tigerflex®

Thermoplastic Industrial Hoses

EDITION 0113

Kuriyama of America, Inc.™

NAHAD THE ASSOCIATION FOR HOSE AND ACCESSORIES DISTRIBUTION

TIGERFLEX™ ISO 9001:2008 QUALITY M.S.

Made In USA

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NOTE: Although every effort has been made to accurately show the color of the Tigerflex™ hoses in this catalog, because of the limitations of four-color process printing some of the colors shown herein may not be exact.

Features & Advantages Catalog Icon Guide

Abrasion Resistant – Indicates hoses designed to help resist internal wear caused by the transfer of abrasive materials.

Abrasion Resistant Plus – Indicates hoses designed to help resist internal wear caused by the transfer of highly abrasive materials.

"Cold-Flex" Materials – Indicates hoses formulated to remain flexible in sub-zero temperatures.

Easy Slide – Indicates hoses with an external rigid helix designed to slide easily over rough surfaces. Easy-to-handle.

Food Grade – Indicates hoses which comply with applicable FDA requirements for food contact. Several of these hoses also meet USDA and 3-A requirements.

Oil Resistant – Indicates hoses which exhibit resistance to animal and petroleum based oils.

Static Dissipative – Indicates hoses formulated with static dissipative compounds or hoses containing a grounding wire to help prevent the build-up of static electricity.

Transparent Construction – Indicates hoses with a transparent or semi-transparent tube. These hoses allow the user visual confirmation of material flow, and the ability to see if material or condensation has collected in the hose tube.

Water – Indicates hoses which can be used for freshwater and saltwater transfer.

Features & Advantages Guide By Hose Series

	ABRASION RESISTANT	ABRASION RESISTANT PLUS	"COLD-FLEX" MATERIALS	EASY SLIDE	FOOD GRADE	OIL RESISTANT	STATIC DISSIPATIVE	TRANSPARENT CONSTRUCTION	WATER
Food Grade:									
2001		X			X	X	X	X	
2020		X	X	X	X	X	X	X	
FT					X			X	X
GTF				X	X			X	X
GTFE				X	X		X	X	X
MILK					X			X	X
MILK-LT			X		X			X	X
UVF	X		X	X	X	X		X	
VOLT/VLT-SD		X	X	X	X	X	X	X	
WBS	X				X		X	X	X
WE	X				X		X	X	X
WSTF				X	X			X	X
WT	X				X			X	X
Material Handling:									
AMPH		X	X			X	X		X
BARK	X			X				X	X
GC/GC-C	X		X			X		X	
MULCH	X							X	X
MULCH-LT	X		X					X	X
PF		X	X	X		X	X	X	
TR1/TR2		X	X				X		X
UBK		X	X	X		X	X		
UF1		X	X			X	X		
UF2		X	X			X	X		
UFC		X	X			X	X	X	
UV-2	X		X	X		X	X	X	
UV-3		X	X	X		X	X	X	
UVPE	X		X			X	X	X	
Ducting:									
CG/CG-SL				X				X	X
GT				X				X	X
GTG				X					X
LK	X		X	X					X
LKC	X		X	X				X	X
UV1	X		X	X		X		X	
Liquid Suction:									
BW			X					X	X
CF	X		X				X		X
F/G/S								X	X
H/J/K								X	X
MH									X
ORV						X			X
OV		X	X			X		X	
SPA									X
TG/TY/TRED/TBLU			X	X					X
TRS		X	X				X		X
TSD			X	X					X
W			X					X	X
WG									X
WH/SH			X					X	X
WOR						X			X
WST								X	X

NOTE: For details regarding the features & advantages listed, refer to the catalog page for each product.

Application Guide

✚ = Primary Applications
✔ = Secondary Applications

	Food Grade												Material Handling												
	2001	2020	FT	GTF/ GT FE	MILK/ MILK-LT	UVF	VLT-SD	VOLT	WBS	WE	WSTF	WT	AMPH	BARK	GC/ GC-C	MULCH/ MULCH-LT	PF	TR1/ TR2	UBK	UF1	UF2	UFC	UV2	UV3	UVPE
Agricultural dry fertilizers													✚						✚	✚		✚	✚		
Agricultural liquid fertilizers																									
Agri-foam systems																									
Air seeder lines													✚						✚	✚		✚	✚		
Bulk truck and railcar unloading	✔	✚					✚	✚		✔		✔					✚	✔		✔	✔				
Cable and hose bundle protection																									
Concrete resurfacing dust collection																							✔		
Drain lines												✔													
Ducting, ventilation & fume removal				✚		✚																			
Dust collection				✔		✚																	✚	✚	
Fish suction											✔														
Fly ash collection								✚					✚					✚	✚	✚	✚				
Food grade blower and ducting systems				✚		✚																			
Food grade liquids - water, beer, wine and juice			✚		✚						✚	✚													
Food grade material handling - heavy duty abrasive	✚	✚					✚	✚	✔	✔		✔													
Food grade material handling - standard duty	✔	✔	✔	✔		✔	✔	✔	✚	✚	✚	✚													
Gold dredging																✔									
Hydro excavation													✚					✚							
Ice transfer			✚	✔	✚						✚	✔													
Industrial vacuum equipment	✔	✔					✚	✚	✔	✔		✔	✚					✚	✚	✚	✚	✚		✔	✔
Insulation blowing																							✔	✔	
Irrigation lines																									
Lawn and leaf collection														✚	✔	✔									
Liquid manure handling																									
Marine bilge discharge																									
Marine plumbing																									
Material chutes	✔	✔		✔		✔	✚	✚	✔	✔		✔	✔				✔	✔	✔	✚	✚	✚	✚	✔	✔
Material handling - heavy duty abrasive	✚	✚					✚	✚	✔	✔		✔	✚		✚		✚	✚	✚	✚	✚	✚	✔	✚	✚
Material handling - standard duty	✔	✔	✔	✔		✔	✔	✔	✚	✚		✚	✔	✚	✚	✚		✚	✔	✔	✔	✔	✚	✔	✚
Material handling - light duty				✚		✔			✔	✔		✔													
Milk and dairy product transfer			✚		✚																				
Milling machine scrap recovery							✚	✚					✚				✚	✚	✚	✚	✚	✚		✚	✔
Mining applications (MSHA)																									
Mulch, bark, wood chips, other surfacing materials														✚	✚	✚									
Oil skimming																									
Oil sluries													✔												
Oil suction		✔					✔	✔					✔				✔		✔	✔	✔	✔	✔	✔	✔
Pharmaceutical product transfer	✚			✚		✚		✚	✚	✚	✔	✚													
Plastic processing equipment	✚	✔	✔	✔		✔	✚	✚	✚	✚		✚					✚		✔	✔		✚		✚	✚
Pneumatic conveying systems	✚		✔				✚	✚	✚	✚		✚													
Poultry processing			✚		✔							✚													
Pumps, rental and construction dewatering																									
Pumps, trash																									
Recreational vehicle (RV) pluming																									
Rock dusting																									
Rock, gravel, sand and crushed concrete vacuuming													✚				✔	✚	✚	✚	✚			✔	✔
Septic and wastewater handling																									
Sewer truck boom hose													✚					✚	✔	✔	✔				
Shot blast recovery													✚					✚	✚	✚	✚	✚		✔	
Slurry handling													✚					✚							
Soil, seed and compost delivery														✚	✚	✚									
Spa, pool and hot tub pluming																									
Suction and discharge		✚					✚				✚														
Wand hose														✔				✚	✔				✚		
Water suction - heavy duty			✚								✚		✔					✔			✔				
Water suction - standard duty			✔		✚				✔		✔	✔													

CAUTION NOTE: This application guide provides information on typical hose applications. Actual results may vary due to variances in the operating conditions involving temperature, chemical resistance, working pressure, etc. Please refer to the specifications printed for each product in this catalog, along with information regarding chemical resistance and our Cautionary Statement, to better insure successful results.

Application Guide

✚ = Primary Applications
✔ = Secondary Applications

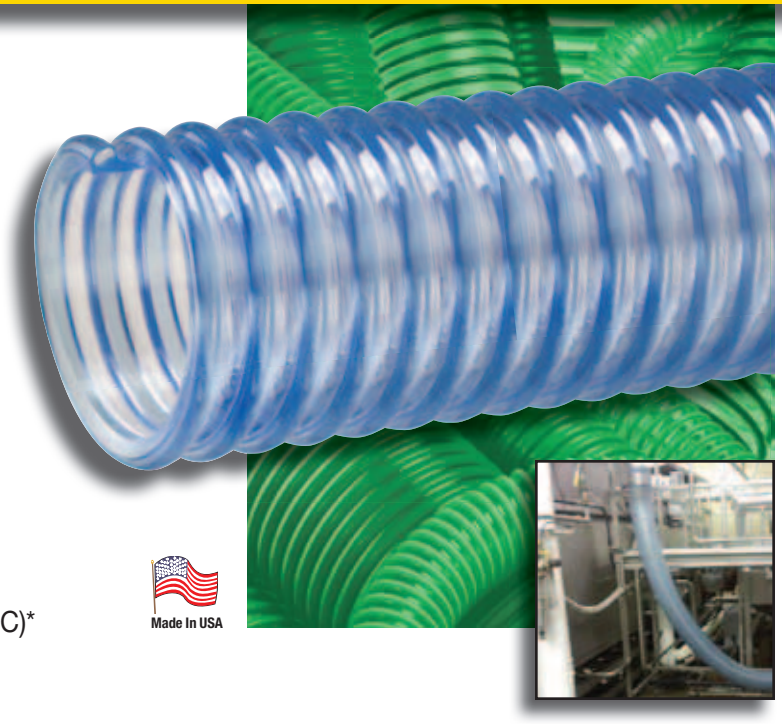
	Ducting				Liquid Suction													
	CG/ CG-SL	GT/ GTG	LK/ LKC	UV1	BW	CF	F/G/S	H/J/K	MH	OV	SPA	TG/TY/ TRED/ TBLU	TRS	TSD	W	WG	WH/ SH	WOR/ ORV	WST
Agricultural dry fertilizers						✔	✔	✔											
Agricultural liquid fertilizers					✔	✔	✔	✚				✚		✚	✔	✔			
Agri-foam systems						✔	✔	✔				✔		✚					
Air seeder lines						✔	✔	✚											
Bulk truck and railcar unloading																			
Cable and hose bundle protection	✚	✔	✔														✔		
Concrete resurfacing dust collection				✚															
Drain lines	✔	✚			✔		✔	✚	✚		✚				✔	✔	✚		
Ducting, ventilation & fume removal	✔	✚	✔	✚															
Dust collection	✔	✚	✚	✚													✚		
Fish suction					✔										✚	✚			✚
Fly ash collection																			
Food grade blower and ducting systems																			
Food grade liquids - water, beer, wine and juice																			
Food grade material handling - heavy duty abrasive																			
Food grade material handling - standard duty																			
Gold dredging					✔										✚	✚	✚		✔
Hydro excavation																			
Ice transfer					✔	✔									✔				
Industrial vacuum equipment																			
Insulation blowing		✔		✚											✔	✔	✔		
Irrigation lines					✔	✚	✚	✚				✚	✚	✔	✔	✔			✚
Lawn and leaf collection		✔	✚	✔													✔		
Liquid manure handling						✔						✚	✔	✚					
Marine bilge discharge					✔	✔		✔	✚			✚	✔	✔			✔		
Marine plumbing									✚										
Material chutes		✔	✔	✚						✚									
Material handling - heavy duty abrasive										✚			✚						
Material handling - standard duty		✔	✔	✚		✚				✔					✔	✔			
Material handling - light duty		✚	✚	✔													✔		
Milk and dairy product transfer																			
Milling machine scrap recovery										✔									
Mining applications (MSHA)	✚							✚											
Mulch, bark, wood chips, other surfacing materials		✔	✔																
Oil skimming										✔								✚	
Oil sluries										✔								✚	
Oil suction										✚								✚	
Pharmaceutical product transfer																			
Plastic processing equipment																			
Pneumatic conveying systems																			
Poultry processing																			
Pumps, rental and construction dewatering					✚	✚	✚	✚				✚	✚	✚	✚	✚			✚
Pumps, trash					✚	✚	✚	✚				✚	✚	✚	✚	✚			✚
Recreational vehicle (RV) pluming									✚								✔		
Rock dusting							✔	✚								✚			
Rock, gravel, sand and crushed concrete vacuuming																			
Septic and wastewater handling					✔	✔						✚	✚	✚					
Sewer truck boom hose																			
Shot blast recovery																			
Slurry handling					✔	✚	✔						✚	✔	✚		✔		
Soil, seed and compost delivery			✔																
Spa, pool and hot tub pluming											✚								
Suction and discharge														✚					✚
Wand hose			✔	✔															
Water suction - heavy duty					✔	✚	✚	✔					✚	✚	✚	✚			✚
Water suction - standard duty					✚	✔	✔	✚	✔	✔	✔	✚	✔	✔	✔	✔	✚	✔	✔

tigerflex®

ABRASION RESISTANT | FOOD GRADE | TRANSPARENT CONSTRUCTION | WATER

WT™ Series

Food Grade PVC Material Handling Hose



Made In USA

General Applications:

- Food grade liquids such as potable water, beer, wine and juice
- Food grade material handling – standard duty
- Material handling – standard duty
- Pharmaceutical product transfer
- Plastic processing equipment
- Pneumatic conveying equipment
- Poultry processing

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Superior Product Design –** Tigerflex™ WT™ series hoses are an industry standard for pneumatic material handling due to our specially engineered compound, innovative design and uncompromising quality control. Provides the ideal combination of light weight, flexibility and durability.
- **Food Grade Materials –** Hose complies with applicable FDA(03) and 3-A(01) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
WT100	1	25.4	1.30	33.0	55	30	28	28	2	100/50	0.21
WT125	1 1/4	31.7	1.60	40.6	50	25	28	28	2	100/50	0.28
WT150	1 1/2	38.1	1.92	48.8	50	25	28	28	3	100/50	0.35
WT200	2	50.8	2.40	61.0	40	20	28	24	4	100/50	0.56
WT225	2 1/4	57.2	2.74	69.6	40	20	28	24	4.5	100/50	0.65
WT250	2 1/2	63.5	2.99	75.9	40	20	28	24	5	100/50	0.77
WT300	3	76.2	3.64	92.5	40	20	28	24	6	100/50	1.10
WT350	3 1/2	88.9	4.21	107.0	35	18	28	24	8	100/50	1.48
WT400	4	101.6	4.72	120.0	35	18	24	22	10	100/50	1.80
WT500	5	127.0	5.74	145.8	30	15	24	22	16	100/50/20	2.34
WT600	6	152.4	6.91	175.5	30	15	24	22	18	100/50/20	3.70
WT800	8	203.2	8.97	227.8	20	10	20	18	36	50/20	5.53
WT45M	1.77	45.0	2.09	53.0	45	25	28	24	4	50	0.44
WT57M	2.24	57.0	2.68	68.0	40	20	28	24	4.5	50	0.64

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

3A(01), BSE/TSE(02), FDA(03), RoHS(10), USDA(11)

AR ABRASION RESISTANT | FOOD GRADE | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION | WATER

tigerflex®

Made In USA

WE™ Series

Food Grade PVC Material Handling Hose With Grounding Wire

General Applications:

- Food grade material handling – standard duty
- Material handling – standard duty
- Pharmaceutical product transfer
- Plastic processing equipment
- Pneumatic conveying equipment

Construction: PVC tube with rigid PVC helix and grounding wire.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Superior Product Design –** Tigerflex™ WE™ series hoses are an industry standard for pneumatic material handling, due to our specially engineered compound, innovative design and uncompromising quality control. Provides the ideal combination of light weight, flexibility and durability.
- **Food Grade Materials –** Hose complies with applicable FDA(03) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **Grounding Wire –** Multi-strand wire helps prevent the build-up of static electricity for added safety and to help keep material flowing smoothly. It's embedded within the rigid helix to prevent contamination of transferred materials.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
WE125	1 1/4	32.0	1.65	42.0	50	25	28	28	2	100/50	0.33
WE150	1 1/2	38.1	1.93	49.0	50	25	28	28	3	100/50	0.43
WE200	2	50.8	2.48	63.0	40	20	28	24	4	100/50	0.58
WE225	2 1/4	57.2	2.80	71.0	40	20	28	24	4.5	100/50	0.65
WE250	2 1/2	63.5	3.07	76.5	40	20	28	24	5	100/50	0.89
WE300	3	76.2	3.64	91.5	40	20	28	24	6	100/50	1.25
WE350	3 1/2	88.9	4.27	108.5	35	18	28	24	8	100/50	1.55
WE400	4	101.6	4.72	120.0	35	18	24	20	10	100/50	1.93
WE500	5	127.0	5.74	146.0	30	15	24	20	16	60/50/20	2.40
WE600	6	152.4	6.81	175.5	30	15	24	20	18	60/50/20	3.70
WE800	8	204.8	9.06	230.0	20	10	20	18	36	20	5.62
WE45M	1.77	45.0	2.20	55.8	45	25	28	24	4	60	0.46
WE57M	2.24	57.0	2.76	70.0	40	20	28	24	4.5	60	0.64

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

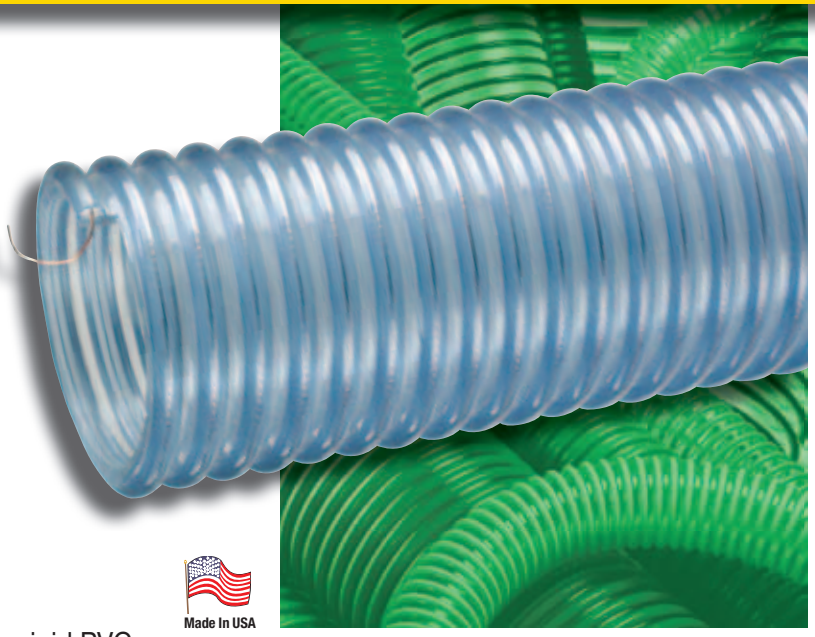
BSE/TSE(02), FDA(03), RoHS(10), USDA(11)

tigerflex®

ABRASION RESISTANT PLUS | FOOD GRADE | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

2001™ Series

Heavy Duty Food Grade Polyurethane Lined Material Handling Hose With Grounding Wire



Made In USA

General Applications:
- Food grade material handling – heavy duty abrasive
- Material handling – heavy duty abrasive
- Pharmaceutical product transfer
- Plastic processing equipment
- Pneumatic conveying equipment

Construction: PVC cover with polyurethane liner, rigid PVC helix and grounding wire.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Extra Thick Abrasion Resistant Polyurethane Liner –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Food Grade Materials –** Hose cover complies with applicable FDA(03) requirements. Hose liner complies with applicable FDA(04) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **Grounding Wire –** Multi-strand wire helps prevent the build-up of static electricity for added safety and to help keep material flowing smoothly. It's embedded within the rigid helix to prevent contamination of transferred materials.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **Oil Resistant Polyurethane Liner –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
2001–150	1½	38.1	1.88	47.8	50	25	Full	28	6	60	0.48
2001–200	2	50.8	2.44	62.0	40	20	Full	28	7	60	0.67
2001–250	2½	63.5	3.12	77.2	40	20	Full	28	8	60	0.92
2001–300	3	76.2	3.70	94.1	40	20	Full	28	9	60	1.35
2001–400	4	101.6	4.80	122.0	35	18	Full	28	15	60/20	2.17
2001–500	5	127.0	5.81	147.6	35	18	28	25	23	60/20	2.77
2001–600	6	152.4	6.93	176.0	30	15	28	25	26	60/20	3.90
2001–700	7	178.8	8.08	205.2	30	15	28	25	30	60/20	5.20
2001–800	8	203.2	9.28	235.8	30	15	28	25	36	20	6.65

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

BSE/TSE(02), FDA(03), FDA(04), RoHS(10), USDA(11)

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | EASY SLIDE | FOOD GRADE | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

tigerflex®

Made In USA

VOLTBUSTER™
Superior Static Protection™

VOLT™ Series

Heavy Duty Food Grade Static Dissipative Polyurethane Material Handling Hose

General Applications:

- Bulk truck and railcar unloading
- Fly ash collection
- Food grade material handling – heavy duty abrasive
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Pharmaceutical product transfer
- Plastic processing equipment
- Pneumatic conveying equipment

Construction: Static dissipative polyurethane tube, rigid helix and grounding wire (patent pending).

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Superior Static Protection! –** A properly grounded Voltbuster™ hose will not retain an electrostatic charge sufficient to create a propagating brush discharge. Hose material, using the embedded grounding wire, shows a charge decay time constant of < 1 second, based on independent lab testing.
- **Food Grade Materials –** Hose tube complies with FDA(05) requirements. Grounding wire embedded in external helix to prevent material contamination.
- **Extra Thick Abrasion Resistant Single-Ply Polyurethane Tube –** Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Transparent Construction –** "See-the-flow". Allows for visual confirmation of material flow.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix –** Rigid helix design protects hose tube from wear; allows hose to slide easily over rough surfaces. Easy to handle.
- **Oil Resistant Polyurethane Tube –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
VOLT150	1-1/2	38.35	1.87	47.5	40	20	Full	28	2	100/60	0.31
VOLT200	2	51.1	2.52	63.9	40	20	Full	28	6	100/60	0.61
VOLT250	2-1/2	63.75	2.96	75.2	40	20	Full	28	7	100	0.76
VOLT300	3	76.2	3.60	91.4	40	20	Full	28	9	100/60	0.91
VOLT400	4	101.6	4.69	121.0	35	17	28	25	12	100/60/20	1.70
VOLT500	5	127.0	5.75	146.8	35	17	28	25	14	60/20	2.13
VOLT600	6	153.4	6.81	173.2	30	15	25	20	16	60/20	2.53
VOLT800	8	203.5	8.76	223.3	30	15	25	20	18	60/20	3.30

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

BSE/TSE(02), FDA(05), RoHS(10)

tigerflex®

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | EASY SLIDE | FOOD GRADE | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

2020™ Series

Heavy Duty Food Grade Polyurethane Fabric Reinforced Material Handling Hose With Grounding Wire

Made In USA

General Applications:

- Bulk truck and railcar unloading
- Food grade material handling – heavy duty abrasive
- Material handling – heavy duty abrasive
- Suction and discharge

Construction: Extra thick double-ply polyurethane tube, polyester fabric reinforcement, rigid PVC helix and grounding wire.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Extra Thick Abrasion Resistant Double-Ply Polyurethane Tube –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Food Grade Materials –** Hose liner complies with applicable FDA(04) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **Fabric Reinforcement –** Designed with high tensile strength, food grade(05), polyester yarn jacket to handle both suction, and higher pressure discharge applications.
- **Grounding Wire –** Multi-strand wire helps prevent the build-up of static electricity for added safety and to help keep material flowing smoothly. It's embedded within the rigid helix to prevent contamination of transferred materials.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **Oil Resistant Polyurethane Tube –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min.Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
2020-300	3	76.2	3.78	96.0	70	35	Full	28	10	100/50/20	1.20
2020-400	4	101.6	4.84	123.0	65	30	Full	28	12	100/50/20	1.60
2020-500	5	127.0	5.79	147.0	45	22	28	25	14	50/25/20	2.45
2020-600	6	152.4	6.93	176.0	40	22	28	25	16	50/25/20	2.86

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

BSE/TSE(02), FDA(04), FDA(05), RoHS(10), USDA(11)

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | EASY SLIDE | FOOD GRADE | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

tigerflex®

Made In USA

VOLTBUSTER™ Superior Static Protection™

VLT-SD™ Series

Heavy Duty Food Grade Static Dissipative Polyurethane Fabric Reinforced Material Handling Hose

General Applications:

- Bulk truck and railcar unloading
- Food grade material handling – heavy duty abrasive
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Plastic processing equipment
- Pneumatic conveying equipment
- Suction and discharge

Construction: Static dissipative polyurethane tube, polyester fabric reinforcement, rigid helix and grounding wire (patent pending).

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Superior Static Protection! –** A properly grounded Voltbuster™ hose will not retain an electrostatic charge sufficient to create a propagating brush discharge. Hose material, using the embedded grounding wire, shows a charge decay time constant of < 1 second, based on independent lab testing.
- **Food Grade Materials –** Hose tube complies with FDA(05) requirements. Grounding wire embedded in external helix to prevent material contamination.
- **Extra Thick Abrasion Resistant Double-Ply Polyurethane Tube –** Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Fabric Reinforcement –** Designed with high tensile strength, food grade FDA(06), polyester yarn jacket to handle both suction, and higher pressure discharge applications.
- **Transparent Construction –** "See-the-flow". Allows for visual conformation of material flow.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix –** Rigid helix design protects hose from wear; allows hose to slide easily over rough surfaces. Easy to handle.
- **Oil Resistant Polyurethane Tube –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
VLT-SD300	3	77.0	3.78	96.0	70	35	Full	28	12	100/20	1.22
VLT-SD400	4	102.2	4.84	123.0	65	30	Full	28	13	100/60/20	1.85
VLT-SD500	5	128.0	5.79	152.0	45	22	28	25	14	60/20	2.43
VLT-SD600	6	153.4	6.93	177.4	40	22	28	25	17	60/20	3.05

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

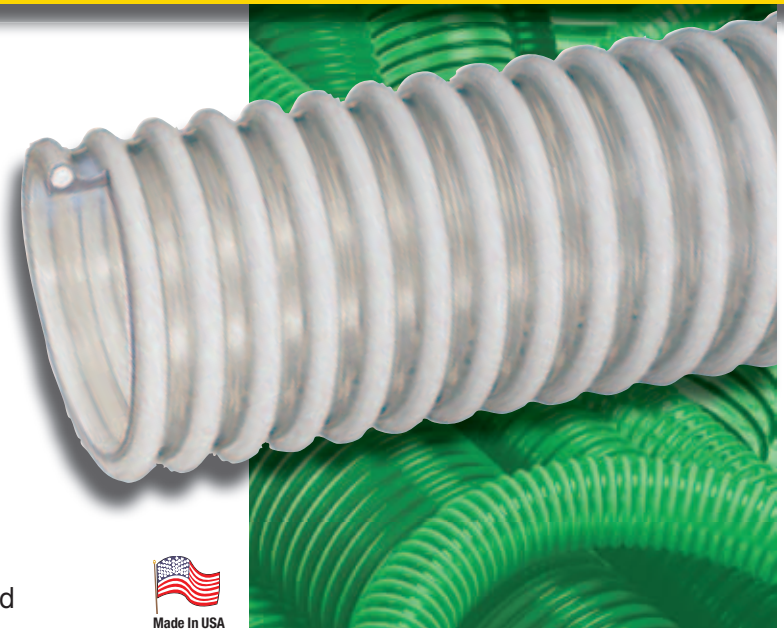
BSE/TSE(02), FDA(05), FDA(06), RoHS(10)

tigerflex®

ABRASION RESISTANT | FOOD GRADE | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION | WATER

WBS™ Series

Food Grade PVC Static Dissipative Material Handling Hose



Made In USA

General Applications:
- Food grade material handling – standard duty
- Material handling – standard duty
- Pharmaceutical product transfer
- Plastic processing equipment
- Pneumatic conveying equipment

Construction: Static dissipative PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Abrasion Resistant PVC Tube –** Formulated from highly durable PVC compounds for increased abrasion resistance.
- **Food Grade Materials –** Hose complies with applicable FDA(03) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **Static Dissipative Tube –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
WBS150	1 1/2	38.1	1.92	48.8	50	25	28	28	3	100	0.35
WBS200	2	50.8	2.40	61.0	40	20	28	24	4	100	0.56
WBS250	2 1/2	63.5	2.99	75.9	40	20	28	24	5	100	0.77
WBS300	3	76.2	3.64	92.5	40	20	28	24	6	100	1.10
WBS400	4	101.6	4.76	121.0	35	20	24	20	10	100/50	1.92

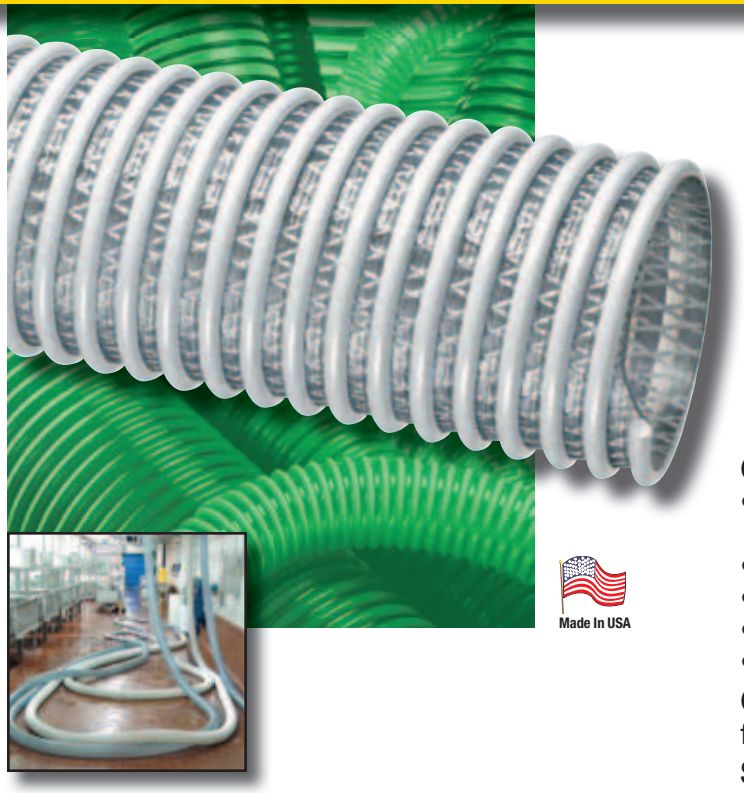
NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: The effectiveness of static dissipation is application-dependent, based upon humidity, material conveyed, and length of hose.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

BSE/TSE(02), FDA(03), RoHS(10), USDA(11)

EASY SLIDE | FOOD GRADE | TRANSPARENT CONSTRUCTION | WATER

tigerflex®



Made In USA

WSTF™ Series

Food Grade PVC Fabric Reinforced Suction & Discharge Hose

General Applications:

- Food grade liquids such as potable water, beer, wine and juice
- Food grade material handling – standard duty
- Ice transfer
- Suction and discharge
- Water suction – heavy duty

Construction: Double-ply PVC tube, polyester fabric reinforcement and rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Food Grade Materials –** Hose complies with applicable FDA(03) and 3-A(01) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **Fabric Reinforcement –** Designed with high tensile strength, food grade, FDA(06) polyester yarn jacket to handle both suction, and higher pressure discharge applications.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (In. Hg) 68°F	Vacuum Rating (In. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
New 1 1/2" & 2" sizes WSTF150	1-1/2	38.1	1.95	49.5	100	65	Full	28	2.5	100	0.42
WSTF200	2	50.8	2.60	66.0	100	65	Full	28	4	100	0.74
WSTF300	3	76.2	3.62	92.0	70	35	Full	28	6	100/20	1.13
WSTF400	4	101.6	4.76	121.0	65	32	Full	28	8	100/20	1.74
WSTF600	6	152.4	7.17	182.1	50	25	28	25	13	100/20	3.88

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

3A(01), BSE/TSE(02), FDA(03), FDA(06), RoHS(10), USDA(11)

tigerflex®

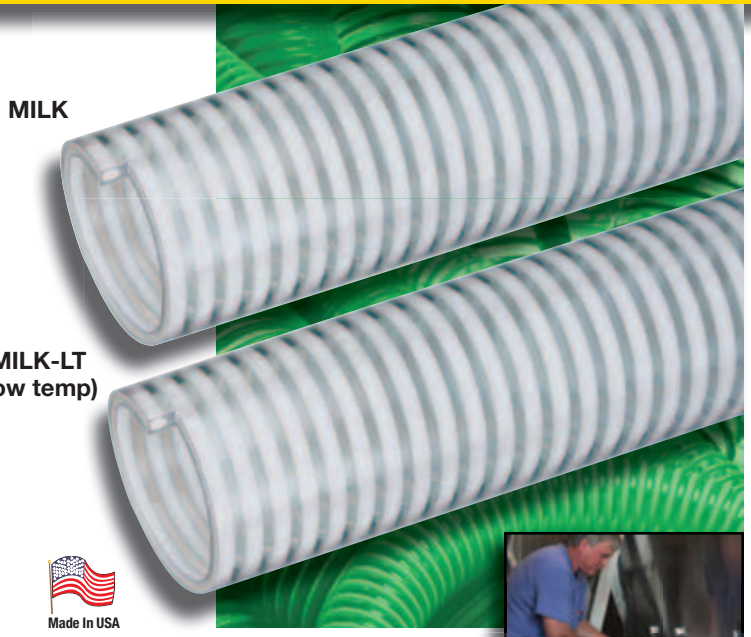
"COLD-FLEX" MATERIALS | FOOD GRADE | TRANSPARENT CONSTRUCTION | WATER

MILK™ Series

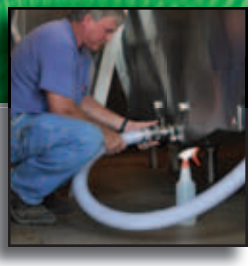
Food Grade
PVC Liquid Suction Hose

MILK-LT™ Series

Low Temperature
Food Grade
PVC Liquid Suction Hose



Made In USA



General Applications:

- Food grade liquids such as potable water, beer, wine and juice
- Ice transfer
- Milk and dairy product transfer
- Water suction – standard duty

Construction: PVC tube with rigid PVC helix.

Service Temperature (MILK): -4°F (-20°C) to 150°F (+65°C)*

Service Temperature (MILK-LT): -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Precision Controlled ID and OD Dimensions –** Facilitates insertion of sanitary fittings.
- **Food Grade Materials –** Hose complies with applicable FDA(03) and 3-A(01) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **"Cold-Flex" Materials (MILK-LT only) –** Hose remains flexible in severe sub-zero temperatures.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Smooth Outer Cover –** Provides increased pressure rating and smooth surface for banding.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
MILK150	1 1/2	38.1	1.79	45.5	75	50	Full	26	4	100	0.45
MILK200	2	50.8	2.33	59.2	75	50	28	25	6	100	0.63
MILK250	2 1/2	63.5	2.87	73.0	55	40	28	24	10	100	0.81
MILK300	3	76.2	3.42	86.9	55	40	28	24	11	100	1.18
MILK-LT150	1 1/2	38.1	1.79	45.5	75	50	Full	26	4	100	0.45
MILK-LT200	2	50.8	2.33	59.2	75	50	28	25	5	100	0.65
MILK-LT250	2 1/2	63.5	2.87	73.0	55	40	28	24	8	100	0.84
MILK-LT300	3	76.2	3.42	86.9	55	40	28	24	11	100	1.20

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

3A(01), BSE/TSE(02), FDA(03), RoHS(10), USDA(11)

FOOD GRADE | TRANSPARENT CONSTRUCTION | WATER

tigerflex®

Made In USA

FT™ Series

Heavy Duty Food Grade PVC Suction Hose

General Applications:

- Food grade liquids such as potable water, beer, wine and juice
- Food grade material handling – standard duty
- Ice transfer
- Milk and dairy product transfer
- Poultry processing
- Water suction – heavy duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Food Grade Materials –** Hose complies with applicable FDA(03) and 3-A(01) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Smooth Outer Cover –** Provides increased pressure rating and smooth surface for banding.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in.@ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
FT075	3/4	19.0	0.94	24.0	115	75	Full	28	3	100	0.17
FT100	1	25.5	1.28	32.5	100	70	Full	28	3	100	0.24
FT125	1 1/4	32.0	1.56	39.6	90	65	Full	28	4	100	0.44
FT150	1 1/2	38.1	1.80	46.5	85	60	Full	28	6	100	0.50
FT200	2	50.8	2.36	60.0	85	60	Full	26	8	100	0.71
FT250	2 1/2	63.5	2.88	73.2	65	45	Full	26	10	100	0.94
FT300	3	76.2	3.42	86.9	55	40	Full	24	11	100	1.14
FT400	4	101.6	4.51	114.6	50	35	Full	24	18	100/60	1.91
FT500	5	127.0	5.51	140.0	40	25	28	23	28	100/20	2.41
FT600	6	153.4	6.59	167.4	30	20	28	15	48	20	3.28
FT800	8	204.7	8.85	224.7	25	15	28	10	60	20	5.67

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

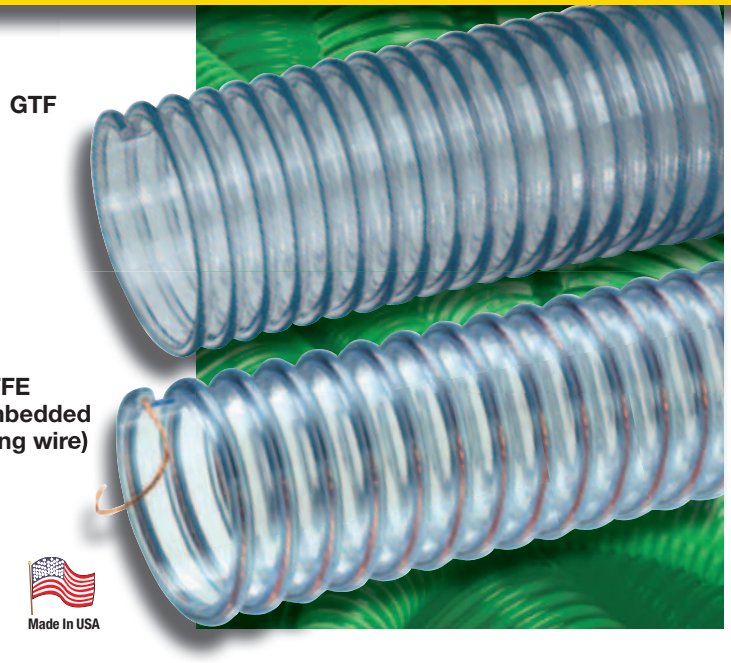
3A(01), BSE/TSE(02), FDA(03), RoHS(10), USDA(11)

tigerflex®

EASY SLIDE | FOOD GRADE | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION | WATER

GTF™ Series
Food Grade PVC Ducting/Material Handling Hose

GTFE™ Series
Food Grade PVC Ducting/Material Handling Hose with Grounding Wire



Made In USA

General Applications:
- Ducting, ventilation and fume removal
- Food grade blower and ducting systems
- Material handling – light duty
- Pharmaceutical product transfer

Construction: PVC tube with rigid PVC helix and grounding wire (GTFE Series).

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:
- **Food Grade Materials –** Hose complies with applicable FDA(03) and 3-A(01) requirements. Hose approved by USDA(11) (GTF only) for use in meat and poultry plants.
- **Grounding Wire (GTFE only) –** Multi-strand wire helps prevent the build-up of static electricity for added safety and to help keep material flowing smoothly. It's embedded within the rigid helix to prevent contamination of transferred materials.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Easy Slide Helix –** Exposed rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
GTF/GTFE150	1 1/2	38.1	1.82	46.2	20	7	22	14	1	100	0.23
GTF/GTFE200	2	50.8	2.39	60.8	15	6	21	12	2	100	0.30
GTF/GTFE250	2 1/2	63.5	2.89	73.4	10	5	19	10	2	100	0.39
GTF/GTFE300	3	76.2	3.46	87.9	10	5	18	10	3	100/50	0.50
GTF/GTFE400	4	101.6	4.50	114.3	8	4	13	7	3	100/50	0.77
GTF/GTFE600	6	152.4	6.54	166.1	6	3	7	5	6	50	1.08
GTF/GTFE800	8	203.2	8.59	218.2	4	2	5	3	8	50	1.74

NOTE: Service life may vary depending on operating conditions and type of material being conveyed. Not for liquid handling use.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

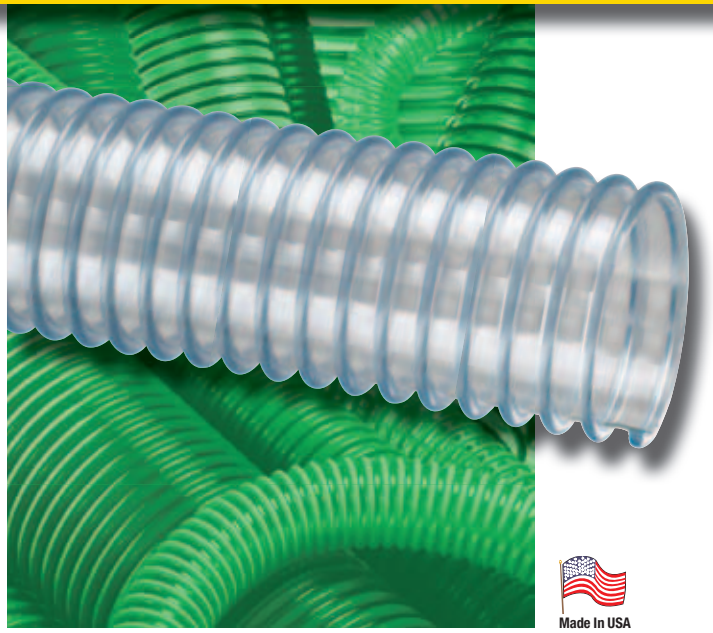
***Actual service temperature range is application dependent.**

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

3A(01), BSE/TSE(02), FDA(03), RoHS(10), USDA(11)

ABRASION RESISTANT | "COLD-FLEX" MATERIALS | EASY SLIDE | FOOD GRADE | OIL RESISTANT | TRANSPARENT CONSTRUCTION

tigerflex®



Made In USA

UVF™ Series

Food Grade Polyurethane Ducting/ Material Handling Hose

General Applications:

- Ducting, ventilation and fume removal
- Dust collection
- Food grade blower and ducting systems
- Food grade material handling – standard duty
- Pharmaceutical product transfer

Construction: Polyurethane tube with rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Durable Lightweight Polyurethane Tube –** Designed for dry applications where abrasion is a factor. Provides longer hose life and lower operating costs versus rubber or PVC hoses.
- **Food Grade Materials –** Hose complies with applicable FDA(04) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **Transparent Construction –** "See-the-flow". Allows for visual confirmation of material flow.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix –** Exposed rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **Oil Resistant Polyurethane Hose –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
UVF150	1 1/2	38.1	1.82	46.2	20	7	22	14	1	50	0.23
UVF200	2	50.8	2.39	60.7	15	6	21	12	1.5	50	0.32
UVF250	2 1/2	63.5	2.89	73.4	10	5	19	10	1.5	50	0.39
UVF300	3	76.2	3.46	87.9	10	5	18	10	2.5	50	0.55
UVF400	4	101.6	4.50	114.3	8	4	13	8	3	50	0.77
UVF500	5	127.0	5.50	139.7	7	3	10	7	4	50	0.89
UVF600	6	152.4	6.54	166.1	6	3	7	5	5	50	1.15
UVF800	8	203.2	8.59	218.1	4	2	5	3	7	50	1.75

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

BSE/TSE(02), FDA(04), RoHS(10), USDA(11)

tigerflex®

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | STATIC DISSIPATIVE | WATER

Tiger - TR1™
TR1™ Series

Heavy Duty SBR Wet or Dry Material Handling Hose

General Applications:
- Fly ash collection
- Hydro excavation
- Industrial vacuum equipment
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Rock, gravel, sand and crushed concrete vacuuming
- Sewer truck boom hose
- Shot blast recovery
- Slurry handling

Construction: SBR rubber tube with rigid PVC helix.
Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Made In USA

Features and Advantages:
- **Superior Rubber Compounds –** Tigerflex™ uses specially engineered compounds which provide the ideal combination of excellent abrasion resistance, light weight, flexibility, static dissipation and superior long-lasting durability.
- **Static Dissipative Tube –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs/ft.)
TR1-150	1 1/2	38.1	TBD	TBD	TBD	TBD	TBD	TBD	TBD	100	TBD
TR1-200	2	50.8	2.38	60.5	32	23	Full	26	1.5	100/50	0.50
TR1-250	2 1/2	63.4	3.05	77.5	30	22	Full	26	2.0	100/50	0.84
TR1-300	3	76.2	3.56	90.5	28	20	Full	26	2.5	100/50	1.00
TR1-400	4	101.6	4.67	118.5	26	18	Full	26	4.5	100/50	1.70
TR1-500	5	126.8	5.73	145.5	21	16	28	24	5.0	100/50	2.38
TR1-600	6	153.4	6.88	174.8	19	13	28	24	9.5	100/50/20	3.20
TR1-800	8	204.8	9.18	233.2	19	13	27	23	14	50/20	5.70

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

***Actual service temperature range is application dependent.**

Available with grounding wire upon request. Minimum order required, contact Kuriyama customer service for details.

RoHS(10)

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | STATIC DISSIPATIVE | WATER

tigerflex®

Made In USA

Tiger - TR2™

TR2™ Series

Medium Duty SBR Wet or Dry Material Handling Hose

General Applications:

- Industrial vacuum equipment
- Material handling – standard duty
- Milling machine scrap recovery
- Rock, gravel, sand and crushed concrete vacuuming
- Shot blast recovery
- Slurry handling
- Wand hose

Construction: SBR rubber tube with rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Superior Rubber Compounds –** Tigerflex™ uses specially engineered compounds which provide the ideal combination of excellent abrasion resistance, light weight, flexibility, static dissipation and superior long-lasting durability.
- **Static Dissipative Tube –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
TR2-400	4	101.6	4.61	117.2	22	14	28	24	4	100/20	1.44
TR2-500	5	127.4	5.68	144.2	18	12	26	20	4.5	100/50/20	2.13

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**
Available with grounding wire upon request. Minimum order required, contact Kuriyama customer service for details.

RoHS(10)

tigerflex®

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | OIL RESISTANT | STATIC DISSIPATIVE | WATER

Amphibian™

AMPH™ Series

Heavy Duty Polyurethane Lined Wet or Dry Material Handling Hose

Made In USA

General Applications:

- Agricultural dry fertilizers
- Air seeder lines
- Fly ash collection
- Hydro excavation
- Industrial vacuum equipment
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Rock, gravel, sand and crushed concrete vacuuming
- Sewer truck boom hose
- Shot blast recovery
- Slurry handling

Construction: PVC cover with polyurethane liner and rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Triple Resistant Liner:

- **Abrasion Resistant!**
- **Water Resistant!**
- **Oil Resistant!**

Features and Advantages:

- **Thick Amphibian™ Abrasion Resistant Polyurethane Liner –** Designed for wet or dry applications where severe abrasion is a factor. Provides longer hose life and lower operating costs versus rubber or PVC hoses.
- **Static Dissipative Cover –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Convoluted Cover Design –** Provides increased hose flexibility.
- **Oil Resistant Polyurethane Liner –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
AMPH400	4	101.6	4.76	120.9	35	18	Full	28	8	100	1.95
AMPH500	5	127.0	5.75	146.0	36	18	28	25	15	100/20	2.42
AMPH600	6	152.4	6.81	173.0	30	15	28	25	18	100/20	3.50
AMPH800	8	203.2	9.18	233.2	30	15	28	25	22	60/21	5.91

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

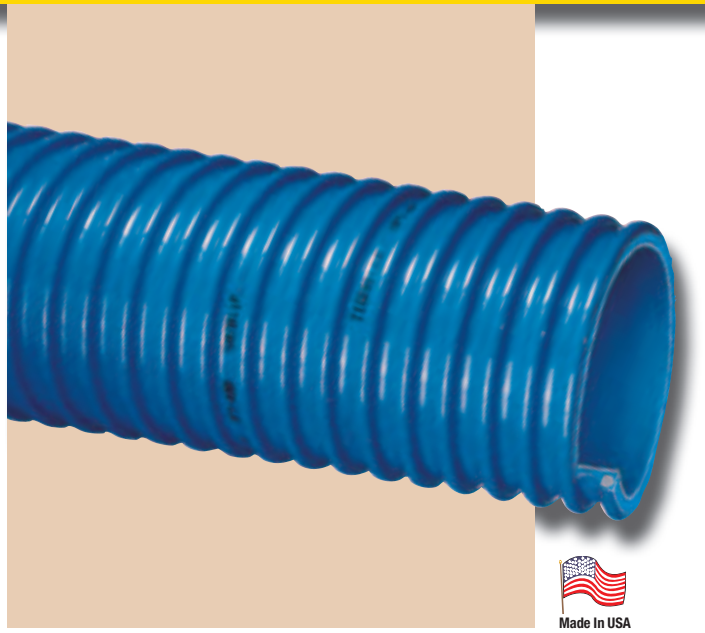
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

RoHS(10)

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | OIL RESISTANT | STATIC DISSIPATIVE

tigerflex®



Made In USA

Ureflex™

UF2™ Series

Extra Heavy Duty Polyurethane Lined Material Handling Hose

General Applications:

- Fly ash collection
- Industrial vacuum equipment
- Material chutes
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Rock, gravel, sand and crushed concrete vacuuming
- Shot blast recovery

Construction: PVC cover with polyurethane liner and rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Extra Thick Abrasion Resistant Polyurethane Liner –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Static Dissipative Cover –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **Oil Resistant Polyurethane Liner –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
UF2-150	1 1/2	38.1	1.88	47.8	50	25	Full	28	3	100	0.46
UF2-200	2	50.8	2.44	62.0	40	20	Full	28	4	100	0.65
UF2-250	2 1/2	63.5	3.12	79.2	40	20	Full	28	5	100	0.89
UF2-300	3	76.2	3.70	94.1	40	20	Full	28	6	100/50	1.23
UF2-400	4	101.6	4.80	122.0	35	18	Full	28	10	100/50	2.02
UF2-500	5	127.0	5.81	147.6	35	18	28	25	15	100/50/20	2.50
UF2-600	6	152.4	6.87	174.5	30	15	28	25	18	100/50/20	3.84
UF2-800	8	203.2	9.18	233.2	30	15	28	25	22	50/20	6.52
UF2-1000	10	254.0	11.61	295.0	25	12	26	20	26	20	10.92

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

RoHS(10)

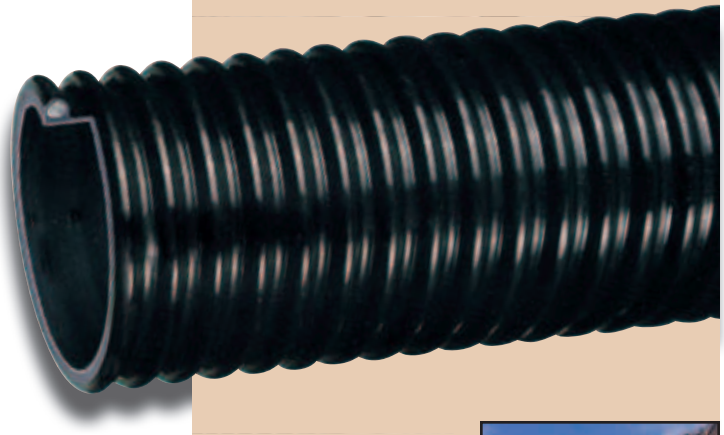
tigerflex®

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | OIL RESISTANT | STATIC DISSIPATIVE

Ureflex™

UF1™ Series

Heavy Duty Polyurethane Lined Material Handling Hose



Made In USA

General Applications:

- Agricultural dry fertilizers
- Air seeder lines
- Fly ash collection
- Industrial vacuum equipment
- Material chutes
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Rock, gravel, sand and crushed concrete vacuuming
- Shot blast recovery

Construction: PVC cover with polyurethane liner and rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Thick Abrasion Resistant Polyurethane Liner –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Static Dissipative Cover –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **Oil Resistant Polyurethane Liner –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
UF1-125	1 1/4	31.8	1.53	39.0	50	25	Full	28	2	100	0.22
UF1-150	1 1/2	38.1	1.85	47.0	50	25	Full	28	2	100/50	0.42
UF1-200	2	50.8	2.40	61.0	40	20	Full	28	3	100/50	0.59
UF1-250	2 1/2	63.5	3.07	78.0	40	20	Full	28	3	100/50	0.80
UF1-300	3	76.2	3.64	92.5	40	20	Full	28	4	100/50	1.18
UF1-350	3 1/2	88.9	4.21	107.0	35	18	Full	28	5	100/50	1.48
UF1-400	4	101.6	4.76	120.9	35	18	Full	28	6	100/50	1.95
UF1-500	5	127.0	5.75	146.0	35	18	28	25	10	100/50/20	2.42
UF1-600	6	152.4	6.81	173.0	30	15	28	25	12	100/50/20	3.50
UF1-800	8	203.2	9.18	233.2	30	15	28	25	18	50/20	5.91
UF1-1000	10	255.0	11.60	294.5	22	10	24	18	26	20	9.90

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

RoHS(10)

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | EASY SLIDE | OIL RESISTANT | STATIC DISSIPATIVE

tigerflex®

Made In USA

UBK™ Series

Heavy Duty Polyurethane Lined Material Handling Hose

General Applications:

- Agricultural dry fertilizers
- Air seeder lines
- Fly ash collection
- Industrial vacuum equipment
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Rock, gravel, sand and crushed concrete vacuuming
- Shot blast recovery

Construction: PVC cover with polyurethane liner and rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Thick Abrasion Resistant Polyurethane Liner –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Static Dissipative Cover –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **Oil Resistant Polyurethane Liner –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
UBK200	2	50.8	2.40	61.0	40	15	Full	28	2	100/50	0.59
UBK250	2 1/2	63.5	3.07	78.0	40	15	Full	28	4	100/50	0.79
UBK300	3	76.2	3.64	92.5	40	15	Full	28	4	100/50	0.83
UBK400	4	101.6	4.76	120.9	35	13	Full	28	6	100/50	1.37
UBK500	5	127.0	5.69	144.5	30	10	28	15	10	100/50/20	2.28
UBK600	6	152.4	6.81	173.0	30	10	28	15	12	100/50/20	3.10
UBK800	8	203.2	9.02	229.0	30	10	28	15	15	50/20	4.51

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

RoHS(10)

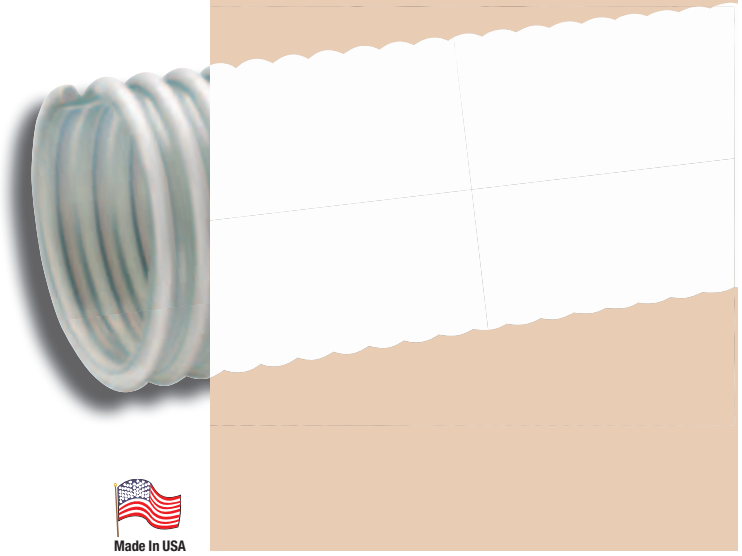
tigerflex®

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

Ureflex™

UFC™ Series

Heavy Duty Polyurethane Lined Material Handling Hose



Made In USA

General Applications:

- Agricultural dry fertilizer
- Air seeder lines
- Industrial vacuum equipment
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Plastic processing equipment
- Shot blast recovery

Construction: PVC cover with polyurethane liner and rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Thick Abrasion Resistant Polyurethane Liner –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Static Dissipative Cover –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **Oil Resistant Polyurethane Liner –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min.Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
UFC150	1 1/2	38.1	1.85	47.0	50	25	Full	28	2	100	0.42
UFC200	2	50.8	2.40	61.0	40	20	Full	28	3	100	0.59
UFC250	2 1/2	63.5	3.07	78.0	40	20	Full	28	3	100	0.80
UFC300	3	76.2	3.64	92.5	40	20	Full	28	4	100	1.18
UFC400	4	101.6	4.76	120.9	35	18	Full	28	6	100	1.95
UFC57M†	2.24	57.0	2.60	66.0	40	20	Full	28	3	100	0.62

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**
†Non-stock item, minimum order required. Contact Kuriyama customer service for details.

RoHS(10)

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | EASY SLIDE | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

tigerflex®

Plas-T-Flo™ PF™ Series

Heavy Duty Polyurethane Material Handling Hose With Grounding Wire

Made In USA

General Applications:

- Bulk truck & railcar unloading
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Plastic processing equipment

Construction: Polyurethane tube with rigid PVC helix and grounding wire.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Extra Thick Single-Ply Abrasion Resistant Polyurethane Tube –** Our thickest single-ply polyurethane tube! Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Grounding Wire –** Multi-strand wire helps prevent the build-up of static electricity for added safety and to help keep material flowing smoothly. It's embedded within the rigid helix to prevent contamination of transferred materials.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **Oil Resistant Polyurethane Tube –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius @ 68°F	Standard Length (ft.)	Weight (lbs./ft.)
PF300	3	76.2	3.39	86.0	35	15	28	25	10	100/20	1.50
PF400	4	101.6	4.84	123.0	30	15	28	25	12	100/50/20	1.96
PF500	5	127.0	5.87	149.0	30	15	25	22	13	100/50/20	2.50
PF600	6	152.4	6.91	175.5	30	15	25	22	16	100/50/20	3.18

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

RoHS(10)

tigerflex®

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | EASY SLIDE | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

Urevac™

UV3™ Series

Heavy Duty Polyurethane Material Handling Hose With Grounding Wire

Made In USA

General Applications:

- Dust collection
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Plastic processing equipment
- Trench suction

Construction: Single-ply polyurethane tube with rigid PVC helix and grounding wire.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Thick Abrasion Resistant Single-Ply Polyurethane Tube –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Grounding Wire –** Multi-strand wire helps prevent the build-up of static electricity for added safety and to help keep material flowing smoothly. It's embedded within the rigid helix to prevent contamination of transferred materials.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **Oil Resistant Polyurethane Tube –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius @ 68°F	Standard Length (ft.)	Weight (lbs./ft.)
UV3-300	3	76.2	3.60	91.4	40	20	Full	28	9	100/50	0.91
UV3-400	4	101.6	4.66	118.4	35	17	28	25	12	100/50	1.50
UV3-500	5	127.0	5.50	145.0	35	17	28	25	14	50/20	1.82
UV3-600	6	152.4	6.65	172.0	30	15	25	20	16	50/20	2.24
UV3-800	8	203.5	8.76	223.0	30	15	25	20	18	50/20	3.00

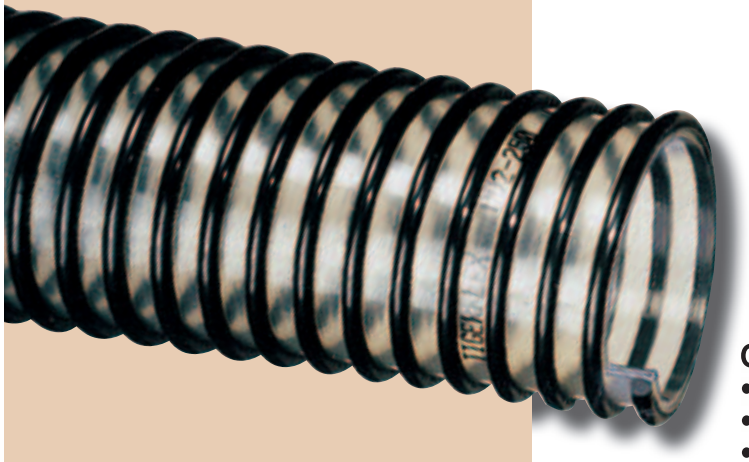
NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

RoHS(10)

ABRASION RESISTANT | "COLD-FLEX" MATERIALS | EASY SLIDE | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

tigerflex®



Made In USA

Urevac™

UV2™ Series

Standard Duty Polyurethane Lined Material Handling Hose

General Applications:

- Agricultural dry fertilizer
- Air seeder lines
- Dust collection
- Material chutes
- Material handling – standard duty
- Wand hose

Construction: PVC cover with polyurethane liner and rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Abrasion Resistant Polyurethane Liner –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Static Dissipative Cover –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **Oil Resistant Polyurethane Liner –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius @ 68°F	Standard Length (ft.)	Weight (lbs./ft.)
UV2-150	1 1/2	38.1	1.87	47.5	25	10	22	16	1.5	60	0.29
UV2-200	2	50.8	2.47	62.7	25	10	21	14	2.5	60	0.40
UV2-250	2 1/2	63.5	2.96	75.2	20	8	19	12	3	60	0.53
UV2-300	3	76.2	3.54	89.8	20	8	18	11	4	60	0.67
UV2-400	4	101.6	4.57	116.1	15	7	13	9	6	60	1.02
UV2-500	5	127.0	5.58	141.7	15	7	10	7	8	60	1.22
UV2-600	6	152.4	6.62	168.1	10	5	7	5	10	60	1.68
UV2-800	8	203.2	8.67	220.2	10	5	5	3	14	20	2.24

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

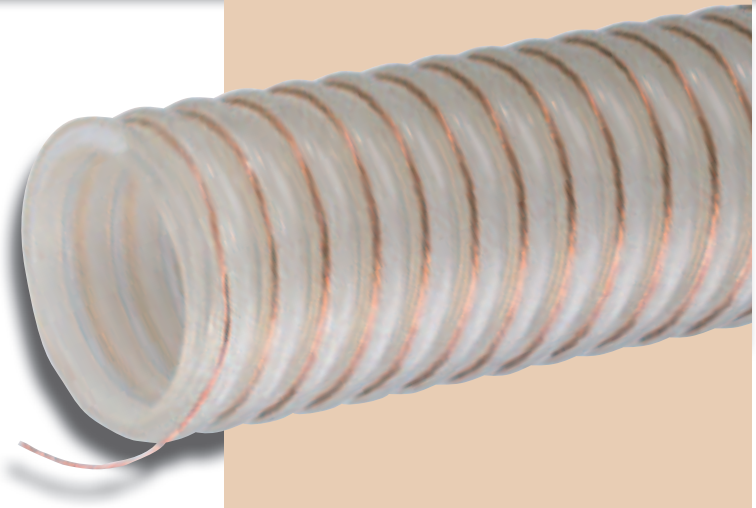
RoHS(10)

tigerflex®

ABRASION RESISTANT | "COLD-FLEX" MATERIALS | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

UVPE™ Series

Heavy Duty Polyurethane Material Handling Hose With Grounding Wire



Made In USA

General Applications:
- Material handling – heavy duty abrasive
- Plastic processing equipment

Construction: Polyurethane tube with rigid polypropylene helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Thick Abrasion Resistant Polyurethane Tube –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Crush Resistant Construction –** Hose rebounds to shape without structural damage when crushed; material keeps flowing.
- **Grounding Wire –** Multi-strand wire helps prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Oil Resistant Polyurethane Tube –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
UVPE150	1 1/2	38.1	1.87	47.5	20	7	22	14	3	100	0.39
UVPE200	2	50.8	2.44	62.0	15	6	21	12	4	100	0.48
UVPE250	2 1/2	63.5	2.99	75.9	10	5	19	10	5	100	0.55
UVPE300	3	76.2	3.64	92.5	10	5	18	10	6	100	0.68

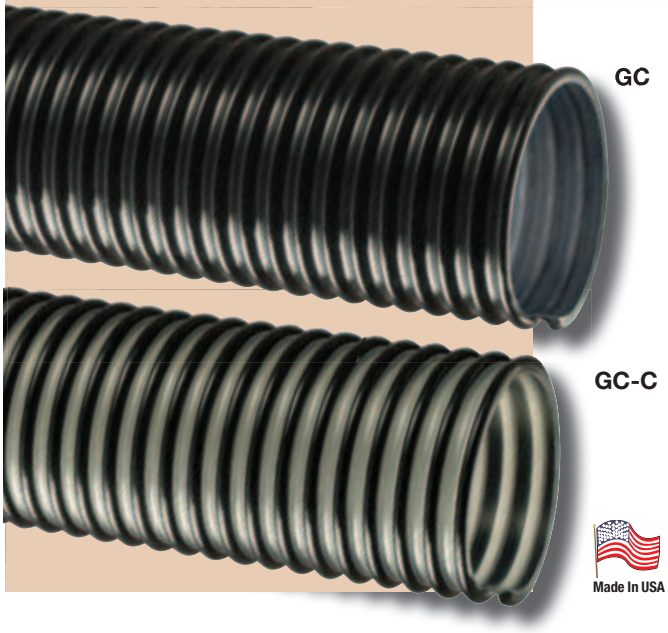
NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

*Actual service temperature range is application dependent.

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

RoHS(10)



"Ground Cover" GC™/GC-C™ Series

Heavy Duty Polyurethane Lined Material Handling Hose

General Applications:
- Material handling – heavy duty abrasive
- Mulch, bark, wood chips and other surfacing material delivery
- Soil, seed and compost delivery

Construction: PVC cover with Polyurethane liner and rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Abrasion Resistant Polyurethane Liner –** Designed for dry applications where severe abrasion is a factor. Provides longer hose life and lower operating costs versus rubber or PVC hoses.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Transparent Construction (GC-C only) –** "See-the-flow." Allows for visual confirmation of material flow.
- **Convoluted Outer Cover –** Provides increased hose flexibility. Allows for easier unwinding and winding on hose reels.
- **Oil Resistant Polyurethane Liner –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
GC/GC-C400	4	101.6	4.59	116.6	30	15	28	25	6	100	1.00
GC/GC-C500	5	127.0	5.57	141.5	30	15	25	20	10	100	1.80

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

RoHS(10)

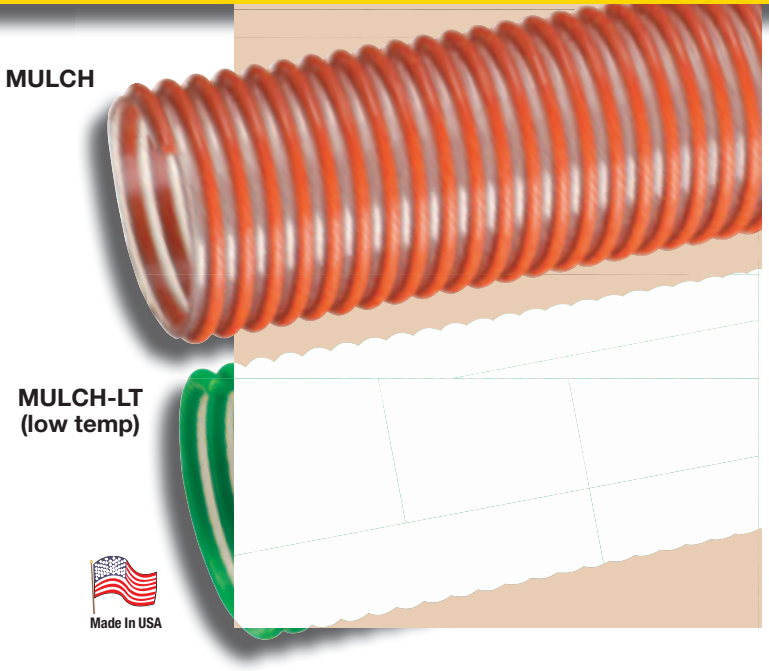
tigerflex®

ABRASION RESISTANT | "COLD-FLEX" MATERIALS | TRANSPARENT CONSTRUCTION | WATER

"Mulch Hose"

MULCH™ Series
Heavy Duty PVC Material Handling Hose

MULCH-LT™ Series
Heavy Duty PVC Low Temperature Material Handling Hose



General Applications:
- Material handling – standard duty
- Mulch, bark, wood chips and other surfacing material delivery
- Soil, seed and compost delivery

Construction: PVC tube and rigid PVC helix.

Service Temperature (MULCH): -4°F (-20°C) to 150°F (+65°C)*

Service Temperature (MULCH-LT): -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:
- **Abrasion Resistant PVC Tube –** Formulated from highly durable PVC compounds for increased abrasion and tear resistance versus standard PVC hoses.
- **"Cold-Flex" Materials (MULCH-LT only) –** Hose remains flexible in sub-zero temperatures.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
MULCH400	4	101.6	4.57	116.0	35	15	Full	28	8	100	1.35
MULCH500	5	127.0	5.61	142.6	30	12	24	22	14	100	1.75
MULCH600	6	153.4	6.79	172.4	25	10	24	22	16	100	2.42
MULCH-LT400	4	101.6	4.57	116.0	35	15	Full	28	8	100	1.35

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

*Actual service temperature range is application dependent.

RoHS(10)

AR ABRASION RESISTANT | EASY SLIDE | TRANSPARENT CONSTRUCTION | WATER

tigerflex®

Made In USA

"Bark Hose"

BARK™ Series

Standard Duty PVC Material Handling Hose

General Applications:

- Lawn and leaf collection
- Material handling – standard duty
- Mulch, bark, wood chips and other surfacing material delivery
- Soil, seed and compost delivery

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Abrasion Resistant PVC Tube –** Formulated from highly durable PVC compounds for increased abrasion and tear resistance versus standard PVC hoses.
- **Convoluted Outer Cover –** Provides increased hose flexibility. Allows for easier unwinding and winding on hose reels.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
BARK400	4	101.6	4.45	113	18	11	15	10	10	100	0.95
BARK500	5	127.0	5.47	139	17	10	14	8	11	100	1.29

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

RoHS(10)

tigerflex®

ABRASION RESISTANT | "COLD-FLEX" MATERIALS | EASY SLIDE | TRANSPARENT CONSTRUCTION | WATER

Lawn King™

LK™ Series
LKC™ Series

PVC Ducting/Material Handling Hose

General Applications:
- Dust collection
- Lawn and leaf collection
- Material handling – light duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -20°F (-29°C) to 150°F (+65°C)*

Features and Advantages:

- "**Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Transparent Construction (LKC series only) –** "See-the-flow." Allows for visual confirmation of material flow.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
LK/LKC400	4	101.6	4.57	114.8	8	4	13	7	3	100/50	0.85
LKC500	5	128.0	5.55	141.0	7	3	10	6	5	100	0.93
LK/LKC600	6	152.4	6.63	168.3	6	3	7	5	6	100/50	1.34
LK/LKC700	7	177.8	7.56	192.0	4	2	6	4	7	50	1.53
LK/LKC800	8	203.2	8.63	219.3	4	2	5	3	8	50	2.00

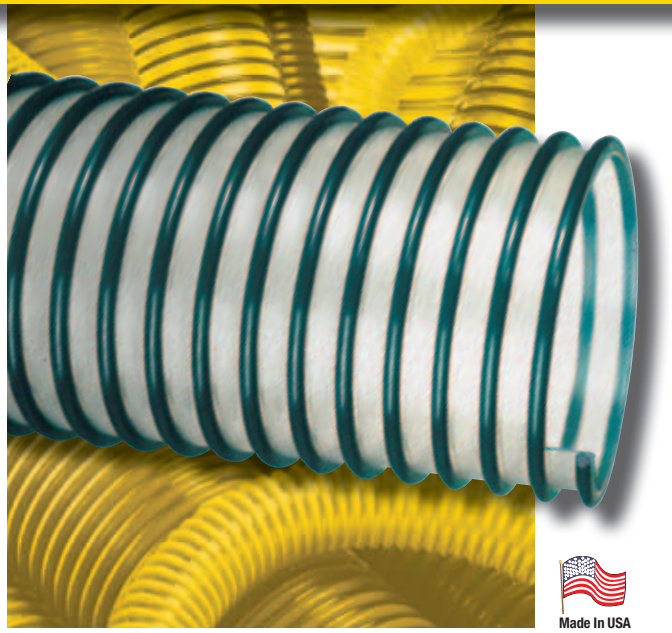
NOTE: Service life may vary depending on operating conditions and type of material being conveyed. Not for liquid handling use.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

RoHS(10)

ABRASION RESISTANT | "COLD-FLEX" MATERIALS | EASY SLIDE | OIL RESISTANT | TRANSPARENT CONSTRUCTION

tigerflex®



Made In USA

Urevac™

UV1™ Series

Polyurethane Ducting/ Material Handling Hose

General Applications:

- Concrete resurfacing dust collection
- Ducting, ventilation and fume removal
- Dust collection
- Insulation blowing
- Material chutes
- Material handling – standard duty

Construction: Polyurethane tube with rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Durable Lightweight Polyurethane Tube –** Designed for dry applications where abrasion is a factor. Provides longer hose life and lower operating costs versus rubber or PVC hoses.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Oil Resistant Polyurethane Tube –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
UV1-150	1 1/2	38.1	1.82	46.2	20	7	22	14	0.75	50	0.23
UV1-200	2	50.8	2.39	60.7	15	6	21	12	1.5	50	0.32
UV1-250	2 1/2	63.5	2.89	73.4	10	5	19	10	1.5	50	0.39
UV1-300	3	76.2	3.46	87.9	10	5	18	10	2.5	50	0.55
UV1-400	4	101.6	4.50	114.3	8	4	13	8	3	50	0.77
UV1-500	5	127.0	5.50	139.7	7	3	10	7	4	50	0.89
UV1-600	6	152.4	6.54	166.1	6	3	7	5	5	50	1.15
UV1-800	8	203.2	8.59	218.2	4	2	5	3	7	50	1.75

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

RoHS(10)

tigerflex®

EASY SLIDE | TRANSPARENT CONSTRUCTION | WATER

GT™ Series
GTG™ Series
PVC Ducting/Material Handling Hose

General Applications:
- Cable protection
- Drain lines
- Ducting, ventilation and fume removal
- Dust collection
- Material handling – light duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:
- **Transparent Construction (GT series only) –** "See-the-flow." Allows for visual confirmation of material flow.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **Anti-Microbial Tube (GTG series only) –** Inhibits growth of bacteria, fungi, mold and yeast.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
GT/GTG150	1 1/2	38.1	1.82	46.2	20	7	22	14	1	100/50	0.23
GT/GTG200	2	50.8	2.39	60.8	15	6	21	12	2	100/50	0.30
GT/GTG250	2 1/2	63.5	2.89	73.4	10	5	19	10	2	100/50	0.39
GT/GTG300	3	76.2	3.46	87.9	10	5	18	10	3	100/50	0.50
GT350	3 1/2	88.9	4.02	102.0	9	4	15	8	3	100/50	0.68
GT/GTG400	4	101.6	4.50	114.3	8	4	13	7	3	100/50	0.77
GT500	5	127.0	5.50	139.7	7	3	10	6	5	100/50	0.91
GT600	6	152.4	6.54	166.1	6	3	7	5	6	100/50	1.08
GT800	8	203.2	8.59	218.2	4	2	5	3	8	50	1.74
GT1000	10	254.0	11.68	296.6	2	—	2	—	10	50	2.70

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

RoHS(10)

EASY SLIDE | TRANSPARENT CONSTRUCTION | WATER

tigerflex®

CG-SL
(pre-slit)

Made In USA

"Cover Guard"

CG™/CG-SL™ Series

PVC Ducting and Cover Protection Hose

General Applications:

- Cable and hose bundle protection (MSHA)
- Dust collection
- Ducting, ventilation and fume removal
- Mine supply line cover protection

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **MSHA(09) Approved –** Meets U.S. Dept. of Labor Administration requirements for flame-resistance for use in mines for protection of hose bundles.
- **Transparent Construction –** "See-the-flow." Allows for visual confiurmation of material flow.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **CG-SL Series –** pre-slit for easy insertion of hose bundles.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
CG-SL100	1	25.4	1.28	31.9	n/a	n/a	n/a	n/a	.5	100	0.14
CG-SL125	1 1/4	31.8	1.51	38.4	n/a	n/a	n/a	n/a	.75	100	0.18
CG-SL150	1 1/2	38.1	1.76	45.1	n/a	n/a	n/a	n/a	1	100	0.21
CG/CG-SL200	2	50.8	2.30	58.4	12	6	10	5	2	100	0.28
CG238	2 3/8	60.3	2.76	70.1	12	6	10	5	2	100	0.38
CG/CG-SL250	2 1/2	63.5	2.81	71.3	10	5	8	4	2	100	0.39
CG/CG-SL300	3	76.2	3.35	85.0	8	4	7	3	3	100	0.45
CG/CG-SL350	3 1/2	88.9	3.83	97.4	8	4	7	3	3	100	0.51
CG/CG-SL400	4	102.4	4.39	111.4	6	3	6	3	3	100	0.64

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

MSHA(09), RoHS(10)

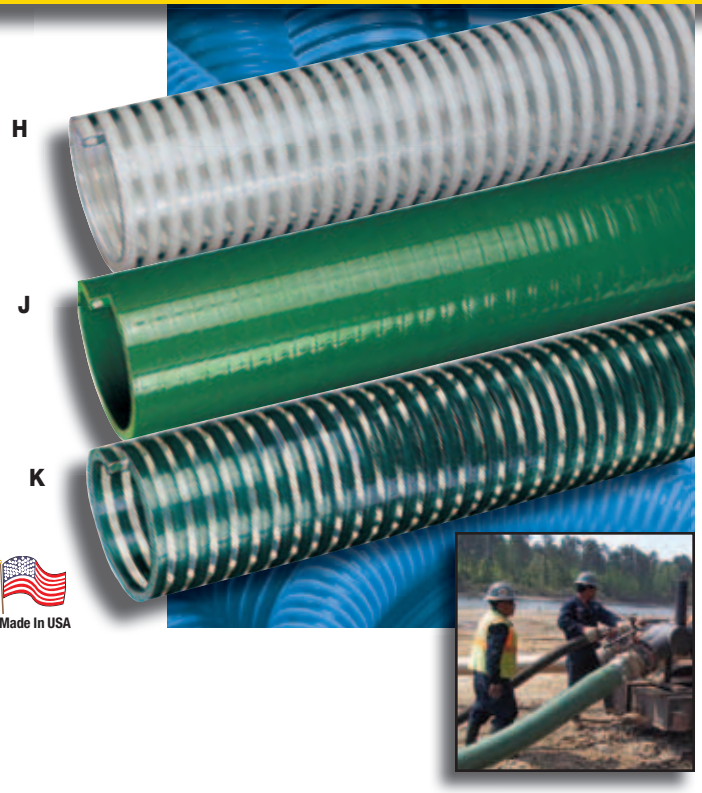
tigerflex®

TRANSPARENT CONSTRUCTION

WATER

H™/J™/K™ Series

Standard Duty PVC Suction Hose



General Applications:

- Agricultural liquid fertilizer
- Air seeder lines
- Drain lines
- Irrigation lines
- Mining applications (MSHA)
- Pumps, rental and construction dewatering
- Pumps, trash
- Rock dusting
- Water suction – standard duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Transparent Construction (H & K Series only) –** "See-the-flow." Allows for visual confirmation of material flow.
- **MSHA(09) Approved (J Series only) –** Approved by the Mine Safety and Health Administration for flame-resistance for use in underground mines as water transfer hose.
- **Smooth Outer Cover (Sizes 3/4" – 5") –** Provides increased pressure rating and smooth surface for banding.
- **Convoluted Outer Cover (Sizes 6" & 8") –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
H/J/K075	3/4	19.0	1.01	25.6	110	70	28	26	3	100	0.19
H/J/K100	1	25.4	1.26	32.0	85	60	28	26	3	100	0.26
H/J/K125	1 1/4	31.7	1.56	39.6	85	60	28	24	4	100	0.35
H/J/K150	1 1/2	38.1	1.83	46.5	70	50	28	24	5	100	0.48
H/J/K200	2	50.8	2.32	59.0	65	45	28	24	7	100	0.66
H/J/K250	2 1/2	63.5	2.87	73.0	65	45	28	24	8	100	0.87
H/J/K300	3	76.2	3.43	87.0	60	40	28	22	10	100	1.24
H/J/K400	4	101.6	4.50	114.7	50	35	28	22	15	100	1.85
H500	5	127.0	5.58	141.3	45	30	28	24	22	100/20	2.42
H/J/K600	6	152.4	6.75	171.4	40	25	28	20	30	100/20	3.39
H/J/K800	8	203.2	8.86	225.0	30	20	26	20	35	20	5.63

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

MSHA(09), RoHS(10)

TRANSPARENT CONSTRUCTION

WATER

tigerflex®

Made In USA

New "Safety Orange" Color

Tiger Suction™ F™/G™/S™ Series

Heavy Duty PVC Suction Hose

General Applications:
- Irrigation lines
- Pumps, rental and construction dewatering
- Pumps, trash
- Water suction – heavy duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Transparent Construction (F Series only) –** "See-the-flow." Allows for visual confirmation of material flow.
- **"Safety Orange" Color (G Series Only) –** For high visibility on job site. Reduces risk of running or tripping over hose.
- **Smooth Outer Cover (Sizes 3/4" – 5") –** Provides increased pressure rating and smooth surface for banding.
- **Convoluted Outer Cover (Sizes 6" & 8") –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
F/G/S075	3/4	19.0	1.01	25.6	115	75	Full	28	3	100	0.21
F/G/S100	1	25.4	1.26	32.0	100	65	Full	28	3	100	0.27
F/G/S125	1 1/4	31.7	1.56	39.6	100	65	Full	26	4	100	0.36
F/G/S150	1 1/2	38.1	1.83	46.5	100	65	Full	26	5	100	0.48
F/G/S200	2	50.8	2.38	60.4	100	65	Full	26	7	100	0.71
F/G250	2 1/2	63.5	2.89	73.4	70	48	Full	26	8	100	0.96
F/G/S300	3	76.2	3.44	87.4	70	45	Full	26	10	100	1.25
F/G/S400	4	101.6	4.57	116.1	60	40	Full	26	15	100	1.95
F500	5	127.0	5.59	141.9	45	30	28	24	22	100/20	2.45
F/G600	6	152.4	6.77	172.0	40	25	28	22	25	100/20	3.76
F/G800	8	203.2	8.90	226.1	30	20	28	18	30	20	6.00

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

RoHS(10)

tigerflex®

"COLD-FLEX" MATERIALS | TRANSPARENT CONSTRUCTION | WATER

"Blue Water" BW™ Series

Low Temperature PVC Suction Hose

Made In USA

General Applications:
- Extreme cold conditions
- Pumps, rental and construction dewatering
- Pumps, trash
- Water suction – standard duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures. Beware of imitations! Blue Water™ truly remains flexible in extreme cold.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Smooth Outer Cover (Sizes 1" - 4") –** Provides increased pressure rating and smooth surface for banding.
- **Convoluted Outer Cover (Sizes 5" & 6") –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
BW075	3/4	19.1	1.01	25.6	115	75	Full	28	3	100	0.19
BW100	1	25.4	1.26	32.0	90	65	Full	28	3	100	0.22
BW125	1 1/4	31.8	1.56	39.6	90	65	Full	26	4	100	0.36
BW150	1 1/2	38.1	1.79	45.5	90	65	Full	26	5	100	0.48
BW200	2	50.8	2.35	59.8	90	65	Full	26	7	100	0.62
BW250	2 1/2	63.5	2.87	73.0	70	48	Full	26	8	100	0.87
BW300	3	76.2	3.43	87.0	65	45	Full	26	10	100	1.23
BW400	4	101.6	4.49	114.0	55	40	Full	26	15	100	1.83
BW500	5	127.0	5.57	141.5	45	30	28	24	25	100/20	2.42
BW600	6	152.4	6.69	170.0	40	25	28	22	30	100/20	3.36

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
NOTE: Refer to Storage and Handling, and Max Coil Stack Height on page 65.
***Actual service temperature range is application dependent.**
RoHS(10)

AR ABRASION RESISTANT | "COLD-FLEX" MATERIALS | STATIC DISSIPATIVE | WATER

tigerflex®

Our Highest Vacuum Rating!

Made In USA

Cold Flex™ CF™ Series

Extra Heavy Duty Low Temperature PVC Suction Hose

General Applications:
- Extreme cold conditions
- Irrigation lines
- Material handling – standard duty
- Pumps, rental and construction dewatering
- Pumps, trash
- Slurry handling
- Water suction – heavy duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Superior Vacuum Rating –** Our toughest and most durable liquid suction hose! Extremely thick hose tube and extra large helix provide for a tough, durable hose with all sizes rated to full vacuum (at 68°F).
- **Cold Flex™ Materials –** Hose remains flexible in severe sub-zero temperatures.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **Static Dissipative Tube –** Specially formulated to help prevent the build-up of static electricity for added safety and help keep material flowing smoothly.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
CF150	1 1/2	38.1	1.84	46.7	100	65	Full	28	3	100	0.40
CF200	2	50.8	2.41	61.2	100	65	Full	28	4	100	0.75
CF250	2 1/2	63.5	2.93	74.5	90	55	Full	28	6	100	0.99
CF300	3	76.2	3.59	91.2	80	50	Full	28	7	100	1.34
CF400	4	101.6	4.67	118.6	65	35	Full	28	11	100	2.15
CF600	6	152.4	6.87	174.4	50	25	Full	28	18	100/50/20	3.76
CF800†	8	204.75	9.13	232.0	35	15	Full	26	24	60/20	6.59

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 60.

***Actual service temperature range is application dependent.**

†Non-stock item, minimum order required. Contact Kuriyama customer service for details.

RoHS(10)

tigerflex®

"COLD-FLEX" MATERIALS | TRANSPARENT CONSTRUCTION | WATER

W™ Series

Heavy Duty PVC Liquid Suction Hose

Made In USA

The Original Heavy Duty Suction Hose

General Applications:

- Extreme cold conditions (Sizes 4" - 16")
- Fish suction
- Gold dredging
- Pumps, rental and construction dewatering
- Pumps, trash
- Slurry handling
- Water suction – heavy duty

Construction: PVC tube with rigid PVC helix.

Service Temperature:
Sizes 1" - 3": -4°F (-20°C) to 150°F (+65°C)*;
Sizes 4" - 16": -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **"Cold-Flex" Materials (Sizes 4" - 16")** – Hose remains flexible in sub-zero temperatures.
- **Transparent Construction** – "See-the-flow." Allows for visual confirmation of material flow.
- **Convoluted Outer Cover** – Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
W100	1	25.4	1.30	33.0	55	35	Full	28	1	100	0.21
W125	1 1/4	31.7	1.60	40.6	50	30	Full	28	2	100	0.28
W150	1 1/2	38.1	1.85	47.0	50	30	Full	28	2	100	0.34
W200	2	50.8	2.40	61.0	50	30	Full	28	3	100	0.52
W250	2 1/2	63.5	2.99	75.9	45	25	Full	28	4	100	0.77
W300	3	76.2	3.64	92.5	45	25	Full	28	6	100	1.18
W400	4	101.6	4.76	121.0	35	18	Full	28	8	100	1.92
W500	5	127.0	5.75	146.0	35	18	28	25	12	100/20	2.42
W600	6	152.4	7.00	177.8	30	15	28	25	14	100/20	3.76
W800	8	203.2	9.18	233.2	30	15	28	25	24	40/20	5.99
W1000	10	254.0	11.56	293.5	25	12	28	25	39	40/20	9.74
W1200	12	304.8	13.64	346.5	20	10	28	25	59	40/20	12.77
W1400†	14	357.6	15.59	396.0	18	8	26	23	80	20	13.50
W1600†	16	408.4	17.72	450.0	12	5	24	20	95	20	16.00

NOTE: For details of the following compliances, refer to footnotes listed on page 62.
NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
***Actual service temperature range is application dependent.**
†Non-stock item, minimum order required. Contact Kuriyama customer service for details.
RoHS(10)

"COLD-FLEX" MATERIALS | TRANSPARENT CONSTRUCTION | WATER

tigerflex®

Our Most Flexible Suction Hose

Made In USA

WH™ Series
Standard Duty PVC Liquid Suction Hose

SH™ Series
Standard Duty Low Temperature PVC Liquid Suction Hose

General Applications:
- Drain lines
- Dust collection
- Gold dredging
- Water suction – standard duty

Construction: PVC tube with rigid PVC helix.

Service Temperature (WH Series): -4°F (-20°C) to 150°F (+65°C)*

Service Temperature (SH Series): -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **"Cold-Flex" Materials (SH Series; Sizes 2½" - 8") –** Hose remains flexible in sub-zero temperatures.
- **Transparent Construction –** "See-the-flow." Allows for visual conformation of material flow.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
WH100	1	25.4	1.22	31.0	45	15	Full	24	1	100	0.15
WH125	1 1/4	31.8	1.54	39.2	40	12	Full	24	1	100	0.20
WH150	1 1/2	38.1	1.80	45.7	40	12	Full	24	1.5	100	0.25
WH200	2	50.8	2.32	58.7	35	10	26	20	2.5	100	0.31
SH250	2 1/2	63.5	9.97	75.5	30	9	24	18	3	100	0.43
SH300	3	76.2	3.48	88.4	25	7	24	18	4	100	0.64
SH400	4	101.6	5.52	114.8	25	7	18	14	6	100	1.06
SH500	5	127.0	5.57	141.5	20	6	16	12	10	100	1.47
SH600	6	153.4	6.69	169.9	20	6	14	10	12	100	2.27
SH800	8	204.8	8.86	225.0	10	3	12	8	24	60	3.34

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

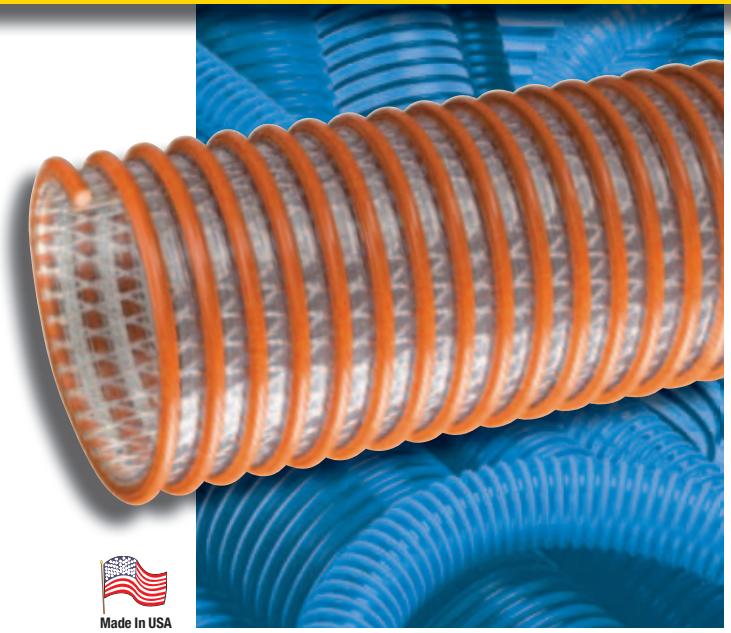
RoHS(10)

tigerflex®

EASY SLIDE | TRANSPARENT CONSTRUCTION | WATER

WST™ Series

Heavy Duty PVC Fabric Reinforced Suction & Discharge Hose



Made In USA

General Applications:
- Fish suction
- Irrigation lines
- Pumps, rental and construction dewatering
- Pumps, trash
- Suction and discharge
- Water suction – heavy duty

Construction: Double-ply PVC tube, polyester fabric reinforcement and rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Fabric Reinforcement –** Designed with high tensile strength polyester yarn jacket to handle both suction and higher pressure discharge applications.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.

Nominal Specifications

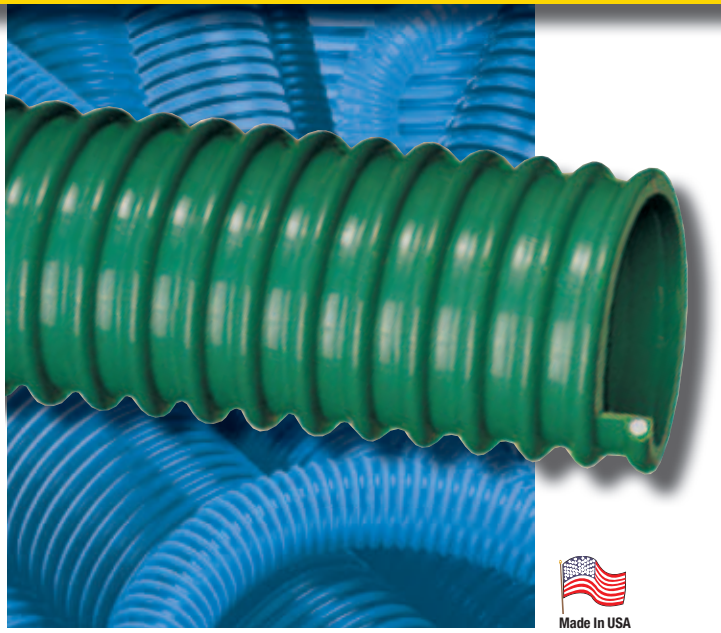
Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
New 1 1/2" & 2" sizes — WST150	1-1/2	38.1	1.95	49.5	100	65	Full	28	2.5	100	0.42
WST200	2	50.8	2.60	66.0	100	65	Full	28	4	100	0.74
WST300	3	76.2	3.62	92.0	70	35	Full	28	6	100/20	1.13
WST400	4	101.6	4.76	121.0	65	32	Full	28	8	100/20	1.74
WST500	5	127.0	5.98	151.9	50	25	28	25	11	100/20	2.95
WST600	6	152.4	7.17	182.1	50	25	28	25	13	100/20	3.88
New 25' Length — WST800	8	203.5	9.21	234.0	40	25	26	20	18	25/20	5.57

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

RoHS(10)

WATER

tigerflex®



Made In USA

WG™ Series

Heavy Duty PVC Liquid Suction Hose

General Applications:
- Fish suction
- Irrigation lines
- Pumps, rental and construction dewatering
- Pumps, trash
- Rock dusting
- Water suction – heavy duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Highly Durable PVC Tube –** Formulated from highly durable PVC compound for increased abrasion and tear resistance.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
WG150	1½	38.1	1.85	47.0	50	25	Full	28	2	100	0.34
WG200	2	50.8	2.40	61.0	50	25	Full	28	3	100	0.52
WG300	3	76.2	3.64	92.5	45	25	Full	28	6	100	1.18
WG400	4	101.6	4.76	120.9	35	18	Full	28	8	100	1.93

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

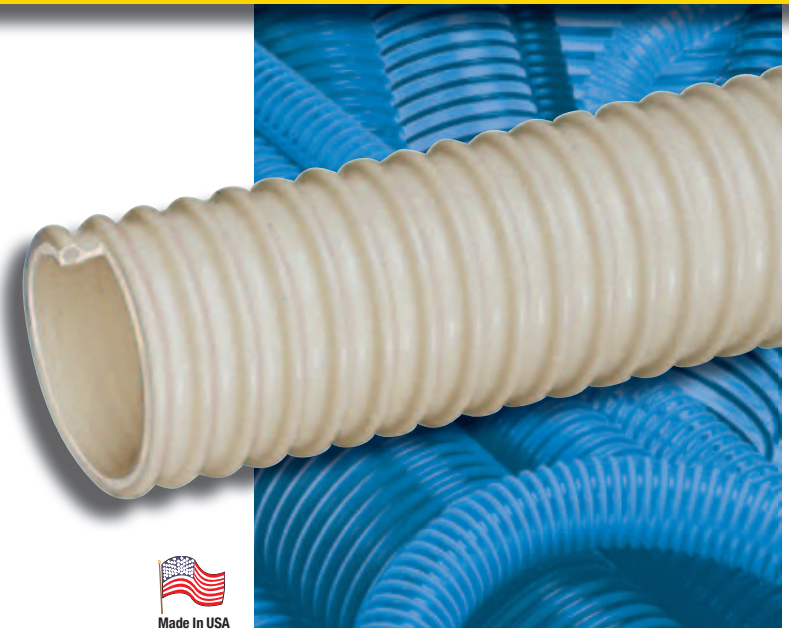
***Actual service temperature range is application dependent.**

RoHS(10)

tigerflex®

WATER

“Marine Hose”
MH™ Series
PVC Suction Hose



Made In USA

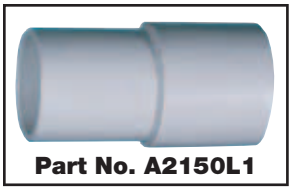
General Applications:
- Drain lines
- Marine bilge discharge
- Marine plumbing
- Recreational vehicle (RV) plumbing

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Odor-resistant Tube –** Special additives help eliminate the build-up of unwanted odors.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **Easy Installation –** Ideal for working in confined areas. Permits installers to make smooth, tight turns. Requires fewer fittings than rigid pipe.



Part No. A2150L1

Custom Molded Cuff — 1½" Molded cuff (shown above) is designed for use with Tigerflex® Series MH150 marine hose.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Approx. Wt. (lbs./ft.)
MH100	1	25.4	1.22	31.0	45	15	Full	24	1	100	0.15
MH125	1¼	32.0	1.49	38.0	40	12	Full	24	1.5	100	0.20
MH150	1½	38.1	1.77	45.0	40	12	Full	24	2	100	0.25
MH200	2	50.8	2.32	59.0	35	10	26	20	2.5	100	0.31

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 60.

***Actual service temperature range is application dependent.**

RoHS(10)

WATER

tigerflex®

Made In USA

"Spa Hose" FMCR™ Series

PVC Suction Hose

General Applications:
- Commonly referred to as "flex pipe"
- Drain lines
- Spa, pool and hot tub plumbing

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Precision Controlled OD –** Designed to be glued into Schedule 40 PVC fittings.
- **IAPMO(07) Approved –** Approved for use piping spas, hot tubs and swimming pools.
- **Easy Installation –** Ideal for working in confined areas. Permits installers to make smooth, tight turns. Requires fewer fittings than rigid pipe when plumbing a normal spa or hot tub application.

Nominal Specifications

Series	IPS Size (in.)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
F16MCR	1/2	0.850	21.50	100	70	28	26	2	100/50	0.14
F20MCR	3/4	1.053	26.75	100	70	28	26	2	100/50	0.21
F27MCR	1	1.320	33.52	100	70	28	24	3	100/50	0.28
F36MCR	1 1/4	1.663	42.25	80	55	28	24	4	100/50	0.37
F42MCR	1 1/2	1.904	48.35	70	50	28	24	4	100/50	0.44
F52MCR	2	2.381	60.48	70	50	28	24	6	100/50	0.58
F78MCR^	3	3.500	89.00	65	40	28	22	8	50	1.20

NOTE: For details of the following compliances, refer to footnotes listed on page 62.
NOTE: Use with recommended primers and PVC cements; consult with glue supplier for recommendations. Coils of Tigerflex® Spa Hose should not be stacked more than five coils high. Hose which has been stacked high may be damaged over time.

NOTE: Black color available upon request. Minimum order quantity may apply. Contact Kuriyama customer service for details.

***Actual service temperature range is application dependent.**

^This item is not IAMPO listed

Product Warning

Like other materials, Spa Hoses can be damaged by rodents or insects, including termites. Our warranty does not cover damages caused by them. Spa Hose should not be used underground in areas infested by termites. This product warning shall be given to every purchaser of Spa Hose. (Rev. 7/98)

IAPMO(07), RoHS(10)

"COLD-FLEX" MATERIALS | EASY SLIDE | WATER

Tiger™ Green TG™ Series

EPDM Suction Hose

Made In USA

General Applications:

- Agriculture liquid fertilizers
- Irrigation lines
- Liquid manure handling
- Marine bilge discharge
- Pumps, rental and construction dewatering
- Pumps, trash
- Septic and wastewater handling
- Used frack solution removal
- Water suction – standard duty

Construction: EPDM tube with polyethylene helix.

Service Temperature: -40°F (-40°C) to 160°F (+71°C)*

Features and Advantages:

- **Superior Rubber Compounds –** Tigerflex™ uses only the best available EPDM compounds, which provide the ideal combination of light-weight, flexibility, durability and chemical resistance.
- **Superior Flexibility –** Our tests show up to 22% more flexible than the competition, especially in sub-zero weather! Tiger™ Green comes off the trucks more flexible and easier to handle than other similar hoses.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces and around corners. Easy-to-handle.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
TG100	1	25.4	1.40	35.5	65	45	FULL	28	2	100	0.28
TG125	1 1/4	31.8	1.63	41.4	60	40	FULL	28	3	100	0.33
TG150	1 1/2	38.1	1.93	49.0	50	35	FULL	28	3	100	0.44
TG200	2	50.8	2.51	63.8	50	35	FULL	28	5	100	0.67
TG250	2 1/2	63.5	3.07	78.0	45	30	FULL	28	5.5	100	0.95
TG300	3	76.2	3.60	91.5	45	30	FULL	26	7	100	1.14
TG400	4	101.6	4.70	119.5	40	25	FULL	26	11.5	100	1.84
TG600	6	152.4	6.85	174.0	30	20	28	24	20	100/20	3.07

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
NOTE: Other colors available upon request. Minimum order quantity may apply. Contact Kuriyama Tigerflex department for details.

***Actual service temperature range is application dependent.**

RoHS(10)

"COLD-FLEX" MATERIALS | EASY SLIDE | WATER

tigerflex®

Made In USA

Tiger™ Yellow TY™ Series

EPDM Suction Hose

General Applications:

- Agriculture liquid fertilizers
- Irrigation lines
- Liquid manure handling
- Marine bilge discharge
- Pumps, rental and construction dewatering
- Pumps, trash
- Septic and wastewater handling
- Used frack solution removal
- Water suction – standard duty

Construction: EPDM tube with polyethylene helix.

Service Temperature: -40°F (-40°C) to 160°F (+71°C)*

Features and Advantages:

- **Superior Rubber Compounds –** Tigerflex™ uses only the best available EPDM compounds, which provide the ideal combination of light-weight, flexibility, durability and chemical resistance.
- **Superior Flexibility –** Our tests show up to 22% more flexible than the competition, especially in sub-zero weather! Tiger™ Green comes off the trucks more flexible and easier to handle than other similar hoses.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces and around corners. Easy-to-handle.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (@ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
TY100	1	25.4	1.40	35.5	65	45	FULL	28	2	100	0.28
TY125	1 1/4	31.8	1.63	41.4	60	40	FULL	28	3	100	0.33
TY150	1 1/2	38.1	1.93	49.0	50	35	FULL	28	3	100	0.44
TY200	2	50.8	2.51	63.8	50	35	FULL	28	5	100	0.67
TY300	3	76.2	3.60	91.5	45	30	FULL	26	7	100	1.14
TY400	4	101.6	4.70	119.5	40	25	FULL	26	11.5	100	1.84

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

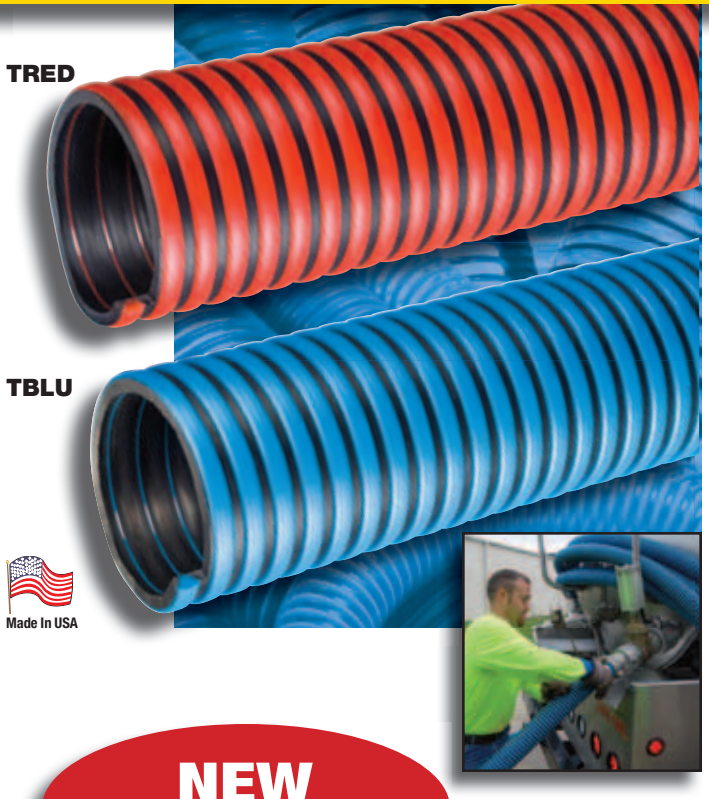
RoHS(10)

"COLD-FLEX" MATERIALS | EASY SLIDE | WATER

Tiger™ Red TRED™ Series

Tiger™ Blue TBLU™ Series

EPDM Suction Hoses



NEW COLORS!

General Applications:

- Agriculture liquid fertilizers
- Irrigation lines
- Liquid manure handling
- Marine bilge discharge
- Pumps, rental and construction dewatering
- Pumps, trash
- Septic and wastewater handling
- Used frack solution removal
- Water suction – standard duty

Construction: EPDM tube with polyethylene helix.

Service Temperature: -40°F (-40°C) to 160°F (+71°C)*

Features and Benefits:

- **Superior Rubber Compounds –** Tigerflex™ uses only the best available EPDM compounds, which provide the ideal combination of light-weight, flexibility, durability and chemical resistance.
- **Superior Flexibility –** Our tests show up to 22% more flexible than the competition, especially in sub-zero weather! Tiger™ Green comes off the trucks more flexible and easier to handle than other similar hoses.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces and around corners. Easy-to-handle.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.

Choose from colors red or blue to match company equipment.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (@ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
TRED/TBLU200	2	50.8	2.51	63.8	50	35	FULL	28	5	100	0.67
TRED/TBLU300	3	76.2	3.60	91.5	45	30	FULL	26	7	100	1.14
TRED/TBLU400	4	101.6	4.70	119.5	40	25	FULL	26	11.5	100	1.84

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

RoHS(10)

"COLD-FLEX" MATERIALS | EASY SLIDE | WATER

tigerflex®

Made In USA

Tiger™– SD

TSD™ Series

EPDM Fabric Reinforced Suction & Discharge Hose

General Applications:

- Agriculture liquid fertilizers
- Agri-foam systems
- Liquid manure handling
- Pumps, rental and construction dewatering
- Pumps, trash
- Septic and wastewater handling
- Suction and discharge
- Water suction – heavy duty

Construction: Double-ply EPDM, polyester fabric reinforcement and polyethylene helix.

Service Temperature: -40°F (-40°C) to 160°F (+71°C)*

Features and Advantages:

- **Superior Rubber Compounds –** Tigerflex™ uses only the best available EPDM compounds, which provide the ideal combination of light-weight, flexibility, durability and chemical resistance.
- **Fabric Reinforcement –** Designed with high tensile strength polyester yarn jacket to handle both suction, and higher pressure discharge applications.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces and around corners. Easy-to-handle.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in Hg) 68°F	Vacuum Rating (in Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
TSD125	1 1/4	31.8	1.70	43.2	100	75	FULL	28	3	100	0.41
TSD150	1 1/2	38.1	2.00	50.7	100	75	FULL	28	3	100	0.51
TSD200	2	50.8	2.54	64.5	100	75	FULL	28	5	100	0.73
TSD300	3	76.2	3.62	92.0	90	65	FULL	26	8	100	1.18

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

RoHS(10)

"COLD-FLEX" MATERIALS
STATIC DISSIPATIVE
WATER

Tiger - TRS™

TRS™ Series

SBR Rubber Suction Hose

Made In USA

General Applications:

- Irrigation lines
- Material handling – heavy duty abrasive
- Pumps, rental and construction dewatering
- Pumps, trash
- Septic and wastewater handling
- Slurry handling
- Water suction – heavy duty

Construction: SBR rubber tube with PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65.5°C)*

Features and Advantages:

- **Superior Rubber Compounds –** Tigerflex™ uses specially engineered compounds which provide the ideal combination of excellent abrasion resistance light weight, flexibility, static dissipation and superior long-lasting durability.
- **Static Dissipative Tube –** Specially formulated to help prevent the build-up of static electricity for added safety.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Approx. Wt. (lbs./ft.)
TRS300	3	76.2	3.43	87	45	32	FULL	26	6	100	1.23

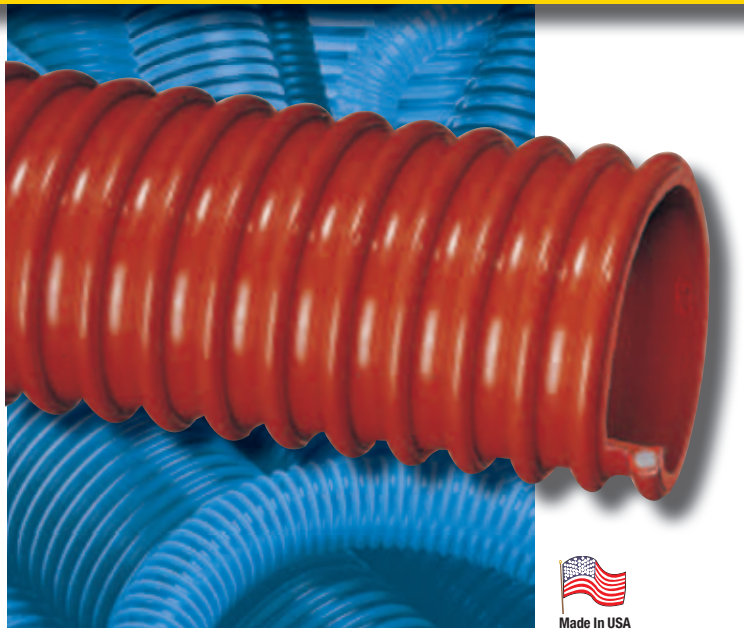
NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

RoHS(10)

OIL RESISTANT

WATER

tigerflex®



Made In USA

WOR™ Series

Heavy Duty Oil Resistant PVC Suction Hose

General Applications:

- Environmental clean-up
- Oil skimming
- Oil slurries
- Oil suction
- Vapor recovery – hydrocarbon emmissions

Construction: Oil resistant PVC tube with rigid PVC helix.

Service Temperature: 5°F (-15°C) to 150°F (+65°C)*

Features and Advantages:

- **Oil Resistant PVC –** Made with special oil resistant compounds which exhibit medium resistance to oil and other hydrocarbons.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
WOR150	1 1/2	38.1	1.92	48.8	50	25	28	24	3	100	0.31
WOR200	2	50.8	2.40	61.0	40	20	28	24	4	100	0.50
WOR300	3	76.2	3.64	92.5	40	20	28	24	6	100	1.17
WOR400	4	101.6	4.72	119.9	35	18	28	22	10	100	1.74

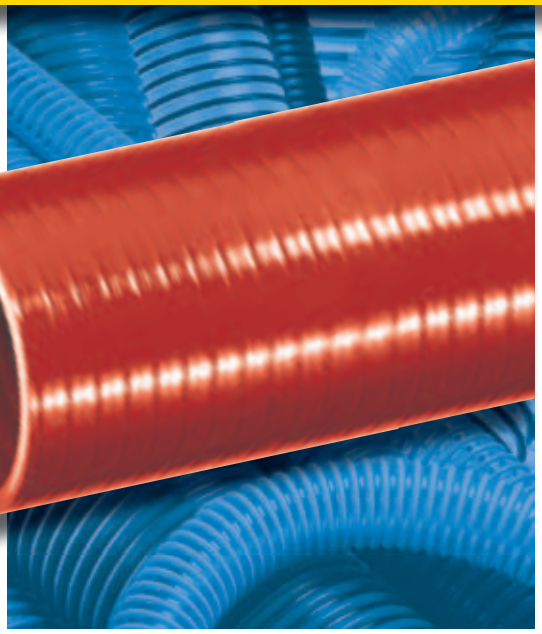
NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

RoHS(10)

tigerflex®

OIL RESISTANT

WATER



ORV™ Series

Heavy Duty
Oil Resistant
PVC Suction Hose

Made In USA

General Applications:

- Environmental cleanup
- Oil skimming
- Oil slurries
- Oil suction
- Vapor recovery – hydrocarbon emissions

Construction: Oil resistant PVC tube with rigid PVC helix.

Service Temperature: 5°F (-15°C) to 150°F (+65°C)*

Features and Benefits:

- **Oil Resistant PVC Tube –** Made with special oil resistant compounds which exhibit medium resistance to oil and other hydrocarbons.
- **Smooth Outer Cover –** Provides increased pressure rating and smooth surface for banding.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
ORV075	3/4	19.0	1.01	25.6	100	60	28	26	3	100	0.19
ORV100	1	25.4	1.26	32.0	80	50	28	26	3	100	0.24
ORV150	1 1/2	38.1	1.76	44.6	60	40	28	24	5	100	0.35
ORV200	2	50.8	2.32	59.0	60	40	28	24	7	100	0.55
ORV300	3	76.2	3.41	86.7	65	40	28	22	10	100	1.09

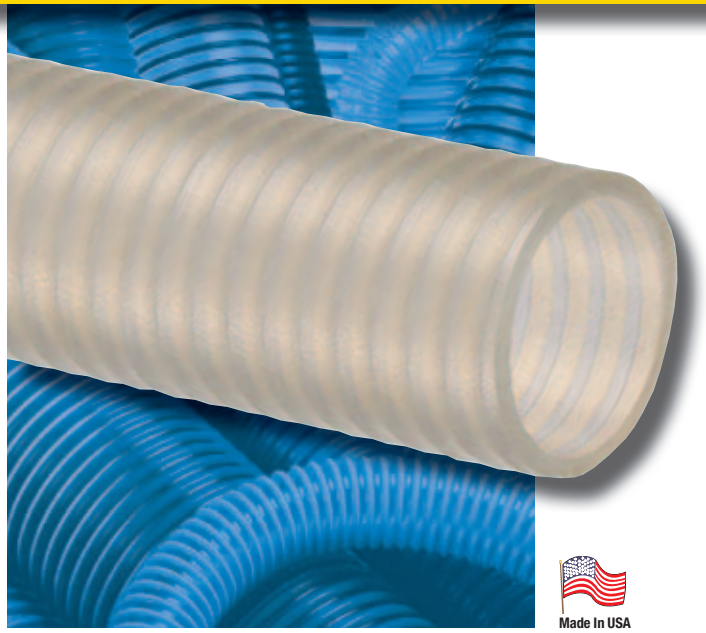
NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

RoHS(10)

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | OIL RESISTANT | TRANSPARENT CONSTRUCTION

tigerflex®



Made In USA

Oil Vac™

OV™ Series

Heavy Duty Oil Resistant Polyurethane Suction Hose

General Applications:
- Material handling - heavy duty abrasive
- Material chutes
- Oil suction – heavy duty

Construction: Polyurethane tube with rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Oil Resistant Polyurethane Tube –** Handles most fuels and oils. Excellent resistance to gasoline, diesel, ethanol, blends (up to E30) and biodiesels (up to B100).
- **Abrasion Resistant Polyurethane Tube –** Solid polyurethane tube outlasts other materials when severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
0V100	1	25.4	1.26	32.0	85	60	28	26	3	100	0.23
0V125	1 1/4	31.7	1.49	37.8	85	60	28	24	5	100	0.30
0V150	1 1/2	38.1	1.76	44.6	70	50	28	24	5	100	0.35
0V200	2	50.8	2.32	59.0	65	45	28	24	7	100	0.55
0V250†	2 1/2	63.5	2.87	73.0	65	45	28	24	8	100	0.82
0V300†	3	76.2	3.41	86.7	65	40	28	22	10	100	1.09

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

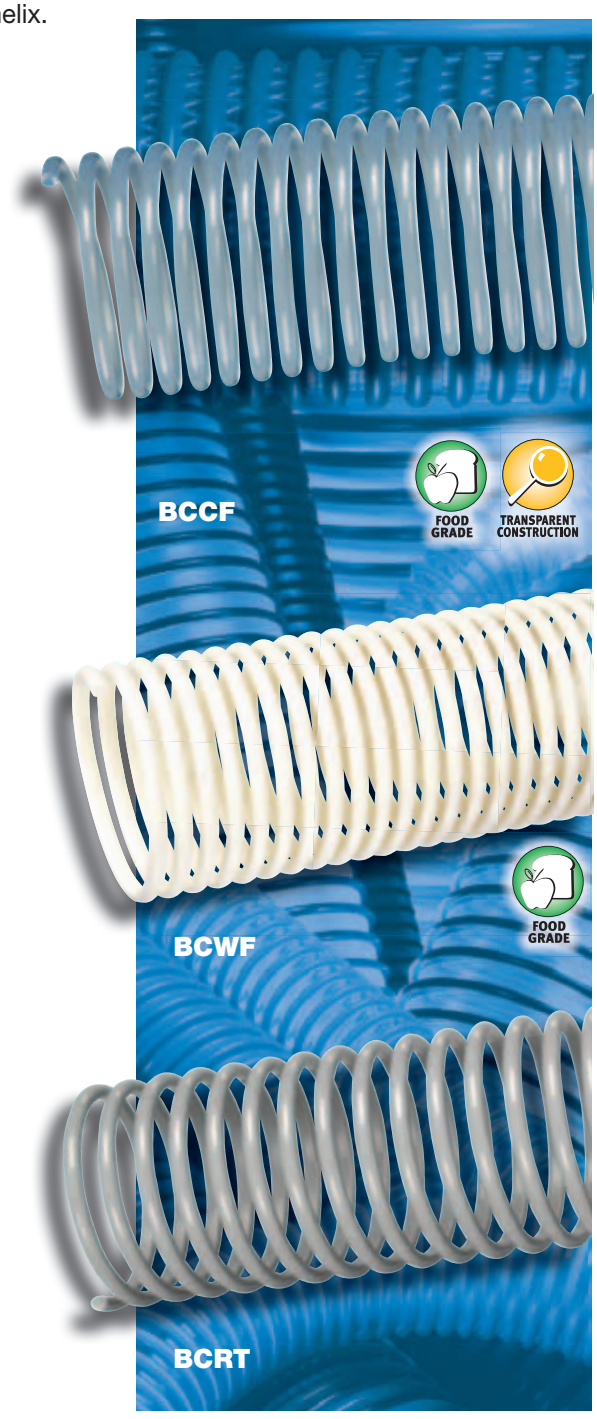
†Non-stock item, minimum order requirements may apply. Contact Kuriyama customer service for details.

RoHS(10)

Banding Coils

Rigid PVC Coils

- For food grade and non-food grade applications.
- Easy assembly.
- Provides smoother surface for banding behind coupling.
- Packaged singly: One piece to make one complete hose assembly coupled at each end.
- Cut one piece in half into two equal pieces; thread between hose helix.



BCCF™ Series

- Clear, food grade, rigid PVC coils
- For hoses with a high-profile, counterclockwise helix*

Food Grade, High-Profile, Counterclockwise Coils

Nominal Specifications

Part No.	Fits Hose (ID)	Color	Weight (lbs/ea.)
BCCF1.5	1-1/2”	Clear	0.20
BCCF2	2”	Clear	0.30
BCCF3	3”	Clear	0.60
BCCF4	4”	Clear	0.90
BCCF5	5”	Clear	1.10
BCCF6	6”	Clear	1.30
BCCF8	8”	Clear	1.40

BCWF™ Series

- White, food grade, rigid PVC coils
- For hoses with a low-profile, counterclockwise helix*

Food Grade, Low-Profile, Counterclockwise Coils

Nominal Specifications

Part No.	Fits Hose (ID)	Color	Weight (lbs/ea.)
BCWF2	2”	White	0.25
BCWF3	3”	White	0.45

BCRT™ Series

- Grey non-food grade, rigid PVC coils
- For hoses with a high-profile, clockwise helix*

Non-Food Grade, High-Profile, Clockwise Coils

Nominal Specifications

Part No.	Fits Hose (ID)	Color	Weight (lbs/ea.)
BCRT2	2”	Grey	0.30
BCRT3	3”	Grey	0.60
BCRT4	4”	Grey	0.90

*Refer to Tigerflex Accessories compatability chart on page 59-61.

Banding Sleeves

Flexible PVC Sleeves

- Helps prevent overbending near the coupling.
- Cut into approximately 12-inch lengths; screw onto hose at each end.

SLV-VLT™ Series

- Clear, food grade, static dissipative PVC
- For hoses with a high-profile, counterclockwise helix*

Nominal Specifications

Part No.	Fits Hose (ID)	Color	Weight (lbs/ea.)
SLV-VLT4X3	4”	Clear	4.29

SLV-DRP™ Series

- Green, non-food grade flexible PVC
- For hoses with a high-profile, counterclockwise helix*

Nominal Specifications

Part No.	Fits Hose (ID)	Color	Weight (lbs/ea.)
SLV-DRP3X3	3”	Green	3.06
SLV-DRP4X3	4”	Green	4.29

SLV-VAP™ Series

- Yellow, non-food grade flexible PVC
- For hoses with low-profile, counterclockwise helix*

Nominal Specifications

Part No.	Fits Hose (ID)	Color	Weight (lbs/ea.)
SLV-VAP2X3	2”	Yellow	1.80
SLV-VAP3X3	3”	Yellow	3.09
SLV-VAP4X3	4”	Yellow	4.20

Banding coils and sleeves for use with Kuriyama Kuri-Clamp™ center punch clamps. Refer to Kuriyama-Couplings™ Catalog.

*Refer to Tigerflex Accessories compatability chart on pages 59-61.

TigerClamps™

Spiral Double Bolt Clamps

- Zinc plated carbon steel.
- Two or more TigerClamps™ are suggested for 3" ID and larger hoses.
- Both hex nuts should be tightened equally to prevent leakage.
- Caution: proper evaluation of holding power for each clamp must be determined for each individual application.

For Counterclockwise Helix Hoses

*Designed to fit most Tigerflex Hoses**

Nominal Specifications

Part No.	Fits Hose (ID)	Weight ea. (lbs.)	Standard Carton Qty.
SDBC-1.5	1-1/2'	0.18	100
SDBC-2	2"	0.36	100
SDBC-2.25	2-1/4"	0.40	100
SDBC-2.5	2-1/2"	0.48	100
SDBC-3	3"	0.66	70
SDBC-3.5	3-1/2"	0.70	70
SDBC-4	4"	1.02	40
SDBC-5	5"	1.76	30
SDBC-6	6"	2.00	20
SDBC-8	8"	2.76	10
SDBC-10	10"	3.46	10
SDBC-12	12"	4.14	10

For Clockwise Helix Hoses

*Designed to fit Tigerflex TR1 and TR2-series hoses**

Nominal Specifications

Part No.	Fits Hose (ID)	Weight ea. (lbs.)	Standard Carton Qty.
SDBCR-2	2"	0.36	100
SDBCR-3	3"	0.66	70
SDBCR-4	4"	1.02	40
SDBCR-5	5"	1.76	30
SDBCR-6	6"	2.00	20
SDBCR-8	8"	2.76	10

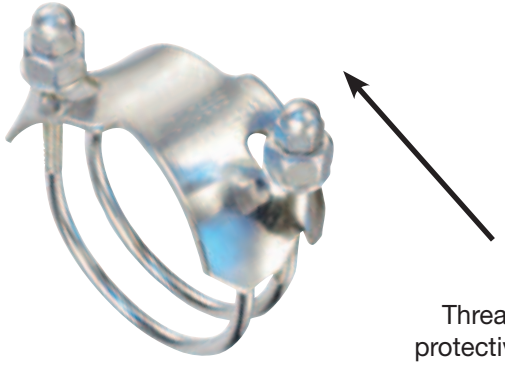
***Refer to Tigerflex Accessories compatability chart on pages 59-61.**

TigerClamp™ Stainless Steel Sprial Double Bolt Clamp

(For Counterclockwise Spiral)

Designed to Fit Tigerflex™ PVC Suction Hoses

Part Number	Size	Weight Each (lbs.)	Standard Carton
SDBC-SS-1.5	1 1/2"	0.40	100
SDBC-SS-2	2"	0.42	100
SDBC-SS-3	3"	0.88	50
SDBC-SS-4	4"	1.01	40
SDBC-SS-6	6"	2.09	20
SDBC-SS-8	8"	2.97	10



Threaded protective cap for safety

Tigerflex™ Accessories Compatability Chart

G = Suggested
-- = Not Suggested

Series	Banding Coils			Banding Sleeves			Clamps		Cuff
	BCCF	BCWF	BCRT	SLV-VLT	SLV-DRP	SLV-VAP	SDBC	SDBC-R	A2150L1
2001-200	--	G	--	--	--	--	G	--	--
2001-300	G	G	--	--	--	--	G	--	--
2001-400	G	--	--	G	G	--	G	--	--
2001 other sizes	G	--	--	--	--	--	G	--	--
2020-300	G	--	--	--	G	--	G	--	--
2020-400	G	--	--	G	G	--	G	--	--
2020 other sizes	G	--	--	--	--	--	G	--	--
AMPH400	G	--	--	--	--	--	G	--	--
AMPH other sizes	G	--	--	--	--	--	G	--	--
BARK400	G	--	--	--	--	--	G	--	--
BARK500	G	--	--	--	--	--	G	--	--
BW500	--	--	--	--	--	--	G	--	--
BW600	--	--	--	--	--	--	G	--	--
BW other sizes	--	--	--	--	--	--	--	--	--
CF200	--	--	--	--	--	--	--	--	--
CF300	--	--	--	--	--	--	--	--	--
CF400	--	--	--	--	--	--	--	--	--
CF600	--	--	--	--	--	--	G	--	--
CF other sizes	--	--	--	--	--	--	--	--	--
F600	--	--	--	--	--	--	G	--	--
F800	G	--	--	--	--	--	G	--	--
F other sizes	--	--	--	--	--	--	--	--	--
FT all sizes	--	--	--	--	--	--	--	--	--
G600	--	--	--	--	--	--	G	--	--
G800	G	--	--	--	--	--	G	--	--
G other sizes	--	--	--	--	--	--	--	--	--
GC/GC-C400	G	--	--	--	--	--	G	--	--
GC/GC-C500	G	--	--	--	--	--	G	--	--
GC/GC-C600	G	--	--	--	--	--	G	--	--
GT/GTG/GTFE150	G	--	--	--	--	--	G	--	G
GT/GTG/GTFE200	--	G	--	--	--	G	G	--	--
GT/GTG/GTFE300	--	G	--	--	--	G	G	--	--
GT/GTG/GTFE400	G	--	--	--	--	G	G	--	--
GT/GTG/GTFE other sizes	G	--	--	--	--	--	G	--	--
H600	--	--	--	--	--	--	G	--	--
H800	G	--	--	--	--	--	G	--	--
H other sizes	--	--	--	--	--	--	--	--	--
J600	--	--	--	--	--	--	G	--	--
J800	G	--	--	--	--	--	G	--	--
J other sizes	--	--	--	--	--	--	--	--	--
K600	--	--	--	--	--	--	G	--	--
K800	G	--	--	--	--	--	G	--	--
K other sizes	--	--	--	--	--	--	--	--	--
LK/LKC300	G	--	--	--	--	G	G	--	--
LK/LKC400	G	--	--	--	--	--	G	--	--
LK/LKC other sizes	G	--	--	--	--	--	G	--	--

NOTE: Banding coils and sleeves must be used in conjunction with a suitable hose clamp.
Refer to individual accessory pages in our Kuriyama-Couplings™ Catalog for detailed information on size availability.
CAUTION NOTE: This chart is provided only as a guideline for selection of hose accessories. Actual results will vary due to manufacturing tolerances.

Tigerflex™ Accessories Compatability Chart

G = Suggested
-- = Not Suggested

Series	Banding Coils			Banding Sleeves			Clamps		Cuff
	BCCF	BCWF	BCRT	SLV-VLT	SLV-DRP	SLV-VAP	SDBC	SDBC-R	A2150L1
MH150	--	--	--	--	--	--	G	--	G
MH200	--	G	--	--	--	--	G	--	--
MH other sizes	--	--	--	--	--	--	--	--	--
MILK	--	--	--	--	--	--	--	--	--
MILK-LT	--	--	--	--	--	--	--	--	--
MULCH400	--	--	--	--	--	--	G	--	--
MULCH500	G	--	--	--	--	--	G	--	--
MULCH600	G	--	--	--	--	--	G	--	--
ORV all sizes	--	--	--	--	--	--	--	--	--
OV all sizes	--	--	--	--	--	--	--	--	--
PF300	G	--	--	--	--	--	G	--	--
PF400	G	--	--	G	G	--	G	--	--
PF other sizes	G	--	--	--	--	--	G	--	--
S300	--	--	--	--	--	--	G	--	--
S400	--	--	--	--	--	--	G	--	--
S other sizes	--	--	--	--	--	--	--	--	--
SH300	--	G	--	--	--	--	G	--	--
SH400	G	--	--	G	G	--	G	--	--
SH other sizes	G	--	--	--	--	--	G	--	--
TG/TY/TRED/TBLU all sizes	--	--	--	--	--	--	--	--	--
TR1-200	--	--	G	--	--	--	--	G	--
TR1-300	--	--	G	--	--	--	--	G	--
TR1-400	--	--	G	--	--	--	--	G	--
TR1 other sizes	--	--	--	--	--	--	--	G	--
TRS300	--	--	--	--	--	--	--	--	--
TSD all sizes	--	--	--	--	--	--	--	--	--
UBK200	--	G	--	--	--	--	G	--	--
UBK300	--	G	--	--	--	--	G	--	--
UBK400	G	--	--	--	--	--	G	--	--
UBK other sizes	G	--	--	--	--	--	G	--	--
UF1-200	--	G	--	--	--	--	G	--	--
UF1-300	G	--	--	--	--	--	G	--	--
UF1-400	G	--	--	--	--	--	G	--	--
UF1 other sizes	G	--	--	--	--	--	G	--	--
UF2-200	--	G	--	--	--	--	G	--	--
UF2-300	G	--	--	--	G	--	G	--	--
UF2-400	G	--	--	G	G	--	G	--	--
UF2 other sizes	G	--	--	--	--	--	G	--	--
UFC200	--	G	--	--	--	--	G	--	--
UFC300	--	G	--	--	--	--	G	--	--
UFC400	G	--	--	--	--	--	G	--	--
UV1/UVF150	G	--	--	--	--	--	G	--	--
UV1/UVF200	--	G	--	--	--	G	G	--	--
UV1/UVF300	--	G	--	--	--	G	G	--	--
UV1/UVF400	G	--	--	--	--	G	G	--	--
UV2-200	G	--	--	--	--	G	G	--	--
UV2-400	G	G	X	X	X	G	G	X	X

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Series	Banding Coils			Banding Sleeves			Clamps		Cuff
	BCCF	BCWF	BCRT	SLV-VLT	SLV-DRP	SLV-VAP	SDBC	SDBC-R	A2150L1
UV1/UVF other sizes	G	--	--	--	--	--	G	--	--
UV2-300	G	--	--	--	--	--	G	--	--
UV2 other sizes	G	--	--	--	--	--	G	--	--
UV3-300	G	G	--	--	--	G	G	--	--
UV3-400	G	--	--	--	--	--	G	--	--
UV3 other sizes	G	--	--	--	--	--	G	--	--
UVPE all sizes	--	--	--	--	--	--	G	--	--
VOLT200	G	--	--	--	--	G	G	--	--
VOLT300	G	G	--	--	--	G	G	--	--
VOLT400	G	--	--	G	G	--	G	--	--
VOLT other sizes	G	--	--	--	--	--	G	--	--
VLT-SD300	G	--	--	--	G	--	G	--	--
VLT-SD400	G	--	--	G	G	--	G	--	--
VLT-SD other sizes	G	--	--	--	--	--	G	--	--
W200	--	G	--	--	--	--	G	--	--
W300	--	G	--	--	--	--	G	--	--
W400	G	--	--	G	G	--	G	--	--
W other sizes	G	--	--	--	--	--	G	--	--
WBS200	--	G	--	--	--	--	G	--	--
WBS300	--	G	--	--	--	--	G	--	--
WBS400	G	--	--	--	--	--	G	--	--
WBS other sizes	G	--	--	--	--	--	G	--	--
WE200	--	G	--	--	--	--	G	--	--
WE300	--	G	--	--	G	--	G	--	--
WE400	G	--	--	--	--	--	G	--	--
WE other sizes	G	--	--	--	--	--	G	--	--
WG200	--	G	--	--	--	--	G	--	--
WG300	--	G	--	--	--	--	G	--	--
WG400	G	--	--	G	G	--	G	--	--
WG other sizes	G	--	--	--	--	--	G	--	--
WH200	--	G	--	--	--	--	G	--	--
WOR150	G	--	--	--	--	--	G	--	--
WOR200	--	G	--	--	--	G	G	--	--
WOR300	G	G	--	--	G	--	G	--	--
WOR400	G	--	--	G	G	--	G	--	--
WST/WSTF300	G	G	--	--	G	--	G	--	--
WST/WSTF400	G	G	--	G	G	--	G	--	--
WST/WSTF other sizes	G	--	--	--	--	--	G	--	--
WT200	--	G	--	--	--	--	G	--	--
WT300	G	G	--	--	--	--	G	--	--
WT400	G	--	--	G	G	--	G	--	--
WT other sizes	G	--	--	--	--	--	G	--	--

NOTE: Banding coils and sleeves must be used in conjunction with a suitable hose clamp.
Refer to the individual accessory pages in our Kuriyama-Couplings™ Catalog for detailed information on size availability.
CAUTION NOTE: This chart is provided only as a guideline for selection of hose accessories. Actual results will vary due to manufacturing tolerances.

Quality Assurance

ISO 9001:2008 Registration

Tigerflex™ hoses are manufactured in our own plant with ISO 9001:2008 registered quality management systems.

The ISO 9001 family of standards represents an international consensus on good manufacturing practices with the aim of ensuring that the organization consistently delivers the product or services that meet the customer's quality requirements.

ISO 9001 is a quality assurance model against which a plant's quality system can be independently audited.

Compliance Footnotes for Tigerflex™ Catalog Products

(01) 3A – Material approved by 3-A Sanitary Standards, Inc. for multi-use plastic materials, number: 20-25, as product contact surfaces in equipment for production, processing and handling of milk and milk products.

(02) BSE/TSE – The majority of the raw materials used in our formulations are not manufactured or derived from materials of animal origin. Nor do our products come into contact with materials of animal origin during processing. Our suppliers of raw materials have assured us their compounds exceed the relevant European Guidance on minimizing the Risk of Transmitting Animal Spongiform Encephalophy Agents Via Human and Veterinary Medical Products.

(03) FDA – Material conforms to CFR title 21, parts 170-199.

(04) FDA – Material conforms to CFR title 21, parts 177.1680 and 177.2600.

(05) FDA – Material conforms to CFR title 21, parts 177.2600 and 175.105.

(06) FDA – Material conforms to CFR title 21, parts 177.2800 (5)(i), 21 CFR 170.39.

(07) IAPMO – Hose approved by International Association of Plumbing and Mechanical Officials for use on circulating, return and main drain piping on spas, hot tubs, and swimming pools. Manufactured in compliance with IAPMO PS 33-2007.

(08) MSHA – Hose approved by the United States Department of Labor's Mine Safety and Health Administration as having met Part 18, Title 30 CFR, and the Interim Fire Criteria for Acceptance of Products Taken into Underground Mines as water transfer hose.

(09) MSHA – Hose approved by the United States Department of Labor's Mine Safety and Health Administration as having met the Interim Fire Criteria Acceptance of Products Taken Into Underground Mines as a hydraulic hose/hose bundle protection sleeve. Not intended for protection of electrical cables, and not intended for the repair or conveying of damaged hydraulic hoses.

(10) RoHS – The product complies with the requirements of the EU directive 2002/95/EC which is on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

(11) USDA – Hose approved by the US Department of Agriculture for use in federally inspected meat and poultry plants.

Flexibility

The terms Flexibility and Minimum Bend Radius are often used interchangeably. However, while closely related, their meanings are different.

Minimum Bend Radius is generally defined as the smallest radius to which a hose can be bent without damage. Tigerflex™ defines damage as a 5% reduction of the hose OD at the bend point (before kinking/collapse). Other manufacturers may define damage as complete hose kinking/collapse.

Flexibility is defined as the amount of force required in order to bend the hose to a specified radius without kinking. In order to provide a better understanding of the flexibility of Tigerflex™ hoses we've performed extensive force-to-bend testing. This data provides a clearer picture of the actual flexibility of our hoses in order to assist in your hose selection process.

Food Grade			
	Force to Bend (Lbs./F) *		
Series	2" ID x 3 ft.	3" ID x 5 ft.	4" ID x 7 ft.
GTF/GTFE	0.3	0.8	3.5
UVF	2.5	3.6	5.5
WT	4.5	6.5	16.0
WE	5.5	8.8	21.4
2001	5.6	9.0	21.0
WBS	5.5	13.1	22.0
WSTF	-	14.0	22.0
VOLT	7.8	15.0	22.0
MILK-LT	10.0	15.0	-
MILK	11.0	17.0	-
FT	13.0	24.0	41.0
2020	-	31.0	41.0
VLT-SD	-	33.0	42.4

Material Handling			
	Force to Bend (Lbs./F) *		
Series	2" ID x 3 ft.	3" ID x 5 ft.	4" ID x 7 ft.
UV2	3.4	5.5	7.0
TR2	-	-	7.4
BARK	-	-	7.6
MULCH-LT	-	-	8.0
TR1	3.4	5.0	8.0
GC/GC-C	-	-	9.0
UBK	6	8	11.5
UV3	-	7.0	13.0
UFC	4.8	8.0	12.2
UF1	4.8	8.0	12.2
UVPE	5.5	7.5	-
AMPH	5.5	10.0	15.5
UF2	5.5	10.1	17.2
MULCH	-	-	18.2
PF	-	13.0	19.0

Ducting			
	Force to Bend (Lbs./F) *		
Series	2" ID x 3 ft.	3" ID x 5 ft.	4" ID x 7 ft.
CG/CG-SL	0.5	1.2	2.1
GT/GTG	0.5	1.5	2.8
LK/LKC	-	1.8	3.0
UV1	3.0	3.7	5.5

Liquid Suction			
	Force to Bend (Lbs./F) *		
Series	2" ID x 3 ft.	3" ID x 5 ft.	4" ID x 7 ft.
WH/SH	2.8	2.5	3.5
MH	2.8	-	-
WOR	2.8	5.3	10.0
W	4.0	9.5	7.3
WG	4.5	10.0	15.0
BW	7.8	12.3	19.5
ORV	10.0	12.0	-
TG/TY	12.0	11.2	22.0
TRED/TBLU	12.0	11.2	22.0
WST	-	14.0	21.0
CF	14.5	14.0	28.5
TRS	-	17.0	-
TSD	14.8	18.8	-
H/J/K	12.1	24.0	34.0
OV	19.0	29.0	-
S	24.6	29.0	35.5
F/G	26.0	31.0	47.0

A lower force-to-bend value indicates a more flexible hose.

*Values listed indicated pounds of force required to bend a straight length of hose to 180° at 68°F.

These recommendations are based on our laboratory test reports which are, to the best of our knowledge, complete and accurate. However, actual hose force-to-bend requirements can vary due to many factors such as hose age and manufacturing tolerances. Therefore, no guarantee is expressed or implied by our publication of this chart. If doubt exists, we advise that a sample of the hose in question be obtained and tested under actual conditions. These values are provided for reference only and are subject to change.

Care and Maintenance

Hoses have a limited service life and users must be alert to signs of impending failure. Users of industrial hose should have safety and inspection procedures in place. Hose users should be trained how to properly inspect a hose for signs of impending failure. Hose should be routinely inspected for signs of damage.

Length of hose service life is affected by several factors including the type of material conveyed, pressure, vacuum, number and degree of bends, amount of flexing and exposure to environmental elements. Since we have no control over the way in which the hose is used, we do not warrant our hose for any particular service life.

Hoses and fittings should be routinely inspected for signs of damage, such as:

- Cuts, cracks, severe abrasions or holes in the hose tube, helical support or grounding wire
- Ovaling, kinking, bulging or any other deformation of the hose's normal shape
- Hardening or soft spots
- Flaking or chipping
- Misalignment or weakening of the coupling retention
- Fitting or clamp damage such as loose clamps, missing pins, worn threads excessive corrosion

If any of these signs of damage are observed, contact your hose supplier for replacement or repair.

Recommended Practices

Hoses should only be used to convey materials compatible with hose construction. Refer to the Chemical Resistance and Application Guides in this catalog.

Hoses should not be used at levels that exceed their working pressure or vacuum ratings, and should not be subjected to severe pressure spikes or abrupt drops in pressure.

Hoses can sustain damage at high temperatures. Care should be exercised to not exceed the temperature limits of the hose. Hose should not be installed near sources of high heat.

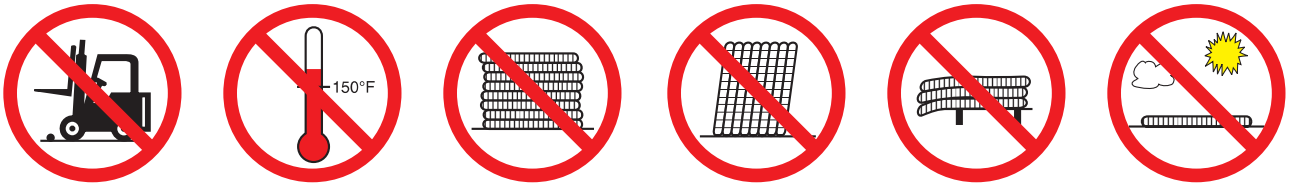
Do not subject hose to abuse during service. Hose should not be thrown, dropped or subjected to severe impacts. Machinery should not be moved by pulling on the hose. Protect the hose from sharp edges and corners by using appropriate hose covers or sleeves.

If hose is used in a suspended position it should be supported in multiple points with use of proper hose slings in order to evenly distribute the hose weight.

Hose should not be used in applications where hose failure would result in contents exposure to open flame or other ignition sources.

When not in service hoses should be drained and stored properly.

Storage and Handling



The following storage conditions and handling procedures can enhance and substantially extend the ultimate life of Tigerflex™ hose.

Upon receipt of Tigerflex™ product, skids should be broken down and product inspected for shipping damage. Skids are configured for shipping purposes only.

Hose should be stored indoors out of direct sunlight. Hose should be stored a minimum of ten feet from fluorescent light fixtures.

Hose should always be stored flat on smooth surfaces. Hose should not be stored on its side as this can cause the section of the hose resting on the ground to become deformed, or “egg shaped”.

Hose coils should not be stacked more than six coils high. Larger diameter hoses, 4” and above, should be stacked fewer than six coils high. Please refer to the following chart for recommended maximum stacking height requirements by hose size:

Hose Size (ID)	3/4”	1”	1-1/4”	1-1/2”	2”	2-1/2”	3”	4”	5”	6”	8”+
Max Coil Stack Height	6	6	6	6	6	6	6	5	3	2	1

Exceeding these coil stacking requirements may cause the compression load factor on the bottom coil to exceed the hose’s load limitations, causing the bottom coil to flatten out.

Hose should be pulled from inventory on a first-in, first-out (FIFO) basis.

During storage, hose should be kept in its original wrapping when possible, and kept free of dust and dirt.

Hose should not be exposed to water, oils, solvents, or corrosive liquids and fumes during storage. Hose should be protected from rodents and insects.

Rubber hoses should not be stored near electrical equipment. The motor in the equipment can generate ozone, which can attack and damage rubber hose.

Hose should not be subjected to extreme temperatures. Ideal hose storage temperature is between 50°F and 70°F, and ideally should not exceed 100°F. Be aware, when the air temperature is over 90°F outdoor ground surfaces such as asphalt, concrete and gravel can be in excess of 150°F. Such extreme heat conditions could reduce service life of thermoplastic products. Do not store hoses near heat sources such as heat vents, heaters or radiators. Hoses should not be exposed to dampness or high humidity during storage.

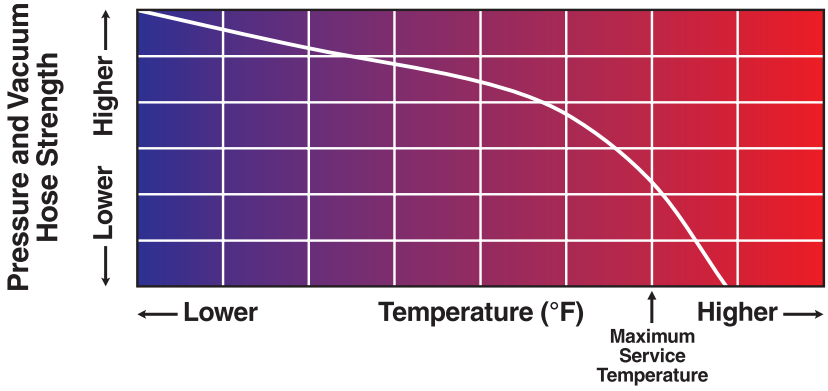
Hose should not be kinked or run over by any equipment. Do not drag the hose during storage & shipping. In the handling of larger ID hose, dollies should be used in transporting whenever possible. Slings or handling rigs, properly placed in multiple locations throughout the hose, should be used to support heavier hose. Hanging and supporting coils using forklift forks without protection may damages hose.

The Effect of Temperature on Working Pressure & Vacuum Ratings

As a general rule, the working pressure and vacuum ratings for plastic reinforced hoses are based on room temperature conditions. The maximum allowable working pressure or vacuum/suction for a hose decreases as the temperature increases and the material becomes softer and more elastic. Excessive bending of a hose while in service can also affect the allowable service application working pressure and vacuum.

Working pressure and vacuum ratings can be affected significantly by the type of fitting used, the method of attachment, and the temperature to which the hose assembly is exposed in service. The graph below demonstrates the overall trend.

Pressure and vacuum hose strength decreases as temperature increases



Working Pressure Ratings

Working pressure and vacuum ratings are given in this catalog at 68°F and 104°F. Between 104°F and the maximum service temperature, it must be noted that a rapid decline in the pressure or vacuum rating of the hose may occur, and all factors relating to the hose, fittings and service conditions must be taken into consideration.

No warranty is expressed or implied, as applications and methods of fitting installation may vary widely. Before placing a hose in service, the user must determine the suitability of the product under the correct working conditions, and assumes all risk and liability in connection therewith.

Chemical Resistance Guides

Many new materials have been developed to handle the wide range of modern chemicals being used in industry today. Many of these materials are now being used in the construction of Tigerflex™ hose.

The Chemical Resistance Guides which appears on the following pages have been prepared to assist the user in the selection of the correct hose for the application.

These recommendations are based on laboratory and test reports which are, to the best of our knowledge, complete and accurate. However, the degree of chemical resistance of any given material depends upon many variables, including such factors as length of exposure, temperature, pressure, fluid velocity, and chemical concentration.

Therefore, no guarantee is expressed or implied by our publication of these Chemical Resistance Guides. If an element of doubt exists, we advise that a sample of the specific hose selected be obtained and tested under actual conditions.

Furthermore, listings in these Chemical Resistance Guides do not imply conformance to any U. S. Department of Agriculture (USDA), Food and Drug Administration (FDA) or any other federal, provincial or state laws which may be applicable when handling food products. For information on the conformance of any specific hose product with FDA, USDA, or 3-A Sanitary Standards, please refer to the notes accompanying the information and specifications for each hose featured in this catalog.

Warning

The Chemical Resistance Guides shown on the following pages are intended for general guidance only. The information contained therein is based upon tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. No warranty is expressed or implied, as specific application parameters, such as temperature, pressure and chemical concentrations vary widely. Furthermore, use of these hoses for handling multiple chemical products, either singly or as a mixture, may introduce uncontrollable factors relating to chemical resistance.

Before using any hose, the user is responsible for determining the suitability of the hose for the intended application. Therefore, the user assumes all risk and responsibility for determining the suitability of any hose for handling any chemical or chemicals.

PVC and Polyurethane Chemical Resistance Guide

Key: E — Excellent G — Good L — Limited U — Unsatisfactory

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Acetaldehyde	U	U	U	U
Acetaldehyde 40 Pct.	—	—	—	—
Acetate Solvents-Crude	U	U	L	U
Acetate Solvents-Pure	U	U	L	U
Acetic Acid 0-10 Pct.	G	L	U	U
Acetic Acid 10-20 Pct.	G	L	U	U
Acetic Acid 20-30 Pct	G	L	U	U
Acetic Acid 30-60 Pct.	G	L	U	U
Acetic Acid 80 Pct.	L	L	U	U
Acetic Acid Vapors	G	G	U	U
Acetic Acid-Glacial	L	U	U	U
Acetic Anhydride	U	U	U	U
Acetone	U	U	L	U
Acetylene	E	E	E	E
Acrylonitrile	E	G	—	—
Adipic Acid	G	L	U	U
Alcohol (See Type)	—	—	—	—
Allyl Alcohol 96 Pct.	U	U	U	U
Allyl Chloride	L	L	U	U
Alum	E	E	E	E
Aluminum Acetate	G	L	—	—
Aluminum Chloride	E	E	L	L
Aluminum Fluoride	E	E	E	E
Aluminum Hydroxide	E	L	G	L
Aluminum Nitrate	E	E	E	E
Aluminum Oxalate	—	—	—	—
Aluminum Oxychloride	E	E	—	—
Aluminum Sulfate	E	E	E	E
Ammonia – Aqueous	L	U	L	U
Ammonia – Dry Gas	L	U	L	U
Ammonia-Liquid	U	U	L	U
Ammoniated Latex	E	L	—	—
Ammonium Bicarbonate	—	—	—	—
Ammonium Carbonate	E	E	E	E
Ammonium Chloride	E	E	G	L
Ammonium Fluoride 25 Pct.	U	U	L	U
Ammonium Hydrosulphide	—	—	—	—
Ammonium Hydroxide 28 Pct.	G	G	L	U
Ammonium Metaphosphate	E	E	G	G
Ammonium Nitrate	E	E	G	G
Ammonium Persulfate	E	E	G	G
Ammonium Phosphate (Ammoniacal)	—	—	—	—
Ammonium Phosphate-Neutral	E	E	G	G
Ammonium Sulfate	E	E	E	E
Ammonium Sulfide	E	E	E	E
Ammonium Thiocyanate	E	E	G	G
Amyl Acetate	U	U	U	U
Amyl Alcohol	L	U	U	U
Amyl Chloride	U	U	—	—
Aniline	L	U	U	U
Aniline Chlorohydrate	U	U	U	U
Aniline Hydrochloride	U	U	U	U
Aniline Sulphate	—	—	—	—
Animal Oils	E	G	—	—
Anthraquinone	E	E	—	—
Anthraqunonesulfonic Acid	E	E	U	U
Antimony Pentaculcride	—	—	—	—
Antimony Trichloride	E	E	E	E
Apple (Sauce or Juice)	E	E	—	—
Aqua Regia	L	U	U	U
Aromatic Hydrocarbons	U	U	—	—
Arsenic Acid 80 Pct.	E	G	U	U
Arylsulfonic Acid	L	U	U	U
Asphalt	U	U	E	E
ASTM Fuel #1 Oil	G	L	E	E
ASTM Fuel #3 Oil	L	U	E	E
ASTM Fuel A	G	L	E	E
ASTM Fuel B	U	U	G	L
ASTM Fuel C	U	U	G	L
Baby Food	E	E	—	—
Barium Carbonate	E	E	E	E
Barium Chloride	E	E	E	E
Barium Hydroxide	E	E	G	L
Barium Sulfate	E	E	E	E
Barium Sulfide	E	E	E	E

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Barley	E	U	—	—
Beer	E	E	—	—
Beet-Sugar Liquor	E	E	—	—
Benzaldehyde	U	U	U	U
Benzene	U	U	L	U
Benzene-Sulfonic Acid 10 Pct.	E	E	U	U
Benzoic Acid	G	L	U	U
Benzol	U	U	L	U
Benzyl Alcohol	—	—	—	—
Berries	E	E	—	—
Bismuth Carbonate	E	E	E	E
Black Liquor (Paper industry)	E	E	—	—
Bleach-12.5 Pct. Active CL	G	L	L	U
Borax	E	G	E	E
Bordeaux Mixture	E	E	—	—
Boric Acid	E	E	U	U
Boron Trifluoride	E	E	E	E
Brine	E	E	G	U
Bromic Acid	E	L	U	U
Bromine-Liquid	U	U	U	U
Bromine-Water	U	U	U	U
Brussel Sprouts	E	E	—	—
Butadiene	L	U	—	—
Butane	E	E	E	E
Butanediol	—	—	—	—
Butanol-Primary	U	U	L	U
Butanol-Secondary	U	U	L	U
Butter	G	L	—	—
Butyl Acetate	U	U	L	U
Butyl Alcohol	E	L	L	U
Butyl Cellosolve	U	U	—	—
Butyl Phenol	L	U	—	—
Butylene	E	G	E	E
Butynedial (Erythritol)	U	U	U	U
Butyraldehyde	—	—	—	—
Butyric Acid 20 Pct.	L	U	L	U
Calcium Bisulfite	E	E	E	E
Calcium Carbonate	E	E	E	E
Calcium Chlorate	E	E	G	L
Calcium Chloride	E	E	L	U
Calcium Hydroxide	E	E	G	L
Calcium Hypochlorite	E	E	U	U
Calcium Nitrate	E	E	E	E
Calcium Phosphate	—	—	—	—
Calcium Sulfate	E	E	E	E
Camphor Oil	—	—	—	—
Cane Sugar Liquors	E	E	—	—
Carbon Bisulfide	U	U	—	—
Carbon Dioxide (Aqueous Solution)	E	E	E	E
Carbon Dioxide Gas (Wet)	E	E	E	E
Carbon Disulphide	U	U	—	—
Carbon Monoxide	E	E	E	E
Carbon Tetrachloride	U	U	L	U
Carbonic Acid	E	E	U	U
Carrots	E	E	—	—
Casein	E	G	E	E
Castor Oil	E	E	E	E
Catsup	E	G	—	—
Caustic Potash	E	E	L	U
Caustic Soda	E	E	L	U
Cellosolve	L	U	G	L
Cheese	E	G	—	—
Cherries	E	E	—	—
Chloracetic Acid	E	U	U	U
Chloral Hydrate	E	E	G	L
Chloric Acid 20 Pct.	E	E	U	U
Chlorinated Hydrocarbons	U	U	—	—
Chlorine Gas (Dry)	E	E	U	U
Chlorine Gas (Moist)	L	U	U	U
Chlorine Water 2 Pct.	L	U	L	U
Chlorine Water Saturated	—	—	—	—
Chlorobenzene	U	U	U	U
Chloroform	U	U	U	U
Chlorsulfonic Acid	L	U	U	U
Chocolate	G	L	—	—
Chrome Alum	E	E	E	E

PVC and Polyurethane Chemical Resistance Guide

Key: E — Excellent G — Good L — Limited U — Unsatisfactory

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Chromic Acid 10 Pct.	G	L	U	U
Chromic Acid 25 Pct.	G	L	U	U
Chromic Acid 30 Pct.	L	U	U	U
Chromic Acid 40 Pct.	L	U	U	U
Chromic Acid 50 Pct.	L	U	U	U
Chromic Acid Plating Solution	—	—	U	U
Cider	—	—	—	—
Citric Acid	E	E	U	U
Coal Tar	U	U	U	U
Coconut Oil	L	U	E	E
Cola Drinks	E	E	—	—
Copper Chloride	E	G	E	E
Copper Cyanide	E	E	—	—
Copper Fluoride 2 Pct.	E	E	E	E
Copper Nitrate	E	G	E	E
Copper Sulfate	E	G	E	E
Core Oils	E	E	E	E
Corn Oils	E	G	—	—
Cottonseed Oil	G	L	E	E
Creosote	U	U	—	—
Cresol	U	U	L	U
Cresylic Acid 50 Pct.	U	U	U	U
Crude Oil-Sour	E	E	E	E
Crude Oil-Sweet	E	E	E	E
Cyclohexane	L	U	—	—
Cyclohexanol	U	U	L	U
Cyclohexanone	U	U	U	U
Demineralized Water	E	E	G	U
Detergents, Synthetic	E	G	—	—
Developers, Photographic	E	E	—	—
Dextrin	E	E	E	E
Dextrose	E	G	E	E
Di-acetone Alcohol	—	—	—	—
Di-isodecyl Phthalate	U	U	—	—
Diazo Salts	E	E	—	—
Dibutyl Phthalate	U	U	—	—
Dichlorobenzene	U	U	—	—
Diesel Oils	L	U	—	—
Diethyl Ether	—	—	—	—
Diethyl Ether	L	U	—	—
Diethylene Glycol	E	E	—	—
Diglycolic Acid	E	G	—	—
Dimethylamine	U	U	U	U
Dioctyl Phthalate	U	U	—	—
Diotylphthalate	U	U	G	L
Disodium Phosphate	E	E	E	E
Distilled Water	E	E	G	U
Eggs (yolks or white)	E	E	—	—
Emulsifiers	E	E	—	—
Emulsions, Photographic	E	E	—	—
Ethers	U	U	G	L
Ethyl Acetate	U	U	L	U
Ethyl Acrylate	U	U	—	—
Ethyl Alcohol	G	L	—	—
Ethyl Alcohol 0-50 Pct.	G	L	G	L
Ethyl Alcohol 50-98 Pct.	L	U	L	U
Ethyl Butyrate	—	—	—	—
Ethyl Chloride	U	U	U	U
Ethyl Ether	U	U	G	L
Ethyl Formate	—	—	—	—
Ethylene Bromide	E	U	U	U
Ethylene Dichloride	U	U	U	U
Ethylene Glycol	E	E	G	L
Ethylene Oxide	U	U	U	U
Fatty Acids	E	G	G	L
Ferric Chloride	E	E	G	L
Ferric Nitrate	E	E	E	E
Ferric Sulfate	E	E	E	E
Ferrous Ammonium Citrate	—	—	—	—
Ferrous Chloride	E	E	E	E
Ferrous Sulfate	E	E	E	E
Figs	E	E	—	—
Fish Solubles	E	E	E	G
Fixing Solution Photographic	E	G	—	—
Flour	E	U	—	—
Fluorine Gas-Dry	U	U	U	U

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Fluorine Gas-Wet	U	U	U	U
Fluoroboric Acid	E	E	E	E
Fluorosilicic Acid	E	E	U	U
Fluorosilicic Acid 40 Pct.	—	—	—	—
Fluorosilicic Acid Concentrate	—	—	—	—
Food Products, such as Milk, Buttermilk, Molasses, Salad Oils, Fruit	E	E	—	—
Foric Acid	E	L	U	U
Formaldehyde 40 Pct. Aqueous	U	U	—	—
Formic Acid 10 Pct.	E	G	U	U
Formic Acid 100 Pct.	U	U	U	U
Formic Acid 25 Pct.	E	G	—	—
Formic Acid 3 Pct.	E	G	U	U
Formic Acid 50 Pct.	L	U	U	U
Freon-12	E	G	E	E
Fructose	E	E	E	E
Fruit Pulps and Juices	E	E	E	E
Fuel Oil	G	L	E	E
Furfural	U	U	U	U
Furfuryl Alcohol	E	L	—	—
Gallic Acid	E	E	—	—
Gas-Coke Oven	G	G	G	G
Gas-Manufactured	U	U	—	—
Gas-Natural (Dry)	E	E	E	E
Gas-Natural (Wet)	E	E	E	E
Gasoline	U	U	—	—
Gasoline – Refined	L	U	E	G
Gasoline – Sour	L	U	E	G
Gelatine	E	E	E	E
Gin	E	G	—	—
Ginger Ale	E	E	—	—
Glucose	E	E	E	E
Glycerine (Glycerol)	E	E	E	E
Glycol	E	E	G	G
Glycolic Acid 30 Pct.	E	E	U	U
Grade Sugar	—	—	—	—
Grape Juice	E	E	—	—
Grapefruit Juice	E	E	—	—
Grease	E	L	—	—
Green Liquor (Paper industry)	E	E	—	—
Heptachlor	E	L	—	—
Heptane	L	U	E	—
Hexadecanol	—	—	—	—
Hexane	L	U	—	—
Hexanol, Tertiary	L	U	G	—
Honey	E	E	—	—
Hydrochloric Acid 10 Pct.	E	E	U	U
Hydrochloric Acid 48 Pct.	E	L	U	U
Hydrocyanic Acid 10 Pct.	—	—	—	—
Hydrofluoric Acid 10 Pct.	G	L	U	U
Hydrofluoric Acid 4 Pct.	G	G	U	U
Hydrofluoric Acid 48 Pct.	G	U	U	U
Hydrofluoric Acid 60 Pct.	G	U	U	U
Hydrofluoroboric Acid	E	E	—	—
Hydrofluorosilic Acid	G	L	U	U
Hydrogen	E	G	E	E
Hydrogen Bromide (Dry)	—	—	—	—
Hydrogen Chloride (Dry) (Liquid)	—	—	E	E
Hydrogen Cyanide	E	E	U	U
Hydrogen Peroxide 3 –12 Pct.	E	G	—	—
Hydrogen Peroxide 30 Pct.	E	G	G	L
Hydrogen Peroxide 50 Pct.	E	L	L	U
Hydrogen Peroxide 90 Pct.	U	U	U	U
Hydrogen Phosphide	E	L	—	—
Hydrogen Sulfide – Aqueous Solution	E	E	—	—
Hydrogen Sulfide – Dry	E	E	—	—
Hydrombromic Acid 20 Pct.	E	G	U	U
Hydroquinone	E	E	E	E
Hydroxylamine Sulfate	E	E	—	—
Hypochlorous Acid	E	E	L	U
Inks	—	—	—	—
Iodine (In Alcohol)	U	U	U	U
Iso-octane	G	L	—	—
Isopropyl Acetate	U	U	—	—
Isopropyl Alcohol	E	G	—	—
Jelly	E	E	—	—

PVC and Polyurethane Chemical Resistance Guide

Key: E — Excellent G — Good L — Limited U — Unsatisfactory

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Jet Fuels JP 3,4,5	U	U	G	L
Kerosene	U	U	E	G
Ketones	U	U	—	—
Kraft Liquor (Paper industry)	E	E	—	—
Lacquer Thinners	L	U	G	—
Lactic Acid 28 Pct.	E	E	U	U
Lard (marginal)	G	L	—	—
Lard Oil	E	G	E	G
Lauric Acid	E	E	L	U
Lauryl Chloride	E	E	E	G
Lauryl Sulfate	E	E	—	—
Lead Acetate	E	E	E	E
Lead Arsenate	—	—	—	—
Lead Nitrate	—	—	—	—
Lead Tetra-ethyl	—	—	—	—
Lemon Juice	E	G	—	—
Lime Sulfur	E	E	—	—
Linoleic Acid	E	E	L	U
Linseed Oil	E	E	E	E
Liquors (Chemical)	E	G	—	—
Lubricating Oils	U	U	E	E
Magnesium Carbonate	E	E	E	E
Magnesium Chloride	E	E	G	L
Magnesium Hydroxide	E	E	G	L
Magnesium Nitrate	E	E	E	E
Magnesium Sulfate	E	E	E	E
Maleic Acid 25 Pct. Aqueous	E	E	L	U
Maleic Acid 50 Pct.	—	—	—	—
Maleic Acid Concentrated	—	—	—	—
Malic Acid	E	E	L	U
Manganese Suphate	—	—	—	—
Mayonnaise	E	E	—	—
Mercuric Chloride	G	G	G	L
Mercuric Cyanide	G	G	—	—
Mercurous Nitrate	G	G	G	G
Mercury	G	G	—	—
Metallic Soaps	—	—	—	—
Methyl Acetate	U	U	—	—
Methyl Alcohol	L	U	L	U
Methyl Bromide	U	U	—	—
Methyl Chloride	U	U	U	U
Methyl Ethyl Ketone	U	U	L	U
Methyl Isobutyl Ketone	U	U	—	—
Methyl Sulfate	E	G	E	G
Methyl Sulfuric Acid	E	E	U	U
Methylated Spirit	—	—	—	—
Methylene Chloride	U	U	U	U
Milk	E	E	—	—
Mineral Oils	E	G	E	E
Mineral Spirits	—	—	—	—
Molasses	E	E	E	E
Monochlorobenzene	U	U	—	—
Naphtha	U	U	E	E
Napthalene	L	U	—	—
Nickel Acetate	E	E	E	E
Nickel Chloride	E	E	E	E
Nickel Nitrate	E	E	E	E
Nickel Sulphate	E	E	E	E
Nicotine	E	E	E	E
Nicotine Acid	E	G	L	U
Nitric Acid (Anhydrous)	U	U	U	U
Nitric Acid 10 Pct.	E	G	U	U
Nitric Acid 25 Pct.	G	L	U	U
Nitric Acid 35 Pct.	G	L	U	U
Nitric Acid 40 Pct.	G	L	U	U
Nitric Acid 50 Pct.	—	—	—	—
Nitric Acid 60 Pct.	G	U	U	U
Nitric Acid 68 Pct.	L	U	U	U
Nitric Acid 70 Pct.	U	U	—	—
Nitrobenzene	U	U	U	U
Nitrous Oxide	E	E	E	E
Oats	E	U	—	—
Octyl Alcohol	—	—	—	—
Oils and Fats	E	G	E	E
Oils, Petroleum	E	G	E	E
Oleic Acid	G	L	U	U

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Oleum	U	U	U	U
Olives	E	E	—	—
Orange Juice	E	E	—	—
Oxalic Acid	E	E	U	U
Oxygen	E	E	E	E
Ozone	L	U	—	—
Palmitic Acid 10 Pct.	E	G	U	U
Palmitic Acid 70 Pct.	L	U	U	U
Paraffin	E	G	—	—
Peaches	E	E	—	—
Peanut Butter	E	G	—	—
Peas	E	E	—	—
Pentachlorophenol in Oil	G	L	—	—
Pentane	G	U	—	—
Peracetic Acid 40 Pct.	U	U	U	U
Perchloric Acid 10 Pct.	G	L	U	U
Perchloric Acid 70 Pct.	L	U	U	U
Perchlorethylene	U	U	—	—
Petrol	U	U	—	—
Petroleum Ether	L	L	—	—
Phenol	U	U	U	U
Phenylhydrazine	U	U	—	—
Phenylhydrazine Hydrochloride	L	U	—	—
Phosgene (Gas)	E	G	—	—
Phosgene (Liquid)	U	U	—	—
Phosphoric Acid — 0-25 Pct.	E	E	U	U
Phosphoric Acid — 25-50 Pct.	E	E	U	U
Phosphoric Acid — 50-90 Pct.	E	E	U	U
Phosphorus (Yellow)	G	L	—	—
Phosphorus Pentoxide	U	U	—	—
Phosphorus Trichloride	U	U	—	—
Photographic Chemicals	E	E	E	G
Photographic Developers	—	—	—	—
Photographic Emulsions	—	—	—	—
Photographic Fixers	—	—	—	—
Picric Acid	U	U	U	U
Pineapple Juice	E	E	—	—
Pitch	G	L	—	—
Plating Solutions	—	—	—	—
Brass	E	E	E	E
Cadmium	E	E	E	E
Chromium	G	G	G	G
Copper	E	E	E	E
Gold	E	E	E	E
Judium	E	E	E	E
Lead	E	E	E	E
Nickel	E	E	E	E
Rhodium	E	E	E	E
Silver	E	E	E	E
Tin	E	E	E	E
Zinc	E	G	E	E
Potassium Acid Sulfate	E	E	E	E
Potassium Antimonate	E	E	E	E
Potassium Bicarbonate	E	E	E	E
Potassium Bichromate	E	E	E	E
Potassium Bisulfite	E	E	E	E
Potassium Bisulphate	—	—	—	—
Potassium Borate 1 Pct.	E	E	E	E
Potassium Bromate 10 Pct.	E	E	E	E
Potassium Bromide	E	E	E	E
Potassium Carbonate	E	E	E	E
Potassium Chlorate	E	E	G	G
Potassium Chloride	E	E	E	G
Potassium Chromate 40 Pct.	E	E	G	G
Potassium Cuprocyanide	E	E	—	—
Potassium Cyanide	E	E	E	E
Potassium Dichromate 40 Pct.	E	E	G	G
Potassium Ferricyanide	E	E	E	E
Potassium Fluoride	E	E	E	G
Potassium Hydroxide 10 Pct.	E	E	L	U
Potassium Hydroxide 20 Pct.	E	E	U	U
Potassium Hydroxide 35 Pct.	E	E	U	U
Potassium Hydroxide Conc.	—	—	—	—
Potassium Hypochlorite	G	L	U	U
Potassium Nitrate	E	E	E	E
Potassium Perborate	E	E	E	E

PVC and Polyurethane Chemical Resistance Guide

Key: E — Excellent G — Good L — Limited U — Unsatisfactory

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Potassium Perchlorite	E	E	G	L
Potassium Permanganate 10 Pct.	G	G	G	L
Potassium Persulfate	E	E	E	E
Potassium Phosphate	—	—	—	—
Potassium Sulfate	E	E	E	E
Potassium Sulfide	E	E	E	E
Potassium Thiosulfate	E	E	E	E
Potatoes	E	E	—	—
Propane	E	E	E	E
Propargyl Alcohol	E	E	—	—
Propyl Alcohol	E	L	G	L
Propylene Dichloride	U	U	U	U
Propylene Glycol	U	U	U	U
Prune Juice	E	E	—	—
Raisins	E	E	—	—
Ritchfield "A" Weed Killer	E	L	—	—
Salicylic Acid	—	—	—	—
Salt Water	E	E	G	U
Selenic Acid	E	G	U	U
Shortening	G	L	—	—
Silicic Acid	E	E	U	U
Silicone Fluids	—	—	—	—
Silver Cyanide	E	E	E	E
Silver Nitrate	E	E	E	E
Silver Plating Solutions	E	G	E	E
Soap Solution	E	E	G	U
Soda	E	E	—	—
Sodium Acetate	E	E	E	E
Sodium Acid Sulfate	E	E	E	E
Sodium Aluminate	—	—	—	—
Sodium Antimonate	E	E	E	E
Sodium Arsenite	E	E	E	E
Sodium Benzoate	E	G	E	E
Sodium Bicarbonate	E	E	E	E
Sodium Bisulfate	E	E	E	E
Sodium Bisulfite	E	E	E	E
Sodium Bromide	E	E	E	G
Sodium Carbonate (Soda Ash)	E	E	E	E
Sodium Chlorate	G	L	G	G
Sodium Chloride	E	E	E	G
Sodium Cyanide	E	E	E	E
Sodium Dichromate	E	G	E	G
Sodium Ferricyanide	E	E	E	E
Sodium Ferrocyanide	E	E	E	E
Sodium Fluoride	E	E	E	G
Sodium Hydroxide 10 Pct.	E	E	L	U
Sodium Hydroxide 35 Pct.	E	G	U	U
Sodium Hydroxide 50 Pct.	E	L	—	—
Sodium Hydroxide Saturated	E	E	U	U
Sodium Hypochlorite	E	E	U	U
Sodium Nitrate	E	E	E	E
Sodium Nitrite	E	E	E	E
Sodium Phosphate-Acid	G	G	U	U
Sodium Silicate	E	E	E	E
Sodium Sulfate	E	E	E	E
Sodium Sulfide	E	E	E	E
Sodium Sulfite	E	E	E	E
Sodium Thisulfate (Hypo)	E	E	E	G
Soya Beans	E	U	—	—
Soya Oil	E	G	—	—
Soybean Oil	E	E	—	—
Spinach	E	E	—	—
Squash	E	E	—	—
Stannic Chloride	E	E	E	G
Stannous Chloride	E	G	E	G
Starch	—	—	—	—
Stearic Acid	E	G	L	U
Stoddard Solvent	L	U	G	G
Styrene	U	U	—	—
Sucrose	—	—	—	—
Sugar (All Forms)	E	E	—	—
Sulfur	G	G	—	—
Sulfuric Acid 0-10 Pct.	E	G	L	U
Sulfuric Acid 10-40 Pct.	E	G	U	U
Sulfuric Acid 50-60 Pct.	E	G	U	U
Sulfuric Acid 70 Pct.	E	G	U	U

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Sulfuric Acid 95 Pct.	U	U	U	U
Sulfuric Acid 95 Pct. to Fuming	L	L	U	U
Sulfurous Acid	G	L	U	U
Sulphur Dioxide Gas-Dry	E	E	—	—
Sulphur Dioxide Gas-Wet	U	U	—	—
Sulphur Dioxide-Liquid	L	U	—	—
Sulphur Trioxide	E	G	—	—
Sulphurous Acid 10 Pct.	—	—	—	—
Sulphurous Acid 30 Pct.	—	—	—	—
Tall Oil	U	U	—	—
Tallow	—	—	—	—
Tannic Acid	E	E	L	U
Tanning Extracts	—	—	—	—
Tanning Liquors	E	E	—	—
Tartaric Acid	E	G	L	U
Tea (Brewed)	E	E	—	—
Tetraethyl Lead	G	L	G	G
Tetrahydrofurane	U	U	U	U
Tetrahydronaphihalene	—	—	—	—
Thionyl Chloride	U	U	U	U
Tin Chloride	E	E	E	E
Titanium Tertachloride	E	U	L	U
Titanium Trichloride	—	—	—	—
Toluol or Toluene	U	U	L	U
Tomato Juice	E	E	—	—
Tomato Puree & Paste	E	E	—	—
Tomatoes	E	E	—	—
Transformer Oil	—	—	—	—
Tributyl Phosphate	U	U	—	—
Trichlorobenzene	—	—	—	—
Trichloroethylene	U	U	L	U
Tricresyl Phosphate	U	U	U	U
Triethanolamine	L	U	—	—
Triethylamine	G	L	—	—
Trimethyl Propane	L	U	—	—
Trisodium Phosphate	E	E	E	E
Turpentine	L	U	E	G
Urea	E	G	E	E
Urine	E	E	E	E
Vanilla Extract	—	—	—	—
Varnish	U	U	E	G
Vegetable Oils	G	L	—	—
Vinegar	E	G	G	L
Vinyl Acetate	U	U	U	U
Vinyl Chloride	U	U	—	—
Vodka	E	G	—	—
Water-Acid Mine Water	E	E	G	U
Water-Distilled	E	E	G	U
Water-Fresh	E	E	G	U
Water-Salt	E	E	G	U
Wetting Agents	—	—	—	—
Whey	—	—	—	—
Whiskey	E	G	—	—
White Gasoline	E	E	E	G
White Liquor (Paper industry)	E	E	—	—
Wines	E	G	—	—
Xylene or Xylol	U	U	G	L
Yeast	E	U	—	—
Yogurt	E	G	—	—
Zinc Chloride	E	E	E	E
Zinc Chromate	E	E	E	E
Zinc Cyanide	E	E	E	E
Zinc Nitrate	E	E	E	E
Zinc Sulfate	E	E	E	E
Mixtures of Acids:				
Nitric 15 Pct., Hydrofluoric 4 Pct.	E	G	U	U
Sodium Dichromate 13 Pct., Nitric Acid 16 Pct., Water 71 Pct.	E	G	U	U

EPDM Chemical Resistance Guide

Key: G — Good L — Limited U — Unsatisfactory

Material Handled	68°F	104°F
Acetic Acid	G	G
Acetone	G	G
Aluminum Acetate	G	G
Aluminum Chloride	G	G
Aluminum Hydroxide	G	G
Aluminum Sulfate	G	G
Ammonia (Gas)	G	G
Ammonia (Liquid)	G	G
Ammonium Acetate (Conc.)	G	G
Ammonium Chloride	G	G
Ammonium Hydroxide	G	G
Ammonium Nitrate	G	G
Aniline	L	L
Aniline Sulfate	U	U
Barium Chloride	G	G
Barium Hydroxide	G	G
Beer	G	G
Benzen Alcohol	L	L
Benzene	U	U
Bromine	U	U
Butyl Alcohol	L	L
Calcium Carbonate	G	G
Calcium Chloride (Conc.)	G	G
Calcium Hyprocholite (Conc.)L	L	
Carbon Monoxide	G	G
Carbon Tetrachloride	L	L
Carbonic Acid	G	G
Carbonic Acid Gas	G	G
Cetyl Alcohol	L	L
Chlorine - 10% Gas	L	L
- 100% Gas	L	L
(Solution)	L	L
Chloroform	U	U
Chromate (Plating Solution)	L	L
Citric Acid	G	G
Copper Chloride	G	G
Copper Nitrate	G	G
Copper Sulfate	G	G
Creosote Oil	U	U

Material Handled	68°F	104°F
Development Sol.	L	L
Dextrin	G	G
Dichlorethylene	U	U
Dichloro Benzene	U	U
Diethyl Ether	G	G
Emulsifier	G	G
Ether	G	G
Ethyl Acetate	L	L
Ethyl Alcohol - 6%	G	G
- 100%	G	G
Ethylene Chloride	L	L
Ethylene Glycol	G	G
Fluorine	U	U
Glycerol	G	G
Grape Sugar	G	G
Hormamide- 40%	G	G
Hydrochloric Acid - 10%	G	L
- 20%	G	L
Concentrate	G	L
Hydrogen	G	G
Hydrogen Chloride (Anhydrous)	G	L
Hydrogen Peroxide - 3%	U	U
- 30%	U	U
(Above 80%)	U	U
Hydrogen Sulfide	G	G
Iodine	U	U
Iron Chloride	G	G
Iron Sulfate	G	G
Isopropyl Alcohol	G	G
Magnesium Carbonate	G	G
Magnesium Chloride	G	G
Magnesium Hydroxide	G	G
Magnesium Sulfate	G	G
Methanol - 20%	G	G
Methyl Alcohol- 6%	G	G
- 100%	G	G
Methyl Ethel Ketone	G	G
Methylene Chloride	L	L
Mineral Oil	U	U

Material Handled	68°F	104°F
Monochloro Benzene	U	U
Nitric Acid - 5%	L	L
- 50%	L	L
- 70%	U	U
- 95%	U	U
Oleic Acid	L	L
Ozone	G	G
Parraffin	U	U
Perchlorethylene	U	U
Phenol	L	L
Phosphoric Acid - 30%	G	G
Photosensitive Emulsion	G	G
Potassium Bichromate	U	U
Potassium Bromide	G	G
Potassium Chloride	G	G
Potassium Cyanide	G	G
Potassium Fluoride	G	G
Potassium Hydroxide - 10%	G	G
(Conc.)	G	G
Potassium Permanganate	U	U
Potassium Phosphate	G	G
Propylene Glycol	G	G
Sake (Alcohol)	G	G
Salt Water	G	G
Sauce	G	G
Sodium Bicarbonate	G	G
Sodium Chloride	G	G
Sodium Hydroxide - 10%	G	G
(Conc.)	G	G
Sodium Hypoclorite - 15%	G	G
Soy Sauce	G	G
Stearic acid	L	L
Sulfur Dioxide	U	U
Sulfuric Acid	L	L
Sulfurous Acid - 30%	L	L
Tetrahydrofuron	L	L
Toluene	U	U
Transformer Oil	U	U
Water	G	G
Zinc Chloride	G	G

SBR Chemical Resistance Guide

Key: G — Good L — Limited U — Unsatisfactory

Material Handled	68ºF
1,1-dichloroethylene	U
1,2-dichloroethane	U
Acetic Acid (10%)	L
Acetone	L
Aluminum Acetate	L
Aluminum Chloride	G
Aluminum Hydroxide	G
Aluminum Sulfide	L
Ammonia (Gas)	G
Ammonia (Liquid)	G
Ammonium Acetate (Conc.)	G
Ammonium Bicarbonate	G
Ammonium Chloride	G
Ammonium Hydroxide	U
Ammonium Nitrate	G
Aniline	U
Aniline Sulfate	U
Barium Chloride	G
Barium Hydroxide	G
Beer	L
Benzene	U
Benzyl Alcohol	U
Bromine	U
Butyl Alcohol	G
Calcium Carbonate	G
Calcium Chloride (Conc.)	G
Calcium Chloride (in 20% Mesh)	G
Calcium Hypochlorite (15% Cl2)	U
Calcium Hypochlorite (Conc.)	U
Carbon Dioxide	U
Carbon Monoxide	L
Carbon Tetrachloride	U
Carbonic Acid	L
Carbonic Acid Gas	G
Cetyl Alcohol	L
Chlorine (10% Gas)	U
Chlorine (100% Gas)	U
Chlorine (Solution)	U
Chloroform	U

Material Handled	68ºF
Chromate (25%)	U
Citric Acid	G
Copper Chloride	G
Copper Nitrate	G
Copper Sulfate	L
Creosote Oil	U
Dextrin	G
Dichlorobenzene	U
Dichloromethane	U
Diethyl Ether	U
Emulsifier	G
Ether	L
Ethyl Acetate	U
Ethyl Alcohol (100%)	G
Ethyl Alcohol (6%)	G
Ethylene Glycol	G
Fluorine	U
Formaldehyde (40%)	L
Glycerol	G
Grape Sugar	G
Hydrochloric Acid (10%)	L
Hydrochloric Acid (20%)	L
Hydrochloric Acid (Conc.)	L
Hydrogen	L
Hydrogen Chloride (Anhydride)	L
Hydrogen Peroxide (3%)	U
Hydrogen Peroxide (30%)	U
Hydrogen Peroxide (80% or more)	U
Hydrogen Sulfide	U
Iodine	U
Iron Chloride	G
Iron Sulfate	G
Isopropyl Alcohol	L
Magnesium Carbonate	G
Magnesium Chloride	G
Magnesium Hydroxide	L
Magnesium Sulfate	L
Methyl Alcohol (100%)	G
Methyl Alcohol (6%)	G

Material Handled	68ºF
Methyl Ethyl Ketone (MEK)	U
Mineral Oil	U
Monochlorobenzene	U
Nitric Acid (5%)	U
Nitric Acid (50%)	U
Nitric Acid (70%)	U
Nitric Acid (95%)	U
Nitrous Acid (10%)	L
Oleic Acid	U
Oxalic Acid	L
Ozone	U
Paraffin	U
Perchloroethylene	U
Phenol	U
Phosphoric Acid (30%)	U
Potassium Bichromate	U
Potassium Bromide	G
Potassium Chloride	G
Potassium Cyanide	G
Potassium Fluoride	G
Potassium Hydroxide (10%)	L
Potassium Hydroxide (Conc.)	L
Potassium Permanganate	U
Potassium Sulfate	G
Propylene Glycol	L
Sake	G
Salt Water	G
Sodium Bicarbonate	G
Sodium Chloride	G
Sodium Hydroxide (10%)	G
Sodium Hydroxide (Conc.)	G
Soy Sauce	G
Stearic Acid	L
Sulfuric Acid (10%)	U
Tetrahydrofuran	U
Toluene	U
Transformer Oil	U
Water	G
Zinc chloride	G

Tigerflex™ Products Custom Inquiry Form

Company Profile

Company Name _____ Contact _____

Address _____ City _____ State _____ Zip _____

Phone _____ Fax _____ E-mail _____

Application Details

Application _____

_____ Indoor ❑ Outdoor ❑

Material conveyed _____ Solid ❑ Liquid ❑ Gas ❑

Type of fittings to be used _____

Hose Construction

Hose style:

- Smooth profile (e.g. F series): ❑
- Convoluted profile (e.g. W series): ❑
- Externally reinforced (e.g. GT series): ❑
- Other: ❑ Describe _____

Similar to existing Tigerflex™ hose part number(s) (if applicable) _____

Flex material _____ Flex color _____ Food Grade? Yes ❑ No ❑

Helix material _____ Helix color _____ Food Grade? Yes ❑ No ❑

Yarn reinforcement? Yes ❑ No ❑ Polyurethane liner? Yes ❑ No ❑ Grounding wire? Yes ❑ No ❑

Hose size(s) (ID) _____

Required working pressure _____ PSI @ 68° F Required vacuum rating _____in/g @ 68° F

Required bending radius _____ in Required hose weight _____ lbs

Hose Length _____ ft Tolerance +/-_____ in

Approvals required? _____

Other requirements _____

Delivery Information

Estimated annual volume _____ Reoccurring? Yes ❑ No ❑ Required ship date _____

Special packaging or shipping requirements _____

Submit to:

Fax: (847) 885-9010 • Email: customerservice@kuriyama.com • Submission date _____

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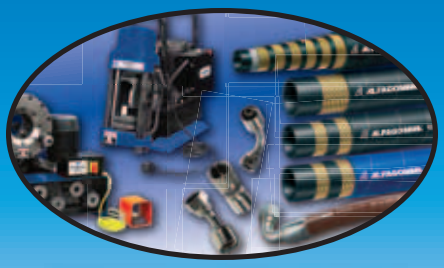

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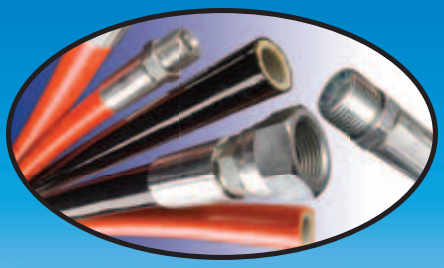

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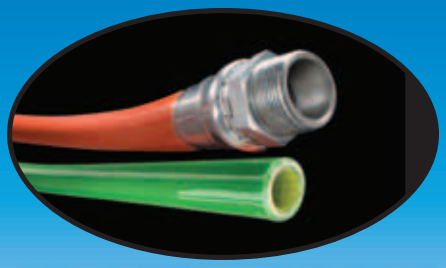

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09/2005

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Features & Advantages Catalog Icon Guide

Abrasion Resistant – Indicates hoses designed to help resist internal wear caused by the transfer of abrasive materials.

Abrasion Resistant Plus – Indicates hoses designed to help resist internal wear caused by the transfer of highly abrasive materials.

"Cold-Flex" Materials – Indicates hoses formulated to remain flexible in sub-zero temperatures.

Easy Slide – Indicates hoses with an external rigid helix designed to slide easily over rough surfaces. Easy-to-handle.

Food Grade – Indicates hoses which comply with applicable FDA requirements for food contact. Several of these hoses also meet USDA and 3-A requirements.

Oil Resistant – Indicates hoses which exhibit resistance to animal and petroleum based oils.

Static Dissipative – Indicates hoses formulated with static dissipative compounds or hoses containing a grounding wire to help prevent the build-up of static electricity.

Transparent Construction – Indicates hoses with a transparent or semi-transparent tube. These hoses allow the user visual confirmation of material flow, and the ability to see if material or condensation has collected in the hose tube.

Water – Indicates hoses which can be used for freshwater and saltwater transfer.

Features & Advantages Guide By Hose Series

	ABRASION RESISTANT	ABRASION RESISTANT PLUS	"COLD-FLEX" MATERIALS	EASY SLIDE	FOOD GRADE	OIL RESISTANT	STATIC DISSIPATIVE	TRANSPARENT CONSTRUCTION	WATER
Food Grade:									
2001		X			X	X	X	X	
2020		X	X	X	X	X	X	X	
FT					X			X	X
GTF				X	X			X	X
GTFE				X	X		X	X	X
MILK					X			X	X
MILK-LT			X		X			X	X
UVF	X		X	X	X	X		X	
VOLT/VLT-SD		X	X	X	X	X	X	X	
WBS	X				X		X	X	X
WE	X				X		X	X	X
WSTF				X	X			X	X
WT	X				X			X	X
Material Handling:									
AMPH		X	X			X	X		X
BARK	X			X				X	X
GC/GC-C	X		X			X		X	
MULCH	X							X	X
MULCH-LT	X		X					X	X
PF		X	X	X		X	X	X	
TR1/TR2		X	X				X		X
UBK		X	X	X		X	X		
UF1		X	X			X	X		
UF2		X	X			X	X		
UFC		X	X			X	X	X	
UV-2	X		X	X		X	X	X	
UV-3		X	X	X		X	X	X	
UVPE	X		X			X	X	X	
Ducting:									
CG/CG-SL				X				X	X
GT				X				X	X
GTG				X					X
LK	X		X	X					X
LKC	X		X	X				X	X
UV1	X		X	X		X		X	
Liquid Suction:									
BW			X					X	X
CF	X		X				X		X
F/G/S								X	X
H/J/K								X	X
MH									X
ORV						X			X
OV		X	X			X		X	
SPA									X
TG/TY/TRED/TBLU			X	X					X
TRS		X	X				X		X
TSD			X	X					X
W			X					X	X
WG									X
WH/SH			X					X	X
WOR						X			X
WST								X	X

NOTE: For details regarding the features & advantages listed, refer to the catalog page for each product.

Application Guide

✚ = Primary Applications
✔ = Secondary Applications

	Food Grade												Material Handling												
	2001	2020	FT	GTF/ GT FE	MILK/ MILK-LT	UVF	VLT-SD	VOLT	WBS	WE	WSTF	WT	AMPH	BARK	GC/ GC-C	MULCH/ MULCH-LT	PF	TR1/ TR2	UBK	UF1	UF2	UFC	UV2	UV3	UVPE
Agricultural dry fertilizers													✚						✚	✚		✚	✚		
Agricultural liquid fertilizers																									
Agri-foam systems																									
Air seeder lines													✚						✚	✚		✚	✚		
Bulk truck and railcar unloading	✔	✚					✚	✚		✔		✔					✚	✔		✔	✔				
Cable and hose bundle protection																									
Concrete resurfacing dust collection																							✔		
Drain lines												✔													
Ducting, ventilation & fume removal				✚		✚																			
Dust collection				✔		✚																	✚	✚	
Fish suction											✔														
Fly ash collection								✚					✚					✚	✚	✚	✚				
Food grade blower and ducting systems				✚		✚																			
Food grade liquids - water, beer, wine and juice			✚		✚						✚	✚													
Food grade material handling - heavy duty abrasive	✚	✚					✚	✚	✔	✔		✔													
Food grade material handling - standard duty	✔	✔	✔	✔		✔	✔	✔	✚	✚	✚	✚													
Gold dredging																✔									
Hydro excavation													✚					✚							
Ice transfer			✚	✔	✚						✚	✔													
Industrial vacuum equipment	✔	✔					✚	✚	✔	✔		✔	✚					✚	✚	✚	✚	✚		✔	✔
Insulation blowing																							✔	✔	
Irrigation lines																									
Lawn and leaf collection														✚	✔	✔									
Liquid manure handling																									
Marine bilge discharge																									
Marine plumbing																									
Material chutes	✔	✔		✔		✔	✚	✚	✔	✔		✔	✔				✔	✔	✔	✚	✚	✚	✚	✔	✔
Material handling - heavy duty abrasive	✚	✚					✚	✚	✔	✔		✔	✚		✚		✚	✚	✚	✚	✚	✚	✔	✚	✚
Material handling - standard duty	✔	✔	✔	✔		✔	✔	✔	✚	✚		✚	✔	✚	✚	✚		✚	✔	✔	✔	✔	✚	✔	✚
Material handling - light duty				✚		✔			✔	✔		✔													
Milk and dairy product transfer			✚		✚																				
Milling machine scrap recovery							✚	✚					✚				✚	✚	✚	✚	✚	✚		✚	✔
Mining applications (MSHA)																									
Mulch, bark, wood chips, other surfacing materials														✚	✚	✚									
Oil skimming																									
Oil sluries													✔												
Oil suction		✔					✔	✔					✔				✔		✔	✔	✔	✔	✔	✔	✔
Pharmaceutical product transfer	✚			✚		✚		✚	✚	✚	✔	✚													
Plastic processing equipment	✚	✔	✔	✔		✔	✚	✚	✚	✚		✚					✚		✔	✔		✚		✚	✚
Pneumatic conveying systems	✚		✔				✚	✚	✚	✚		✚													
Poultry processing			✚		✔							✚													
Pumps, rental and construction dewatering																									
Pumps, trash																									
Recreational vehicle (RV) pluming																									
Rock dusting																									
Rock, gravel, sand and crushed concrete vacuuming													✚				✔	✚	✚	✚	✚			✔	✔
Septic and wastewater handling																									
Sewer truck boom hose													✚					✚	✔	✔	✔				
Shot blast recovery													✚					✚	✚	✚	✚	✚		✔	
Slurry handling													✚					✚							
Soil, seed and compost delivery														✚	✚	✚									
Spa, pool and hot tub pluming																									
Suction and discharge		✚					✚				✚														
Wand hose														✔				✚	✔				✚		
Water suction - heavy duty			✚								✚		✔					✔			✔				
Water suction - standard duty			✔		✚				✔		✔	✔													

CAUTION NOTE: This application guide provides information on typical hose applications. Actual results may vary due to variances in the operating conditions involving temperature, chemical resistance, working pressure, etc. Please refer to the specifications printed for each product in this catalog, along with information regarding chemical resistance and our Cautionary Statement, to better insure successful results.

Application Guide

✚ = Primary Applications
✔ = Secondary Applications

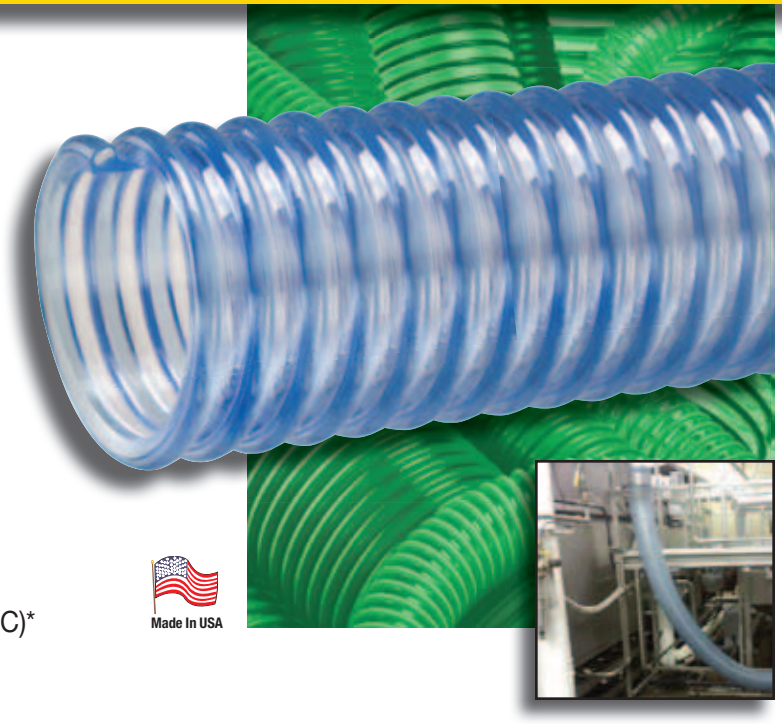
	Ducting				Liquid Suction													
	CG/ CG-SL	GT/ GTG	LK/ LKC	UV1	BW	CF	F/G/S	H/J/K	MH	OV	SPA	TG/TY/ TRED/ TBLU	TRS	TSD	W	WG	WH/ SH	WOR/ ORV	WST
Agricultural dry fertilizers						✔	✔	✔											
Agricultural liquid fertilizers					✔	✔	✔	✚				✚		✚	✔	✔			
Agri-foam systems						✔	✔	✔				✔		✚					
Air seeder lines						✔	✔	✚											
Bulk truck and railcar unloading																			
Cable and hose bundle protection	✚	✔	✔														✔		
Concrete resurfacing dust collection				✚															
Drain lines	✔	✚			✔		✔	✚	✚		✚				✔	✔	✚		
Ducting, ventilation & fume removal	✔	✚	✔	✚															
Dust collection	✔	✚	✚	✚													✚		
Fish suction					✔										✚	✚			✚
Fly ash collection																			
Food grade blower and ducting systems																			
Food grade liquids - water, beer, wine and juice																			
Food grade material handling - heavy duty abrasive																			
Food grade material handling - standard duty																			
Gold dredging					✔										✚	✚	✚		✔
Hydro excavation																			
Ice transfer					✔	✔									✔				
Industrial vacuum equipment																			
Insulation blowing		✔		✚											✔	✔	✔		
Irrigation lines					✔	✚	✚	✚				✚	✚	✔	✔	✔			✚
Lawn and leaf collection		✔	✚	✔													✔		
Liquid manure handling						✔						✚	✔	✚					
Marine bilge discharge					✔	✔		✔	✚			✚	✔	✔			✔		
Marine plumbing									✚										
Material chutes		✔	✔	✚						✚									
Material handling - heavy duty abrasive										✚			✚						
Material handling - standard duty		✔	✔	✚		✚				✔					✔	✔			
Material handling - light duty		✚	✚	✔													✔		
Milk and dairy product transfer																			
Milling machine scrap recovery										✔									
Mining applications (MSHA)	✚							✚											
Mulch, bark, wood chips, other surfacing materials		✔	✔																
Oil skimming										✔								✚	
Oil sluries										✔								✚	
Oil suction										✚								✚	
Pharmaceutical product transfer																			
Plastic processing equipment																			
Pneumatic conveying systems																			
Poultry processing																			
Pumps, rental and construction dewatering					✚	✚	✚	✚				✚	✚	✚	✚	✚			✚
Pumps, trash					✚	✚	✚	✚				✚	✚	✚	✚	✚			✚
Recreational vehicle (RV) pluming									✚								✔		
Rock dusting							✔	✚								✚			
Rock, gravel, sand and crushed concrete vacuuming																			
Septic and wastewater handling					✔	✔						✚	✚	✚					
Sewer truck boom hose																			
Shot blast recovery																			
Slurry handling					✔	✚	✔						✚	✔	✚		✔		
Soil, seed and compost delivery			✔																
Spa, pool and hot tub pluming											✚								
Suction and discharge														✚					✚
Wand hose			✔	✔															
Water suction - heavy duty					✔	✚	✚	✔					✚	✚	✚	✚			✚
Water suction - standard duty					✚	✔	✔	✚	✔	✔	✔	✚	✔	✔	✔	✔	✚	✔	✔

tigerflex®

ABRASION RESISTANT | FOOD GRADE | TRANSPARENT CONSTRUCTION | WATER

WT™ Series

Food Grade PVC Material Handling Hose



Made In USA

General Applications:

- Food grade liquids such as potable water, beer, wine and juice
- Food grade material handling – standard duty
- Material handling – standard duty
- Pharmaceutical product transfer
- Plastic processing equipment
- Pneumatic conveying equipment
- Poultry processing

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Superior Product Design –** Tigerflex™ WT™ series hoses are an industry standard for pneumatic material handling due to our specially engineered compound, innovative design and uncompromising quality control. Provides the ideal combination of light weight, flexibility and durability.
- **Food Grade Materials –** Hose complies with applicable FDA(03) and 3-A(01) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
WT100	1	25.4	1.30	33.0	55	30	28	28	2	100/50	0.21
WT125	1 1/4	31.7	1.60	40.6	50	25	28	28	2	100/50	0.28
WT150	1 1/2	38.1	1.92	48.8	50	25	28	28	3	100/50	0.35
WT200	2	50.8	2.40	61.0	40	20	28	24	4	100/50	0.56
WT225	2 1/4	57.2	2.74	69.6	40	20	28	24	4.5	100/50	0.65
WT250	2 1/2	63.5	2.99	75.9	40	20	28	24	5	100/50	0.77
WT300	3	76.2	3.64	92.5	40	20	28	24	6	100/50	1.10
WT350	3 1/2	88.9	4.21	107.0	35	18	28	24	8	100/50	1.48
WT400	4	101.6	4.72	120.0	35	18	24	22	10	100/50	1.80
WT500	5	127.0	5.74	145.8	30	15	24	22	16	100/50/20	2.34
WT600	6	152.4	6.91	175.5	30	15	24	22	18	100/50/20	3.70
WT800	8	203.2	8.97	227.8	20	10	20	18	36	50/20	5.53
WT45M	1.77	45.0	2.09	53.0	45	25	28	24	4	50	0.44
WT57M	2.24	57.0	2.68	68.0	40	20	28	24	4.5	50	0.64

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

3A(01), BSE/TSE(02), FDA(03), RoHS(10), USDA(11)

AR ABRASION RESISTANT | FOOD GRADE | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION | WATER

tigerflex®

Made In USA

WE™ Series

Food Grade PVC Material Handling Hose With Grounding Wire

General Applications:

- Food grade material handling – standard duty
- Material handling – standard duty
- Pharmaceutical product transfer
- Plastic processing equipment
- Pneumatic conveying equipment

Construction: PVC tube with rigid PVC helix and grounding wire.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Superior Product Design –** Tigerflex™ WE™ series hoses are an industry standard for pneumatic material handling, due to our specially engineered compound, innovative design and uncompromising quality control. Provides the ideal combination of light weight, flexibility and durability.
- **Food Grade Materials –** Hose complies with applicable FDA(03) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **Grounding Wire –** Multi-strand wire helps prevent the build-up of static electricity for added safety and to help keep material flowing smoothly. It's embedded within the rigid helix to prevent contamination of transferred materials.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
WE125	1 1/4	32.0	1.65	42.0	50	25	28	28	2	100/50	0.33
WE150	1 1/2	38.1	1.93	49.0	50	25	28	28	3	100/50	0.43
WE200	2	50.8	2.48	63.0	40	20	28	24	4	100/50	0.58
WE225	2 1/4	57.2	2.80	71.0	40	20	28	24	4.5	100/50	0.65
WE250	2 1/2	63.5	3.07	76.5	40	20	28	24	5	100/50	0.89
WE300	3	76.2	3.64	91.5	40	20	28	24	6	100/50	1.25
WE350	3 1/2	88.9	4.27	108.5	35	18	28	24	8	100/50	1.55
WE400	4	101.6	4.72	120.0	35	18	24	20	10	100/50	1.93
WE500	5	127.0	5.74	146.0	30	15	24	20	16	60/50/20	2.40
WE600	6	152.4	6.81	175.5	30	15	24	20	18	60/50/20	3.70
WE800	8	204.8	9.06	230.0	20	10	20	18	36	20	5.62
WE45M	1.77	45.0	2.20	55.8	45	25	28	24	4	60	0.46
WE57M	2.24	57.0	2.76	70.0	40	20	28	24	4.5	60	0.64

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

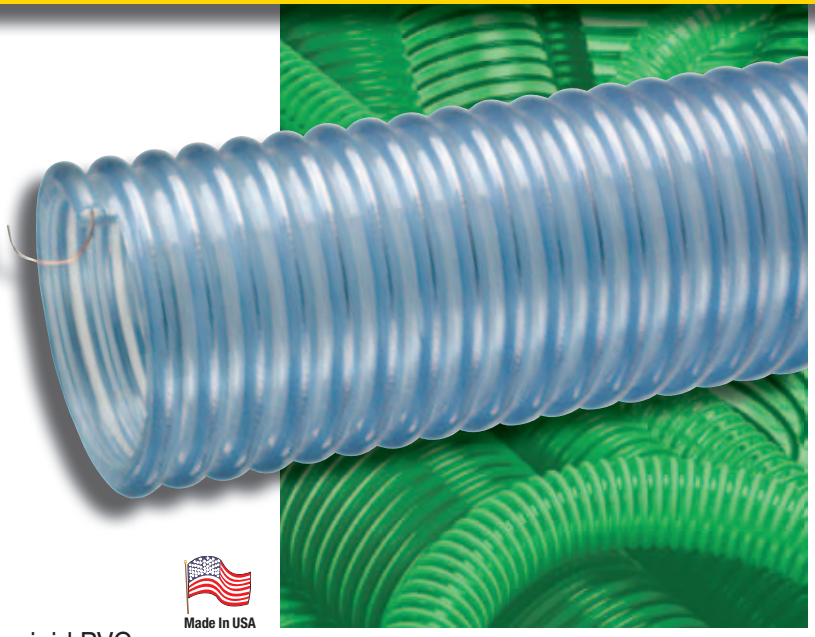
BSE/TSE(02), FDA(03), RoHS(10), USDA(11)

tigerflex®

ABRASION RESISTANT PLUS | FOOD GRADE | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

2001™ Series

Heavy Duty Food Grade Polyurethane Lined Material Handling Hose With Grounding Wire



Made In USA

General Applications:
- Food grade material handling – heavy duty abrasive
- Material handling – heavy duty abrasive
- Pharmaceutical product transfer
- Plastic processing equipment
- Pneumatic conveying equipment

Construction: PVC cover with polyurethane liner, rigid PVC helix and grounding wire.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Extra Thick Abrasion Resistant Polyurethane Liner –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Food Grade Materials –** Hose cover complies with applicable FDA(03) requirements. Hose liner complies with applicable FDA(04) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **Grounding Wire –** Multi-strand wire helps prevent the build-up of static electricity for added safety and to help keep material flowing smoothly. It's embedded within the rigid helix to prevent contamination of transferred materials.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **Oil Resistant Polyurethane Liner –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
2001–150	1½	38.1	1.88	47.8	50	25	Full	28	6	60	0.48
2001–200	2	50.8	2.44	62.0	40	20	Full	28	7	60	0.67
2001–250	2½	63.5	3.12	77.2	40	20	Full	28	8	60	0.92
2001–300	3	76.2	3.70	94.1	40	20	Full	28	9	60	1.35
2001–400	4	101.6	4.80	122.0	35	18	Full	28	15	60/20	2.17
2001–500	5	127.0	5.81	147.6	35	18	28	25	23	60/20	2.77
2001–600	6	152.4	6.93	176.0	30	15	28	25	26	60/20	3.90
2001–700	7	178.8	8.08	205.2	30	15	28	25	30	60/20	5.20
2001–800	8	203.2	9.28	235.8	30	15	28	25	36	20	6.65

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

BSE/TSE(02), FDA(03), FDA(04), RoHS(10), USDA(11)

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | EASY SLIDE | FOOD GRADE | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

tigerflex®

Made In USA

VOLTBUSTER™ Superior Static Protection™

VOLT™ Series

Heavy Duty Food Grade Static Dissipative Polyurethane Material Handling Hose

General Applications:

- Bulk truck and railcar unloading
- Fly ash collection
- Food grade material handling – heavy duty abrasive
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Pharmaceutical product transfer
- Plastic processing equipment
- Pneumatic conveying equipment

Construction: Static dissipative polyurethane tube, rigid helix and grounding wire (patent pending).

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Superior Static Protection! –** A properly grounded Voltbuster™ hose will not retain an electrostatic charge sufficient to create a propagating brush discharge. Hose material, using the embedded grounding wire, shows a charge decay time constant of < 1 second, based on independent lab testing.
- **Food Grade Materials –** Hose tube complies with FDA(05) requirements. Grounding wire embedded in external helix to prevent material contamination.
- **Extra Thick Abrasion Resistant Single-Ply Polyurethane Tube –** Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Transparent Construction –** "See-the-flow". Allows for visual confirmation of material flow.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix –** Rigid helix design protects hose tube from wear; allows hose to slide easily over rough surfaces. Easy to handle.
- **Oil Resistant Polyurethane Tube –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
VOLT150	1-1/2	38.35	1.87	47.5	40	20	Full	28	2	100/60	0.31
VOLT200	2	51.1	2.52	63.9	40	20	Full	28	6	100/60	0.61
VOLT250	2-1/2	63.75	2.96	75.2	40	20	Full	28	7	100	0.76
VOLT300	3	76.2	3.60	91.4	40	20	Full	28	9	100/60	0.91
VOLT400	4	101.6	4.69	121.0	35	17	28	25	12	100/60/20	1.70
VOLT500	5	127.0	5.75	146.8	35	17	28	25	14	60/20	2.13
VOLT600	6	153.4	6.81	173.2	30	15	25	20	16	60/20	2.53
VOLT800	8	203.5	8.76	223.3	30	15	25	20	18	60/20	3.30

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

BSE/TSE(02), FDA(05), RoHS(10)

tigerflex®

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | EASY SLIDE | FOOD GRADE | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

2020™ Series

Heavy Duty Food Grade Polyurethane Fabric Reinforced Material Handling Hose With Grounding Wire

Made In USA

General Applications:

- Bulk truck and railcar unloading
- Food grade material handling – heavy duty abrasive
- Material handling – heavy duty abrasive
- Suction and discharge

Construction: Extra thick double-ply polyurethane tube, polyester fabric reinforcement, rigid PVC helix and grounding wire.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Extra Thick Abrasion Resistant Double-Ply Polyurethane Tube –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Food Grade Materials –** Hose liner complies with applicable FDA(04) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **Fabric Reinforcement –** Designed with high tensile strength, food grade(05), polyester yarn jacket to handle both suction, and higher pressure discharge applications.
- **Grounding Wire –** Multi-strand wire helps prevent the build-up of static electricity for added safety and to help keep material flowing smoothly. It's embedded within the rigid helix to prevent contamination of transferred materials.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **Oil Resistant Polyurethane Tube –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min.Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
2020-300	3	76.2	3.78	96.0	70	35	Full	28	10	100/50/20	1.20
2020-400	4	101.6	4.84	123.0	65	30	Full	28	12	100/50/20	1.60
2020-500	5	127.0	5.79	147.0	45	22	28	25	14	50/25/20	2.45
2020-600	6	152.4	6.93	176.0	40	22	28	25	16	50/25/20	2.86

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

BSE/TSE(02), FDA(04), FDA(05), RoHS(10), USDA(11)

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | EASY SLIDE | FOOD GRADE | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

tigerflex®

Made In USA

VOLTBUSTER™ Superior Static Protection™

VLT-SD™ Series

Heavy Duty Food Grade Static Dissipative Polyurethane Fabric Reinforced Material Handling Hose

General Applications:

- Bulk truck and railcar unloading
- Food grade material handling – heavy duty abrasive
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Plastic processing equipment
- Pneumatic conveying equipment
- Suction and discharge

Construction: Static dissipative polyurethane tube, polyester fabric reinforcement, rigid helix and grounding wire (patent pending).

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Superior Static Protection! –** A properly grounded Voltbuster™ hose will not retain an electrostatic charge sufficient to create a propagating brush discharge. Hose material, using the embedded grounding wire, shows a charge decay time constant of < 1 second, based on independent lab testing.
- **Food Grade Materials –** Hose tube complies with FDA(05) requirements. Grounding wire embedded in external helix to prevent material contamination.
- **Extra Thick Abrasion Resistant Double-Ply Polyurethane Tube –** Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Fabric Reinforcement –** Designed with high tensile strength, food grade FDA(06), polyester yarn jacket to handle both suction, and higher pressure discharge applications.
- **Transparent Construction –** "See-the-flow". Allows for visual conformation of material flow.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix –** Rigid helix design protects hose from wear; allows hose to slide easily over rough surfaces. Easy to handle.
- **Oil Resistant Polyurethane Tube –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
VLT-SD300	3	77.0	3.78	96.0	70	35	Full	28	12	100/20	1.22
VLT-SD400	4	102.2	4.84	123.0	65	30	Full	28	13	100/60/20	1.85
VLT-SD500	5	128.0	5.79	152.0	45	22	28	25	14	60/20	2.43
VLT-SD600	6	153.4	6.93	177.4	40	22	28	25	17	60/20	3.05

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

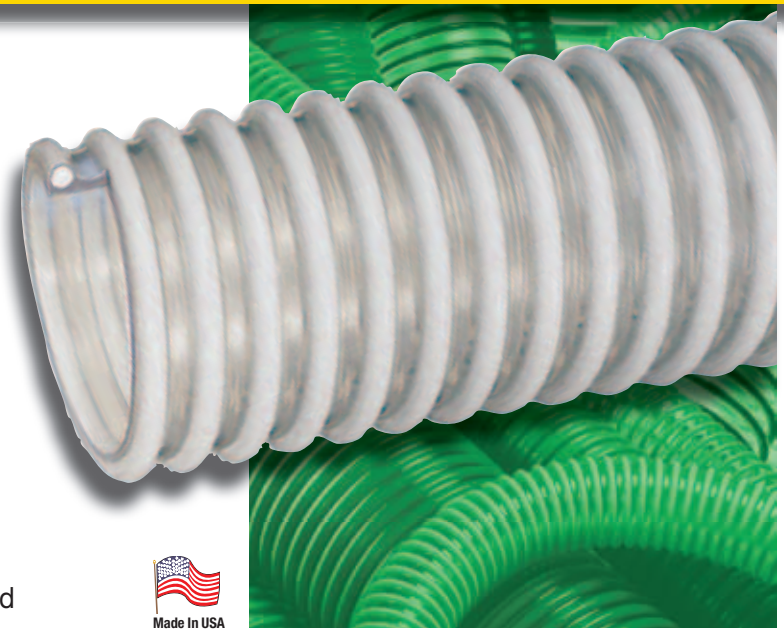
BSE/TSE(02), FDA(05), FDA(06), RoHS(10)

tigerflex®

ABRASION RESISTANT | FOOD GRADE | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION | WATER

WBS™ Series

Food Grade PVC Static Dissipative Material Handling Hose



Made In USA

General Applications:
- Food grade material handling – standard duty
- Material handling – standard duty
- Pharmaceutical product transfer
- Plastic processing equipment
- Pneumatic conveying equipment

Construction: Static dissipative PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Abrasion Resistant PVC Tube –** Formulated from highly durable PVC compounds for increased abrasion resistance.
- **Food Grade Materials –** Hose complies with applicable FDA(03) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **Static Dissipative Tube –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
WBS150	1 1/2	38.1	1.92	48.8	50	25	28	28	3	100	0.35
WBS200	2	50.8	2.40	61.0	40	20	28	24	4	100	0.56
WBS250	2 1/2	63.5	2.99	75.9	40	20	28	24	5	100	0.77
WBS300	3	76.2	3.64	92.5	40	20	28	24	6	100	1.10
WBS400	4	101.6	4.76	121.0	35	20	24	20	10	100/50	1.92

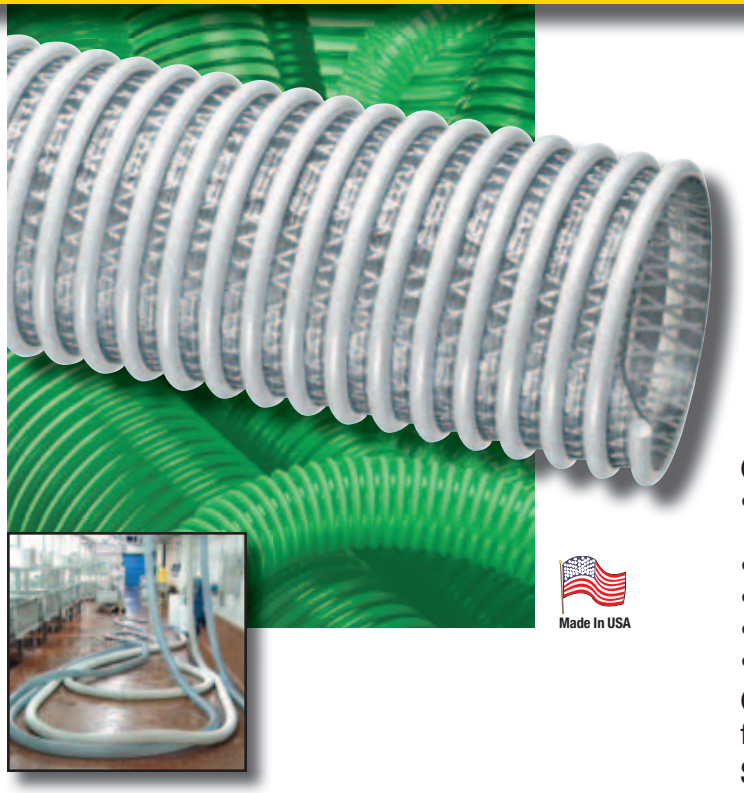
NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: The effectiveness of static dissipation is application-dependent, based upon humidity, material conveyed, and length of hose.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

BSE/TSE(02), FDA(03), RoHS(10), USDA(11)

EASY SLIDE | FOOD GRADE | TRANSPARENT CONSTRUCTION | WATER

tigerflex®



Made In USA

WSTF™ Series

Food Grade PVC Fabric Reinforced Suction & Discharge Hose

General Applications:

- Food grade liquids such as potable water, beer, wine and juice
- Food grade material handling – standard duty
- Ice transfer
- Suction and discharge
- Water suction – heavy duty

Construction: Double-ply PVC tube, polyester fabric reinforcement and rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Food Grade Materials –** Hose complies with applicable FDA(03) and 3-A(01) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **Fabric Reinforcement –** Designed with high tensile strength, food grade, FDA(06) polyester yarn jacket to handle both suction, and higher pressure discharge applications.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (In. Hg) 68°F	Vacuum Rating (In. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
New 1 1/2" & 2" sizes WSTF150	1-1/2	38.1	1.95	49.5	100	65	Full	28	2.5	100	0.42
WSTF200	2	50.8	2.60	66.0	100	65	Full	28	4	100	0.74
WSTF300	3	76.2	3.62	92.0	70	35	Full	28	6	100/20	1.13
WSTF400	4	101.6	4.76	121.0	65	32	Full	28	8	100/20	1.74
WSTF600	6	152.4	7.17	182.1	50	25	28	25	13	100/20	3.88

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

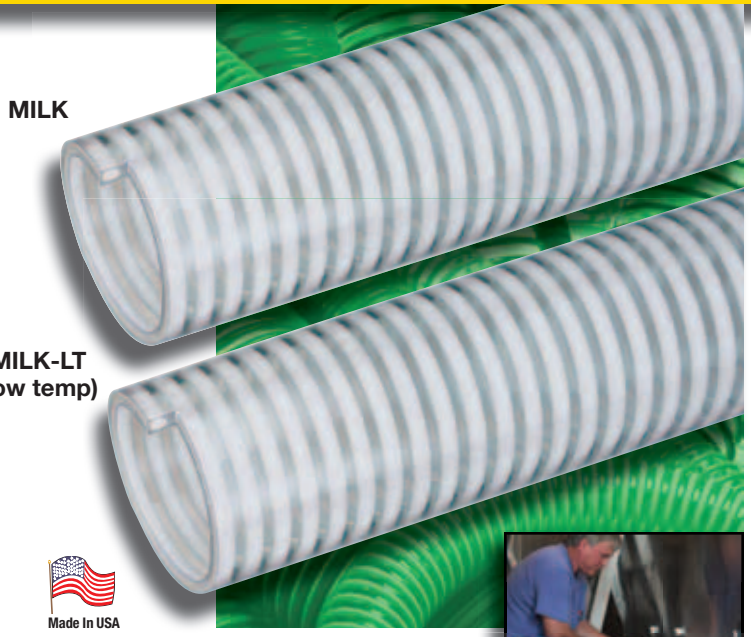
3A(01), BSE/TSE(02), FDA(03), FDA(06), RoHS(10), USDA(11)

tigerflex®

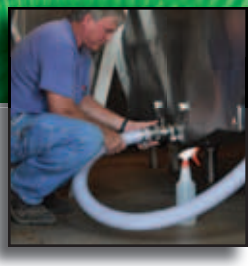
"COLD-FLEX" MATERIALS | FOOD GRADE | TRANSPARENT CONSTRUCTION | WATER

MILK™ Series
Food Grade
PVC Liquid Suction Hose

MILK-LT™ Series
Low Temperature
Food Grade
PVC Liquid Suction Hose



Made In USA



General Applications:
- Food grade liquids such as potable water, beer, wine and juice
- Ice transfer
- Milk and dairy product transfer
- Water suction – standard duty

Construction: PVC tube with rigid PVC helix.

Service Temperature (MILK): -4°F (-20°C) to 150°F (+65°C)*

Service Temperature (MILK-LT): -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:
- **Precision Controlled ID and OD Dimensions –** Facilitates insertion of sanitary fittings.
- **Food Grade Materials –** Hose complies with applicable FDA(03) and 3-A(01) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **"Cold-Flex" Materials (MILK-LT only) –** Hose remains flexible in severe sub-zero temperatures.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Smooth Outer Cover –** Provides increased pressure rating and smooth surface for banding.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
MILK150	1 1/2	38.1	1.79	45.5	75	50	Full	26	4	100	0.45
MILK200	2	50.8	2.33	59.2	75	50	28	25	6	100	0.63
MILK250	2 1/2	63.5	2.87	73.0	55	40	28	24	10	100	0.81
MILK300	3	76.2	3.42	86.9	55	40	28	24	11	100	1.18
MILK-LT150	1 1/2	38.1	1.79	45.5	75	50	Full	26	4	100	0.45
MILK-LT200	2	50.8	2.33	59.2	75	50	28	25	5	100	0.65
MILK-LT250	2 1/2	63.5	2.87	73.0	55	40	28	24	8	100	0.84
MILK-LT300	3	76.2	3.42	86.9	55	40	28	24	11	100	1.20

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

3A(01), BSE/TSE(02), FDA(03), RoHS(10), USDA(11)

FOOD GRADE | TRANSPARENT CONSTRUCTION | WATER

tigerflex®

Made In USA

FT™ Series

Heavy Duty Food Grade PVC Suction Hose

General Applications:

- Food grade liquids such as potable water, beer, wine and juice
- Food grade material handling – standard duty
- Ice transfer
- Milk and dairy product transfer
- Poultry processing
- Water suction – heavy duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Food Grade Materials –** Hose complies with applicable FDA(03) and 3-A(01) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Smooth Outer Cover –** Provides increased pressure rating and smooth surface for banding.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in.@ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
FT075	3/4	19.0	0.94	24.0	115	75	Full	28	3	100	0.17
FT100	1	25.5	1.28	32.5	100	70	Full	28	3	100	0.24
FT125	1 1/4	32.0	1.56	39.6	90	65	Full	28	4	100	0.44
FT150	1 1/2	38.1	1.80	46.5	85	60	Full	28	6	100	0.50
FT200	2	50.8	2.36	60.0	85	60	Full	26	8	100	0.71
FT250	2 1/2	63.5	2.88	73.2	65	45	Full	26	10	100	0.94
FT300	3	76.2	3.42	86.9	55	40	Full	24	11	100	1.14
FT400	4	101.6	4.51	114.6	50	35	Full	24	18	100/60	1.91
FT500	5	127.0	5.51	140.0	40	25	28	23	28	100/20	2.41
FT600	6	153.4	6.59	167.4	30	20	28	15	48	20	3.28
FT800	8	204.7	8.85	224.7	25	15	28	10	60	20	5.67

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

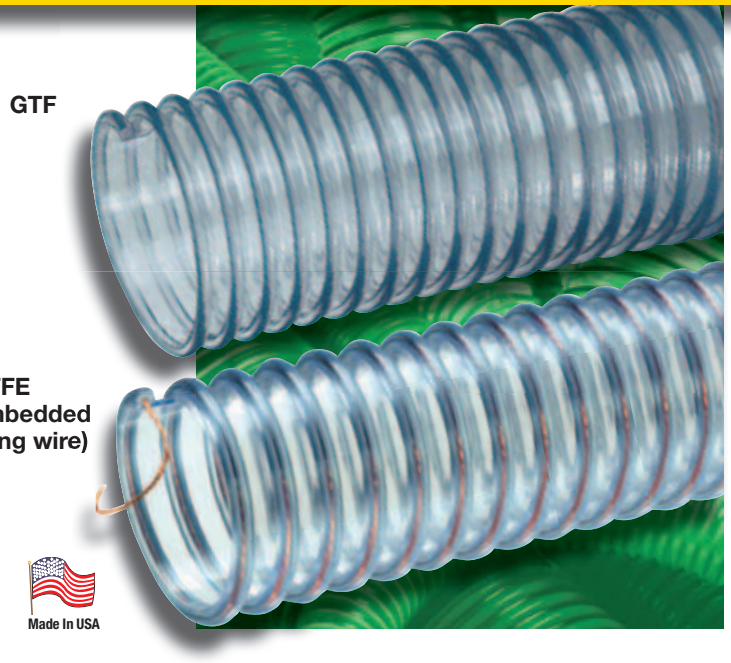
3A(01), BSE/TSE(02), FDA(03), RoHS(10), USDA(11)

tigerflex®

EASY SLIDE | FOOD GRADE | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION | WATER

GTF™ Series
Food Grade PVC Ducting/Material Handling Hose

GTFE™ Series
Food Grade PVC Ducting/Material Handling Hose with Grounding Wire



Made In USA

General Applications:
- Ducting, ventilation and fume removal
- Food grade blower and ducting systems
- Material handling – light duty
- Pharmaceutical product transfer

Construction: PVC tube with rigid PVC helix and grounding wire (GTFE Series).

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:
- **Food Grade Materials –** Hose complies with applicable FDA(03) and 3-A(01) requirements. Hose approved by USDA(11) (GTF only) for use in meat and poultry plants.
- **Grounding Wire (GTFE only) –** Multi-strand wire helps prevent the build-up of static electricity for added safety and to help keep material flowing smoothly. It's embedded within the rigid helix to prevent contamination of transferred materials.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Easy Slide Helix –** Exposed rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
GTF/GTFE150	1 1/2	38.1	1.82	46.2	20	7	22	14	1	100	0.23
GTF/GTFE200	2	50.8	2.39	60.8	15	6	21	12	2	100	0.30
GTF/GTFE250	2 1/2	63.5	2.89	73.4	10	5	19	10	2	100	0.39
GTF/GTFE300	3	76.2	3.46	87.9	10	5	18	10	3	100/50	0.50
GTF/GTFE400	4	101.6	4.50	114.3	8	4	13	7	3	100/50	0.77
GTF/GTFE600	6	152.4	6.54	166.1	6	3	7	5	6	50	1.08
GTF/GTFE800	8	203.2	8.59	218.2	4	2	5	3	8	50	1.74

NOTE: Service life may vary depending on operating conditions and type of material being conveyed. Not for liquid handling use.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

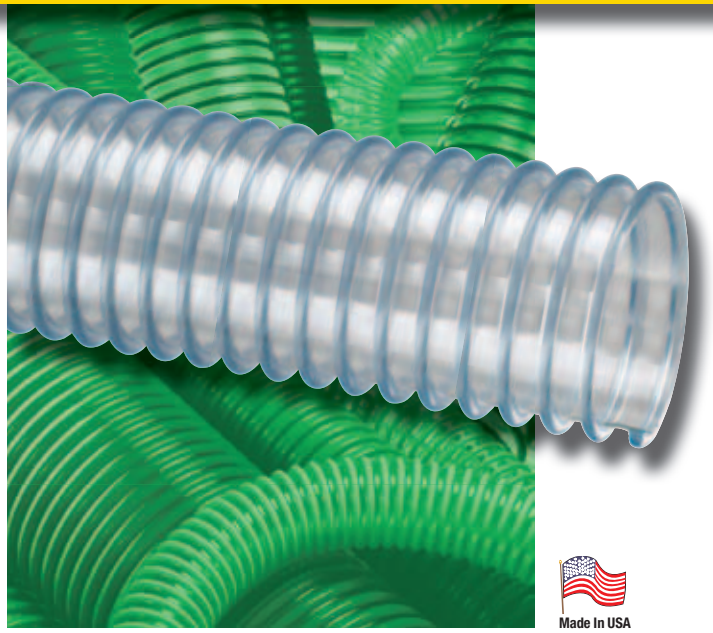
***Actual service temperature range is application dependent.**

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

3A(01), BSE/TSE(02), FDA(03), RoHS(10), USDA(11)

ABRASION RESISTANT | "COLD-FLEX" MATERIALS | EASY SLIDE | FOOD GRADE | OIL RESISTANT | TRANSPARENT CONSTRUCTION

tigerflex®



Made In USA

UVF™ Series

Food Grade Polyurethane Ducting/ Material Handling Hose

General Applications:
- Ducting, ventilation and fume removal
- Dust collection
- Food grade blower and ducting systems
- Food grade material handling – standard duty
- Pharmaceutical product transfer

Construction: Polyurethane tube with rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Durable Lightweight Polyurethane Tube –** Designed for dry applications where abrasion is a factor. Provides longer hose life and lower operating costs versus rubber or PVC hoses.
- **Food Grade Materials –** Hose complies with applicable FDA(04) requirements. Hose approved by USDA(11) for use in meat and poultry plants.
- **Transparent Construction –** "See-the-flow". Allows for visual confirmation of material flow.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix –** Exposed rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **Oil Resistant Polyurethane Hose –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
UVF150	1 1/2	38.1	1.82	46.2	20	7	22	14	1	50	0.23
UVF200	2	50.8	2.39	60.7	15	6	21	12	1.5	50	0.32
UVF250	2 1/2	63.5	2.89	73.4	10	5	19	10	1.5	50	0.39
UVF300	3	76.2	3.46	87.9	10	5	18	10	2.5	50	0.55
UVF400	4	101.6	4.50	114.3	8	4	13	8	3	50	0.77
UVF500	5	127.0	5.50	139.7	7	3	10	7	4	50	0.89
UVF600	6	152.4	6.54	166.1	6	3	7	5	5	50	1.15
UVF800	8	203.2	8.59	218.1	4	2	5	3	7	50	1.75

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

BSE/TSE(02), FDA(04), RoHS(10), USDA(11)

tigerflex®

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | STATIC DISSIPATIVE | WATER

Tiger - TR1™
TR1™ Series

Heavy Duty SBR Wet or Dry Material Handling Hose

NEW 8" Size

Made In USA

General Applications:
- Fly ash collection
- Hydro excavation
- Industrial vacuum equipment
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Rock, gravel, sand and crushed concrete vacuuming
- Sewer truck boom hose
- Shot blast recovery
- Slurry handling

Construction: SBR rubber tube with rigid PVC helix.
Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:
- **Superior Rubber Compounds –** Tigerflex™ uses specially engineered compounds which provide the ideal combination of excellent abrasion resistance, light weight, flexibility, static dissipation and superior long-lasting durability.
- **Static Dissipative Tube –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs/ft.)
TR1-150	1 1/2	38.1	TBD	TBD	TBD	TBD	TBD	TBD	TBD	100	TBD
TR1-200	2	50.8	2.38	60.5	32	23	Full	26	1.5	100/50	0.50
TR1-250	2 1/2	63.4	3.05	77.5	30	22	Full	26	2.0	100/50	0.84
TR1-300	3	76.2	3.56	90.5	28	20	Full	26	2.5	100/50	1.00
TR1-400	4	101.6	4.67	118.5	26	18	Full	26	4.5	100/50	1.70
TR1-500	5	126.8	5.73	145.5	21	16	28	24	5.0	100/50	2.38
TR1-600	6	153.4	6.88	174.8	19	13	28	24	9.5	100/50/20	3.20
TR1-800	8	204.8	9.18	233.2	19	13	27	23	14	50/20	5.70

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

***Actual service temperature range is application dependent.**

Available with grounding wire upon request. Minimum order required, contact Kuriyama customer service for details.

RoHS(10)

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | STATIC DISSIPATIVE | WATER

tigerflex®

Made In USA

Tiger - TR2™

TR2™ Series

Medium Duty SBR Wet or Dry Material Handling Hose

General Applications:

- Industrial vacuum equipment
- Material handling – standard duty
- Milling machine scrap recovery
- Rock, gravel, sand and crushed concrete vacuuming
- Shot blast recovery
- Slurry handling
- Wand hose

Construction: SBR rubber tube with rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Superior Rubber Compounds –** Tigerflex™ uses specially engineered compounds which provide the ideal combination of excellent abrasion resistance, light weight, flexibility, static dissipation and superior long-lasting durability.
- **Static Dissipative Tube –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
TR2-400	4	101.6	4.61	117.2	22	14	28	24	4	100/20	1.44
TR2-500	5	127.4	5.68	144.2	18	12	26	20	4.5	100/50/20	2.13

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**
Available with grounding wire upon request. Minimum order required, contact Kuriyama customer service for details.

RoHS(10)

tigerflex®

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | OIL RESISTANT | STATIC DISSIPATIVE | WATER

Amphibian™

AMPH™ Series

Heavy Duty Polyurethane Lined Wet or Dry Material Handling Hose

Made In USA

General Applications:

- Agricultural dry fertilizers
- Air seeder lines
- Fly ash collection
- Hydro excavation
- Industrial vacuum equipment
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Rock, gravel, sand and crushed concrete vacuuming
- Sewer truck boom hose
- Shot blast recovery
- Slurry handling

Construction: PVC cover with polyurethane liner and rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Triple Resistant Liner:

- **Abrasion Resistant!**
- **Water Resistant!**
- **Oil Resistant!**

Features and Advantages:

- **Thick Amphibian™ Abrasion Resistant Polyurethane Liner –** Designed for wet or dry applications where severe abrasion is a factor. Provides longer hose life and lower operating costs versus rubber or PVC hoses.
- **Static Dissipative Cover –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Convoluted Cover Design –** Provides increased hose flexibility.
- **Oil Resistant Polyurethane Liner –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
AMPH400	4	101.6	4.76	120.9	35	18	Full	28	8	100	1.95
AMPH500	5	127.0	5.75	146.0	36	18	28	25	15	100/20	2.42
AMPH600	6	152.4	6.81	173.0	30	15	28	25	18	100/20	3.50
AMPH800	8	203.2	9.18	233.2	30	15	28	25	22	60/21	5.91

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

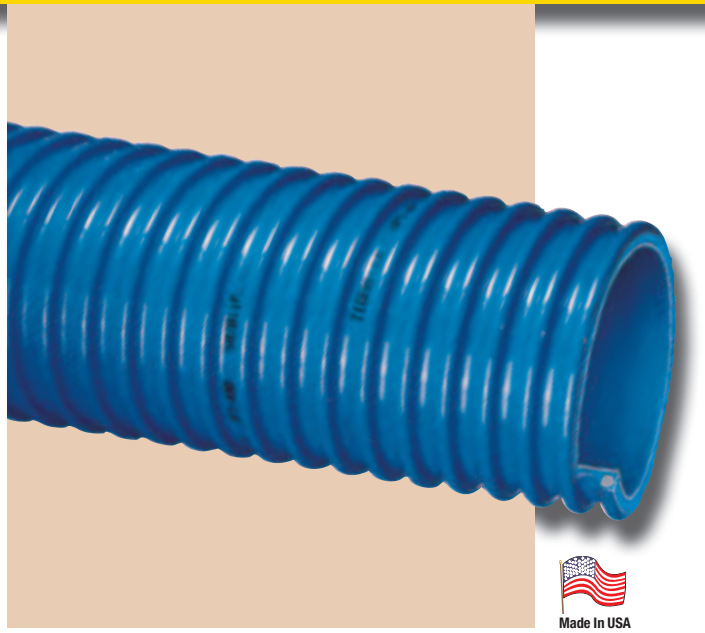
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

RoHS(10)

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | OIL RESISTANT | STATIC DISSIPATIVE

tigerflex®



Made In USA

Ureflex™

UF2™ Series

Extra Heavy Duty Polyurethane Lined Material Handling Hose

General Applications:

- Fly ash collection
- Industrial vacuum equipment
- Material chutes
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Rock, gravel, sand and crushed concrete vacuuming
- Shot blast recovery

Construction: PVC cover with polyurethane liner and rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Extra Thick Abrasion Resistant Polyurethane Liner –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Static Dissipative Cover –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **Oil Resistant Polyurethane Liner –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
UF2-150	1 1/2	38.1	1.88	47.8	50	25	Full	28	3	100	0.46
UF2-200	2	50.8	2.44	62.0	40	20	Full	28	4	100	0.65
UF2-250	2 1/2	63.5	3.12	79.2	40	20	Full	28	5	100	0.89
UF2-300	3	76.2	3.70	94.1	40	20	Full	28	6	100/50	1.23
UF2-400	4	101.6	4.80	122.0	35	18	Full	28	10	100/50	2.02
UF2-500	5	127.0	5.81	147.6	35	18	28	25	15	100/50/20	2.50
UF2-600	6	152.4	6.87	174.5	30	15	28	25	18	100/50/20	3.84
UF2-800	8	203.2	9.18	233.2	30	15	28	25	22	50/20	6.52
UF2-1000	10	254.0	11.61	295.0	25	12	26	20	26	20	10.92

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

RoHS(10)

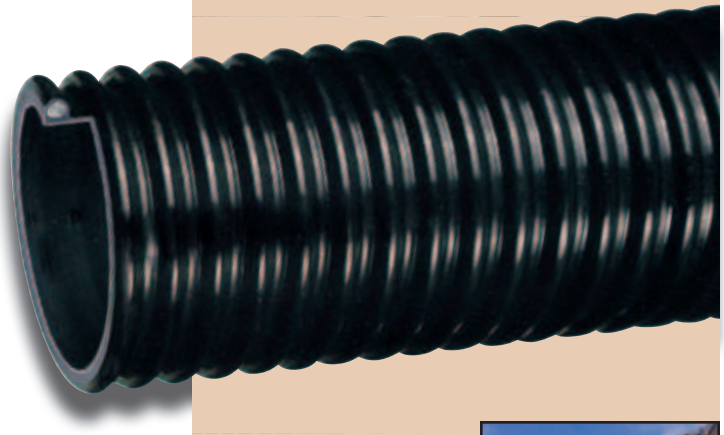
tigerflex®

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | OIL RESISTANT | STATIC DISSIPATIVE

Ureflex™

UF1™ Series

Heavy Duty Polyurethane Lined Material Handling Hose



Made In USA

General Applications:

- Agricultural dry fertilizers
- Air seeder lines
- Fly ash collection
- Industrial vacuum equipment
- Material chutes
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Rock, gravel, sand and crushed concrete vacuuming
- Shot blast recovery

Construction: PVC cover with polyurethane liner and rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Thick Abrasion Resistant Polyurethane Liner –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Static Dissipative Cover –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **Oil Resistant Polyurethane Liner –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
UF1-125	1 1/4	31.8	1.53	39.0	50	25	Full	28	2	100	0.22
UF1-150	1 1/2	38.1	1.85	47.0	50	25	Full	28	2	100/50	0.42
UF1-200	2	50.8	2.40	61.0	40	20	Full	28	3	100/50	0.59
UF1-250	2 1/2	63.5	3.07	78.0	40	20	Full	28	3	100/50	0.80
UF1-300	3	76.2	3.64	92.5	40	20	Full	28	4	100/50	1.18
UF1-350	3 1/2	88.9	4.21	107.0	35	18	Full	28	5	100/50	1.48
UF1-400	4	101.6	4.76	120.9	35	18	Full	28	6	100/50	1.95
UF1-500	5	127.0	5.75	146.0	35	18	28	25	10	100/50/20	2.42
UF1-600	6	152.4	6.81	173.0	30	15	28	25	12	100/50/20	3.50
UF1-800	8	203.2	9.18	233.2	30	15	28	25	18	50/20	5.91
UF1-1000	10	255.0	11.60	294.5	22	10	24	18	26	20	9.90

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

RoHS(10)

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | EASY SLIDE | OIL RESISTANT | STATIC DISSIPATIVE

tigerflex®

Made In USA

UBK™ Series

Heavy Duty Polyurethane Lined Material Handling Hose

General Applications:

- Agricultural dry fertilizers
- Air seeder lines
- Fly ash collection
- Industrial vacuum equipment
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Rock, gravel, sand and crushed concrete vacuuming
- Shot blast recovery

Construction: PVC cover with polyurethane liner and rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Thick Abrasion Resistant Polyurethane Liner –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Static Dissipative Cover –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **Oil Resistant Polyurethane Liner –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
UBK200	2	50.8	2.40	61.0	40	15	Full	28	2	100/50	0.59
UBK250	2 1/2	63.5	3.07	78.0	40	15	Full	28	4	100/50	0.79
UBK300	3	76.2	3.64	92.5	40	15	Full	28	4	100/50	0.83
UBK400	4	101.6	4.76	120.9	35	13	Full	28	6	100/50	1.37
UBK500	5	127.0	5.69	144.5	30	10	28	15	10	100/50/20	2.28
UBK600	6	152.4	6.81	173.0	30	10	28	15	12	100/50/20	3.10
UBK800	8	203.2	9.02	229.0	30	10	28	15	15	50/20	4.51

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

RoHS(10)

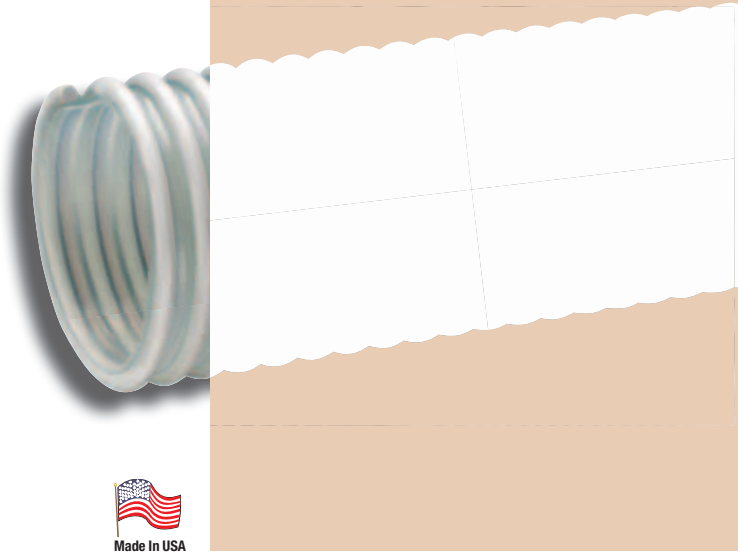
tigerflex®

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

Ureflex™

UFC™ Series

Heavy Duty Polyurethane Lined Material Handling Hose



Made In USA

General Applications:

- Agricultural dry fertilizer
- Air seeder lines
- Industrial vacuum equipment
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Plastic processing equipment
- Shot blast recovery

Construction: PVC cover with polyurethane liner and rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Thick Abrasion Resistant Polyurethane Liner –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Static Dissipative Cover –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **Oil Resistant Polyurethane Liner –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min.Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
UFC150	1 1/2	38.1	1.85	47.0	50	25	Full	28	2	100	0.42
UFC200	2	50.8	2.40	61.0	40	20	Full	28	3	100	0.59
UFC250	2 1/2	63.5	3.07	78.0	40	20	Full	28	3	100	0.80
UFC300	3	76.2	3.64	92.5	40	20	Full	28	4	100	1.18
UFC400	4	101.6	4.76	120.9	35	18	Full	28	6	100	1.95
UFC57M†	2.24	57.0	2.60	66.0	40	20	Full	28	3	100	0.62

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**
†Non-stock item, minimum order required. Contact Kuriyama customer service for details.

RoHS(10)

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | EASY SLIDE | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

tigerflex®

Plas-T-Flo™ PF™ Series

Heavy Duty Polyurethane Material Handling Hose With Grounding Wire

Made In USA

General Applications:

- Bulk truck & railcar unloading
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Plastic processing equipment

Construction: Polyurethane tube with rigid PVC helix and grounding wire.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Extra Thick Single-Ply Abrasion Resistant Polyurethane Tube –** Our thickest single-ply polyurethane tube! Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Grounding Wire –** Multi-strand wire helps prevent the build-up of static electricity for added safety and to help keep material flowing smoothly. It's embedded within the rigid helix to prevent contamination of transferred materials.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **Oil Resistant Polyurethane Tube –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius @ 68°F	Standard Length (ft.)	Weight (lbs./ft.)
PF300	3	76.2	3.39	86.0	35	15	28	25	10	100/20	1.50
PF400	4	101.6	4.84	123.0	30	15	28	25	12	100/50/20	1.96
PF500	5	127.0	5.87	149.0	30	15	25	22	13	100/50/20	2.50
PF600	6	152.4	6.91	175.5	30	15	25	22	16	100/50/20	3.18

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

RoHS(10)

tigerflex®

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | EASY SLIDE | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

Urevac™

UV3™ Series

Heavy Duty Polyurethane Material Handling Hose With Grounding Wire

Made In USA

General Applications:

- Dust collection
- Material handling – heavy duty abrasive
- Milling machine scrap recovery
- Plastic processing equipment
- Trench suction

Construction: Single-ply polyurethane tube with rigid PVC helix and grounding wire.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Thick Abrasion Resistant Single-Ply Polyurethane Tube –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Grounding Wire –** Multi-strand wire helps prevent the build-up of static electricity for added safety and to help keep material flowing smoothly. It's embedded within the rigid helix to prevent contamination of transferred materials.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **Oil Resistant Polyurethane Tube –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius @ 68°F	Standard Length (ft.)	Weight (lbs./ft.)
UV3-300	3	76.2	3.60	91.4	40	20	Full	28	9	100/50	0.91
UV3-400	4	101.6	4.66	118.4	35	17	28	25	12	100/50	1.50
UV3-500	5	127.0	5.50	145.0	35	17	28	25	14	50/20	1.82
UV3-600	6	152.4	6.65	172.0	30	15	25	20	16	50/20	2.24
UV3-800	8	203.5	8.76	223.0	30	15	25	20	18	50/20	3.00

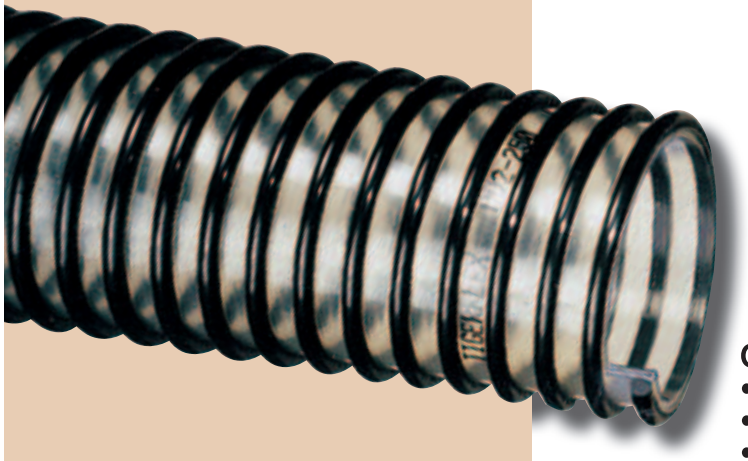
NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

RoHS(10)

ABRASION RESISTANT | "COLD-FLEX" MATERIALS | EASY SLIDE | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

tigerflex®



Made In USA

Urevac™

UV2™ Series

Standard Duty Polyurethane Lined Material Handling Hose

General Applications:

- Agricultural dry fertilizer
- Air seeder lines
- Dust collection
- Material chutes
- Material handling – standard duty
- Wand hose

Construction: PVC cover with polyurethane liner and rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Abrasion Resistant Polyurethane Liner –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Static Dissipative Cover –** Specially formulated to help prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **Oil Resistant Polyurethane Liner –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius @ 68°F	Standard Length (ft.)	Weight (lbs./ft.)
UV2-150	1 1/2	38.1	1.87	47.5	25	10	22	16	1.5	60	0.29
UV2-200	2	50.8	2.47	62.7	25	10	21	14	2.5	60	0.40
UV2-250	2 1/2	63.5	2.96	75.2	20	8	19	12	3	60	0.53
UV2-300	3	76.2	3.54	89.8	20	8	18	11	4	60	0.67
UV2-400	4	101.6	4.57	116.1	15	7	13	9	6	60	1.02
UV2-500	5	127.0	5.58	141.7	15	7	10	7	8	60	1.22
UV2-600	6	152.4	6.62	168.1	10	5	7	5	10	60	1.68
UV2-800	8	203.2	8.67	220.2	10	5	5	3	14	20	2.24

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

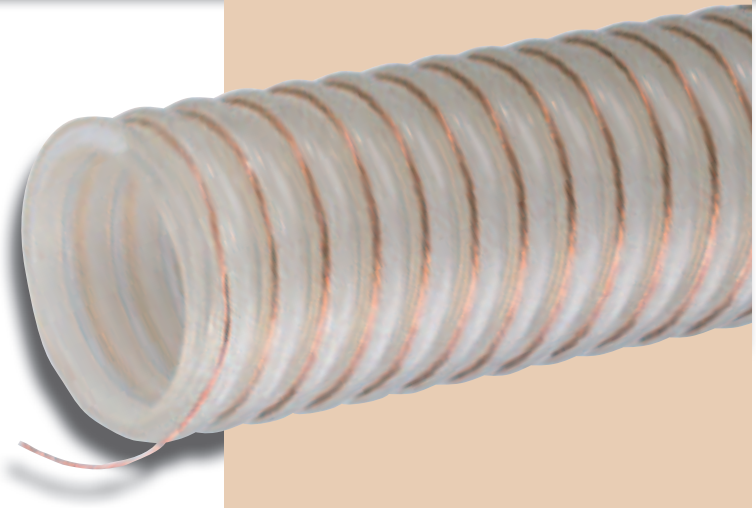
RoHS(10)

tigerflex®

ABRASION RESISTANT | "COLD-FLEX" MATERIALS | OIL RESISTANT | STATIC DISSIPATIVE | TRANSPARENT CONSTRUCTION

UVPE™ Series

Heavy Duty Polyurethane Material Handling Hose With Grounding Wire



Made In USA

General Applications:
- Material handling – heavy duty abrasive
- Plastic processing equipment

Construction: Polyurethane tube with rigid polypropylene helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Thick Abrasion Resistant Polyurethane Tube –** Designed for dry applications where severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Crush Resistant Construction –** Hose rebounds to shape without structural damage when crushed; material keeps flowing.
- **Grounding Wire –** Multi-strand wire helps prevent the build-up of static electricity for added safety and to help keep material flowing smoothly.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Oil Resistant Polyurethane Tube –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
UVPE150	1 1/2	38.1	1.87	47.5	20	7	22	14	3	100	0.39
UVPE200	2	50.8	2.44	62.0	15	6	21	12	4	100	0.48
UVPE250	2 1/2	63.5	2.99	75.9	10	5	19	10	5	100	0.55
UVPE300	3	76.2	3.64	92.5	10	5	18	10	6	100	0.68

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

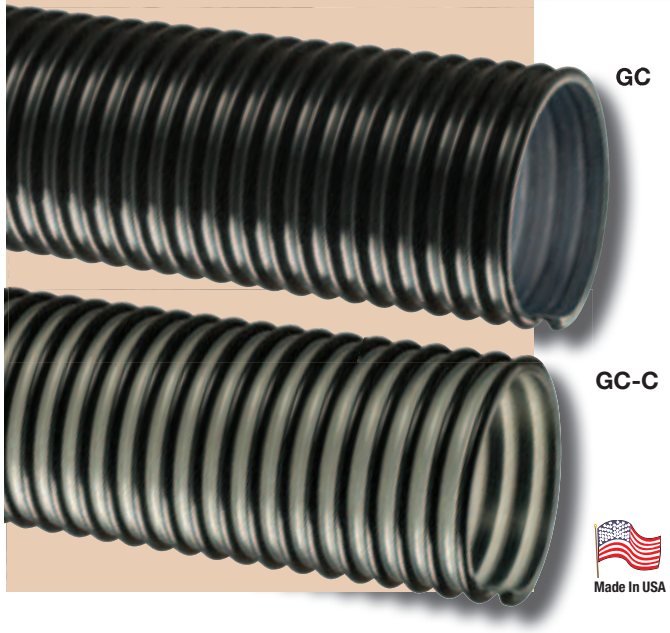
*Actual service temperature range is application dependent.

CAUTION: This product is designed to dissipate static electricity when the embedded grounding wire is physically extracted and securely connected to ground, through the fitting or by other means.

RoHS(10)

ABRASION RESISTANT | "COLD-FLEX" MATERIALS | OIL RESISTANT | TRANSPARENT CONSTRUCTION

tigerflex®



Made In USA

"Ground Cover" GC™/GC-C™ Series

Heavy Duty Polyurethane Lined Material Handling Hose

General Applications:
- Material handling – heavy duty abrasive
- Mulch, bark, wood chips and other surfacing material delivery
- Soil, seed and compost delivery

Construction: PVC cover with Polyurethane liner and rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Abrasion Resistant Polyurethane Liner –** Designed for dry applications where severe abrasion is a factor. Provides longer hose life and lower operating costs versus rubber or PVC hoses.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Transparent Construction (GC-C only) –** "See-the-flow." Allows for visual confirmation of material flow.
- **Convoluted Outer Cover –** Provides increased hose flexibility. Allows for easier unwinding and winding on hose reels.
- **Oil Resistant Polyurethane Liner –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Min. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
GC/GC-C400	4	101.6	4.59	116.6	30	15	28	25	6	100	1.00
GC/GC-C500	5	127.0	5.57	141.5	30	15	25	20	10	100	1.80

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances mentioned above, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

RoHS(10)

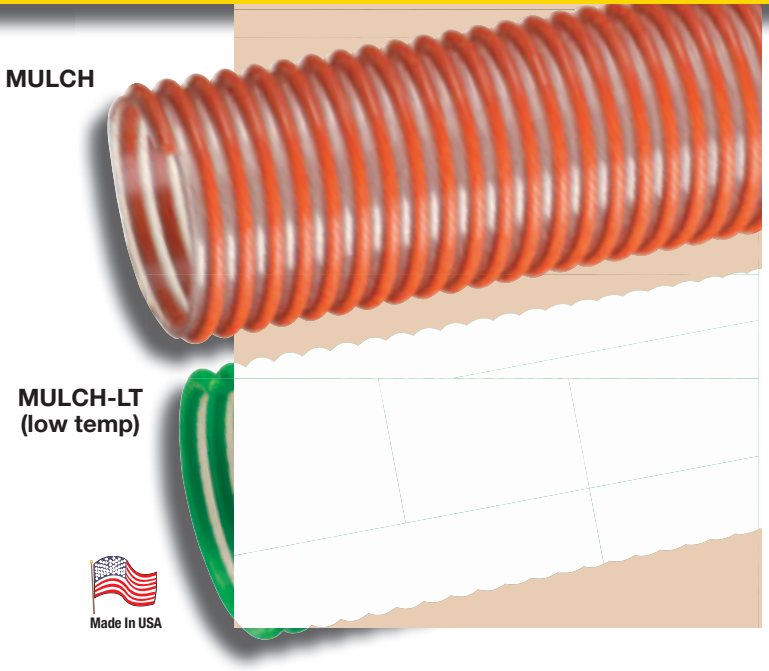
tigerflex®

ABRASION RESISTANT | "COLD-FLEX" MATERIALS | TRANSPARENT CONSTRUCTION | WATER

"Mulch Hose"

MULCH™ Series
Heavy Duty PVC Material Handling Hose

MULCH-LT™ Series
Heavy Duty PVC Low Temperature Material Handling Hose



General Applications:
- Material handling – standard duty
- Mulch, bark, wood chips and other surfacing material delivery
- Soil, seed and compost delivery

Construction: PVC tube and rigid PVC helix.

Service Temperature (MULCH): -4°F (-20°C) to 150°F (+65°C)*

Service Temperature (MULCH-LT): -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:
- **Abrasion Resistant PVC Tube –** Formulated from highly durable PVC compounds for increased abrasion and tear resistance versus standard PVC hoses.
- **"Cold-Flex" Materials (MULCH-LT only) –** Hose remains flexible in sub-zero temperatures.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
MULCH400	4	101.6	4.57	116.0	35	15	Full	28	8	100	1.35
MULCH500	5	127.0	5.61	142.6	30	12	24	22	14	100	1.75
MULCH600	6	153.4	6.79	172.4	25	10	24	22	16	100	2.42
MULCH-LT400	4	101.6	4.57	116.0	35	15	Full	28	8	100	1.35

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

*Actual service temperature range is application dependent.

RoHS(10)

ABRASION RESISTANT | EASY SLIDE | TRANSPARENT CONSTRUCTION | WATER

tigerflex®

Made In USA

"Bark Hose"

BARK™ Series

Standard Duty PVC Material Handling Hose

General Applications:

- Lawn and leaf collection
- Material handling – standard duty
- Mulch, bark, wood chips and other surfacing material delivery
- Soil, seed and compost delivery

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Abrasion Resistant PVC Tube –** Formulated from highly durable PVC compounds for increased abrasion and tear resistance versus standard PVC hoses.
- **Convoluted Outer Cover –** Provides increased hose flexibility. Allows for easier unwinding and winding on hose reels.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
BARK400	4	101.6	4.45	113	18	11	15	10	10	100	0.95
BARK500	5	127.0	5.47	139	17	10	14	8	11	100	1.29

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

RoHS(10)

tigerflex®

ABRASION RESISTANT | "COLD-FLEX" MATERIALS | EASY SLIDE | TRANSPARENT CONSTRUCTION | WATER

Lawn King™

LK™ Series
LKC™ Series

PVC Ducting/Material Handling Hose

General Applications:
- Dust collection
- Lawn and leaf collection
- Material handling – light duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -20°F (-29°C) to 150°F (+65°C)*

Features and Advantages:

- "**Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Transparent Construction (LKC series only) –** "See-the-flow." Allows for visual confirmation of material flow.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
LK/LKC400	4	101.6	4.57	114.8	8	4	13	7	3	100/50	0.85
LKC500	5	128.0	5.55	141.0	7	3	10	6	5	100	0.93
LK/LKC600	6	152.4	6.63	168.3	6	3	7	5	6	100/50	1.34
LK/LKC700	7	177.8	7.56	192.0	4	2	6	4	7	50	1.53
LK/LKC800	8	203.2	8.63	219.3	4	2	5	3	8	50	2.00

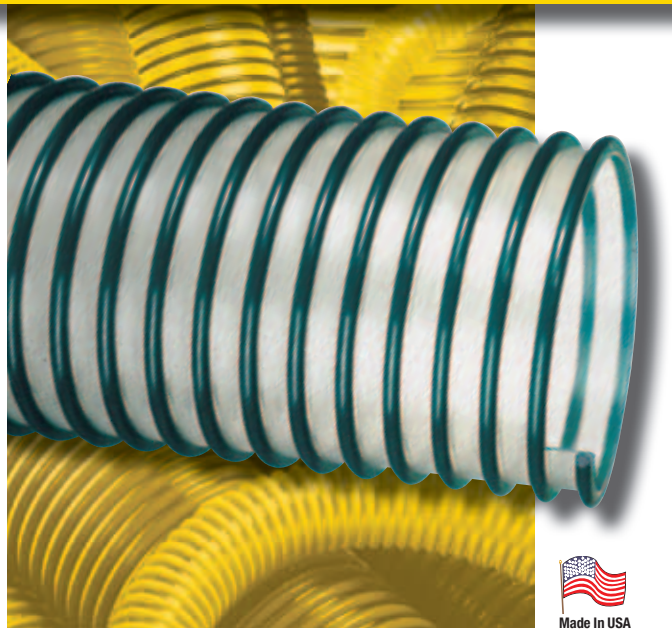
NOTE: Service life may vary depending on operating conditions and type of material being conveyed. Not for liquid handling use.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

RoHS(10)

ABRASION RESISTANT | "COLD-FLEX" MATERIALS | EASY SLIDE | OIL RESISTANT | TRANSPARENT CONSTRUCTION

tigerflex®



Made In USA

Urevac™

UV1™ Series

Polyurethane Ducting/ Material Handling Hose

General Applications:

- Concrete resurfacing dust collection
- Ducting, ventilation and fume removal
- Dust collection
- Insulation blowing
- Material chutes
- Material handling – standard duty

Construction: Polyurethane tube with rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Durable Lightweight Polyurethane Tube –** Designed for dry applications where abrasion is a factor. Provides longer hose life and lower operating costs versus rubber or PVC hoses.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Oil Resistant Polyurethane Tube –** Resists most animal and petroleum based oils.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
UV1-150	1 1/2	38.1	1.82	46.2	20	7	22	14	0.75	50	0.23
UV1-200	2	50.8	2.39	60.7	15	6	21	12	1.5	50	0.32
UV1-250	2 1/2	63.5	2.89	73.4	10	5	19	10	1.5	50	0.39
UV1-300	3	76.2	3.46	87.9	10	5	18	10	2.5	50	0.55
UV1-400	4	101.6	4.50	114.3	8	4	13	8	3	50	0.77
UV1-500	5	127.0	5.50	139.7	7	3	10	7	4	50	0.89
UV1-600	6	152.4	6.54	166.1	6	3	7	5	5	50	1.15
UV1-800	8	203.2	8.59	218.2	4	2	5	3	7	50	1.75

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

RoHS(10)

tigerflex®

EASY SLIDE | TRANSPARENT CONSTRUCTION | WATER

GT™ Series
GTG™ Series
PVC Ducting/Material Handling Hose

General Applications:
- Cable protection
- Drain lines
- Ducting, ventilation and fume removal
- Dust collection
- Material handling – light duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:
- **Transparent Construction (GT series only) –** "See-the-flow." Allows for visual confirmation of material flow.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **Anti-Microbial Tube (GTG series only) –** Inhibits growth of bacteria, fungi, mold and yeast.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
GT/GTG150	1 1/2	38.1	1.82	46.2	20	7	22	14	1	100/50	0.23
GT/GTG200	2	50.8	2.39	60.8	15	6	21	12	2	100/50	0.30
GT/GTG250	2 1/2	63.5	2.89	73.4	10	5	19	10	2	100/50	0.39
GT/GTG300	3	76.2	3.46	87.9	10	5	18	10	3	100/50	0.50
GT350	3 1/2	88.9	4.02	102.0	9	4	15	8	3	100/50	0.68
GT/GTG400	4	101.6	4.50	114.3	8	4	13	7	3	100/50	0.77
GT500	5	127.0	5.50	139.7	7	3	10	6	5	100/50	0.91
GT600	6	152.4	6.54	166.1	6	3	7	5	6	100/50	1.08
GT800	8	203.2	8.59	218.2	4	2	5	3	8	50	1.74
GT1000	10	254.0	11.68	296.6	2	—	2	—	10	50	2.70

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

RoHS(10)

EASY SLIDE | TRANSPARENT CONSTRUCTION | WATER

tigerflex®

CG-SL
(pre-slit)

Made In USA

"Cover Guard"
CG™/CG-SL™ Series
PVC Ducting and Cover Protection Hose

General Applications:
- Cable and hose bundle protection (MSHA)
- Dust collection
- Ducting, ventilation and fume removal
- Mine supply line cover protection

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **MSHA(09) Approved –** Meets U.S. Dept. of Labor Administration requirements for flame-resistance for use in mines for protection of hose bundles.
- **Transparent Construction –** "See-the-flow." Allows for visual confiurmation of material flow.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.
- **CG-SL Series –** pre-slit for easy insertion of hose bundles.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
CG-SL100	1	25.4	1.28	31.9	n/a	n/a	n/a	n/a	.5	100	0.14
CG-SL125	1 1/4	31.8	1.51	38.4	n/a	n/a	n/a	n/a	.75	100	0.18
CG-SL150	1 1/2	38.1	1.76	45.1	n/a	n/a	n/a	n/a	1	100	0.21
CG/CG-SL200	2	50.8	2.30	58.4	12	6	10	5	2	100	0.28
CG238	2 3/8	60.3	2.76	70.1	12	6	10	5	2	100	0.38
CG/CG-SL250	2 1/2	63.5	2.81	71.3	10	5	8	4	2	100	0.39
CG/CG-SL300	3	76.2	3.35	85.0	8	4	7	3	3	100	0.45
CG/CG-SL350	3 1/2	88.9	3.83	97.4	8	4	7	3	3	100	0.51
CG/CG-SL400	4	102.4	4.39	111.4	6	3	6	3	3	100	0.64

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

MSHA(09), RoHS(10)

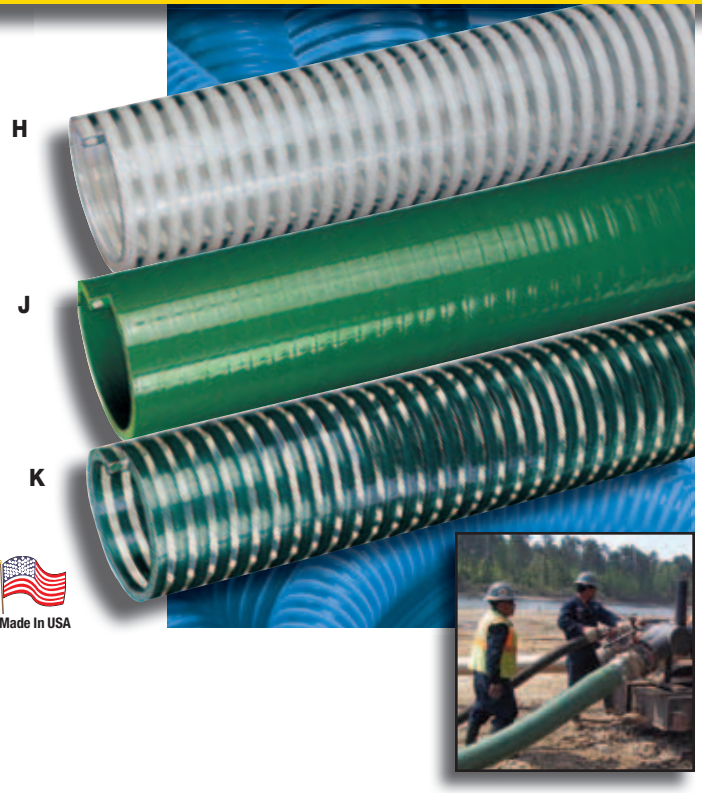
tigerflex®

TRANSPARENT CONSTRUCTION

WATER

H™/J™/K™ Series

Standard Duty PVC Suction Hose



General Applications:

- Agricultural liquid fertilizer
- Air seeder lines
- Drain lines
- Irrigation lines
- Mining applications (MSHA)
- Pumps, rental and construction dewatering
- Pumps, trash
- Rock dusting
- Water suction – standard duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Transparent Construction (H & K Series only) –** "See-the-flow." Allows for visual confirmation of material flow.
- **MSHA(09) Approved (J Series only) –** Approved by the Mine Safety and Health Administration for flame-resistance for use in underground mines as water transfer hose.
- **Smooth Outer Cover (Sizes 3/4" – 5") –** Provides increased pressure rating and smooth surface for banding.
- **Convoluted Outer Cover (Sizes 6" & 8") –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
H/J/K075	3/4	19.0	1.01	25.6	110	70	28	26	3	100	0.19
H/J/K100	1	25.4	1.26	32.0	85	60	28	26	3	100	0.26
H/J/K125	1 1/4	31.7	1.56	39.6	85	60	28	24	4	100	0.35
H/J/K150	1 1/2	38.1	1.83	46.5	70	50	28	24	5	100	0.48
H/J/K200	2	50.8	2.32	59.0	65	45	28	24	7	100	0.66
H/J/K250	2 1/2	63.5	2.87	73.0	65	45	28	24	8	100	0.87
H/J/K300	3	76.2	3.43	87.0	60	40	28	22	10	100	1.24
H/J/K400	4	101.6	4.50	114.7	50	35	28	22	15	100	1.85
H500	5	127.0	5.58	141.3	45	30	28	24	22	100/20	2.42
H/J/K600	6	152.4	6.75	171.4	40	25	28	20	30	100/20	3.39
H/J/K800	8	203.2	8.86	225.0	30	20	26	20	35	20	5.63

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

MSHA(09), RoHS(10)

TRANSPARENT CONSTRUCTION

WATER

tigerflex®

New "Safety Orange" Color

Tiger Suction™ F™/G™/S™ Series

Heavy Duty PVC Suction Hose

General Applications:
- Irrigation lines
- Pumps, rental and construction dewatering
- Pumps, trash
- Water suction – heavy duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Transparent Construction (F Series only) –** "See-the-flow." Allows for visual confirmation of material flow.
- **"Safety Orange" Color (G Series Only) –** For high visibility on job site. Reduces risk of running or tripping over hose.
- **Smooth Outer Cover (Sizes 3/4" – 5") –** Provides increased pressure rating and smooth surface for banding.
- **Convoluted Outer Cover (Sizes 6" & 8") –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
F/G/S075	3/4	19.0	1.01	25.6	115	75	Full	28	3	100	0.21
F/G/S100	1	25.4	1.26	32.0	100	65	Full	28	3	100	0.27
F/G/S125	1 1/4	31.7	1.56	39.6	100	65	Full	26	4	100	0.36
F/G/S150	1 1/2	38.1	1.83	46.5	100	65	Full	26	5	100	0.48
F/G/S200	2	50.8	2.38	60.4	100	65	Full	26	7	100	0.71
F/G250	2 1/2	63.5	2.89	73.4	70	48	Full	26	8	100	0.96
F/G/S300	3	76.2	3.44	87.4	70	45	Full	26	10	100	1.25
F/G/S400	4	101.6	4.57	116.1	60	40	Full	26	15	100	1.95
F500	5	127.0	5.59	141.9	45	30	28	24	22	100/20	2.45
F/G600	6	152.4	6.77	172.0	40	25	28	22	25	100/20	3.76
F/G800	8	203.2	8.90	226.1	30	20	28	18	30	20	6.00

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

RoHS(10)

tigerflex®

"COLD-FLEX" MATERIALS | TRANSPARENT CONSTRUCTION | WATER

"Blue Water" BW™ Series

Low Temperature PVC Suction Hose

Made In USA

General Applications:
- Extreme cold conditions
- Pumps, rental and construction dewatering
- Pumps, trash
- Water suction – standard duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures. Beware of imitations! Blue Water™ truly remains flexible in extreme cold.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Smooth Outer Cover (Sizes 1" - 4") –** Provides increased pressure rating and smooth surface for banding.
- **Convoluted Outer Cover (Sizes 5" & 6") –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
BW075	3/4	19.1	1.01	25.6	115	75	Full	28	3	100	0.19
BW100	1	25.4	1.26	32.0	90	65	Full	28	3	100	0.22
BW125	1 1/4	31.8	1.56	39.6	90	65	Full	26	4	100	0.36
BW150	1 1/2	38.1	1.79	45.5	90	65	Full	26	5	100	0.48
BW200	2	50.8	2.35	59.8	90	65	Full	26	7	100	0.62
BW250	2 1/2	63.5	2.87	73.0	70	48	Full	26	8	100	0.87
BW300	3	76.2	3.43	87.0	65	45	Full	26	10	100	1.23
BW400	4	101.6	4.49	114.0	55	40	Full	26	15	100	1.83
BW500	5	127.0	5.57	141.5	45	30	28	24	25	100/20	2.42
BW600	6	152.4	6.69	170.0	40	25	28	22	30	100/20	3.36

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
NOTE: Refer to Storage and Handling, and Max Coil Stack Height on page 65.
***Actual service temperature range is application dependent.**
RoHS(10)

AR ABRASION RESISTANT | "COLD-FLEX" MATERIALS | STATIC DISSIPATIVE | WATER

tigerflex®

Our Highest Vacuum Rating!

Made In USA

Cold Flex™ CF™ Series

Extra Heavy Duty Low Temperature PVC Suction Hose

General Applications:
- Extreme cold conditions
- Irrigation lines
- Material handling – standard duty
- Pumps, rental and construction dewatering
- Pumps, trash
- Slurry handling
- Water suction – heavy duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Superior Vacuum Rating –** Our toughest and most durable liquid suction hose! Extremely thick hose tube and extra large helix provide for a tough, durable hose with all sizes rated to full vacuum (at 68°F).
- **Cold Flex™ Materials –** Hose remains flexible in severe sub-zero temperatures.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **Static Dissipative Tube –** Specially formulated to help prevent the build-up of static electricity for added safety and help keep material flowing smoothly.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
CF150	1 1/2	38.1	1.84	46.7	100	65	Full	28	3	100	0.40
CF200	2	50.8	2.41	61.2	100	65	Full	28	4	100	0.75
CF250	2 1/2	63.5	2.93	74.5	90	55	Full	28	6	100	0.99
CF300	3	76.2	3.59	91.2	80	50	Full	28	7	100	1.34
CF400	4	101.6	4.67	118.6	65	35	Full	28	11	100	2.15
CF600	6	152.4	6.87	174.4	50	25	Full	28	18	100/50/20	3.76
CF800†	8	204.75	9.13	232.0	35	15	Full	26	24	60/20	6.59

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 60.

***Actual service temperature range is application dependent.**

†Non-stock item, minimum order required. Contact Kuriyama customer service for details.

RoHS(10)

tigerflex®

"COLD-FLEX" MATERIALS | TRANSPARENT CONSTRUCTION | WATER

W™ Series

Heavy Duty PVC Liquid Suction Hose

Made In USA

The Original Heavy Duty Suction Hose

General Applications:

- Extreme cold conditions (Sizes 4" - 16")
- Fish suction
- Gold dredging
- Pumps, rental and construction dewatering
- Pumps, trash
- Slurry handling
- Water suction – heavy duty

Construction: PVC tube with rigid PVC helix.

Service Temperature:
Sizes 1" - 3": -4°F (-20°C) to 150°F (+65°C)*;
Sizes 4" - 16": -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **"Cold-Flex" Materials (Sizes 4" - 16")** – Hose remains flexible in sub-zero temperatures.
- **Transparent Construction** – "See-the-flow." Allows for visual confirmation of material flow.
- **Convoluted Outer Cover** – Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
W100	1	25.4	1.30	33.0	55	35	Full	28	1	100	0.21
W125	1 1/4	31.7	1.60	40.6	50	30	Full	28	2	100	0.28
W150	1 1/2	38.1	1.85	47.0	50	30	Full	28	2	100	0.34
W200	2	50.8	2.40	61.0	50	30	Full	28	3	100	0.52
W250	2 1/2	63.5	2.99	75.9	45	25	Full	28	4	100	0.77
W300	3	76.2	3.64	92.5	45	25	Full	28	6	100	1.18
W400	4	101.6	4.76	121.0	35	18	Full	28	8	100	1.92
W500	5	127.0	5.75	146.0	35	18	28	25	12	100/20	2.42
W600	6	152.4	7.00	177.8	30	15	28	25	14	100/20	3.76
W800	8	203.2	9.18	233.2	30	15	28	25	24	40/20	5.99
W1000	10	254.0	11.56	293.5	25	12	28	25	39	40/20	9.74
W1200	12	304.8	13.64	346.5	20	10	28	25	59	40/20	12.77
W1400†	14	357.6	15.59	396.0	18	8	26	23	80	20	13.50
W1600†	16	408.4	17.72	450.0	12	5	24	20	95	20	16.00

NOTE: For details of the following compliances, refer to footnotes listed on page 62.
NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
***Actual service temperature range is application dependent.**
†Non-stock item, minimum order required. Contact Kuriyama customer service for details.
RoHS(10)

"COLD-FLEX" MATERIALS | TRANSPARENT CONSTRUCTION | WATER

tigerflex®

Our Most Flexible Suction Hose

Made In USA

WH™ Series
Standard Duty PVC Liquid Suction Hose

SH™ Series
Standard Duty Low Temperature PVC Liquid Suction Hose

General Applications:
- Drain lines
- Dust collection
- Gold dredging
- Water suction – standard duty

Construction: PVC tube with rigid PVC helix.

Service Temperature (WH Series): -4°F (-20°C) to 150°F (+65°C)*

Service Temperature (SH Series): -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **"Cold-Flex" Materials (SH Series; Sizes 2½" - 8") –** Hose remains flexible in sub-zero temperatures.
- **Transparent Construction –** "See-the-flow." Allows for visual conformation of material flow.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
WH100	1	25.4	1.22	31.0	45	15	Full	24	1	100	0.15
WH125	1 1/4	31.8	1.54	39.2	40	12	Full	24	1	100	0.20
WH150	1 1/2	38.1	1.80	45.7	40	12	Full	24	1.5	100	0.25
WH200	2	50.8	2.32	58.7	35	10	26	20	2.5	100	0.31
SH250	2 1/2	63.5	9.97	75.5	30	9	24	18	3	100	0.43
SH300	3	76.2	3.48	88.4	25	7	24	18	4	100	0.64
SH400	4	101.6	5.52	114.8	25	7	18	14	6	100	1.06
SH500	5	127.0	5.57	141.5	20	6	16	12	10	100	1.47
SH600	6	153.4	6.69	169.9	20	6	14	10	12	100	2.27
SH800	8	204.8	8.86	225.0	10	3	12	8	24	60	3.34

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

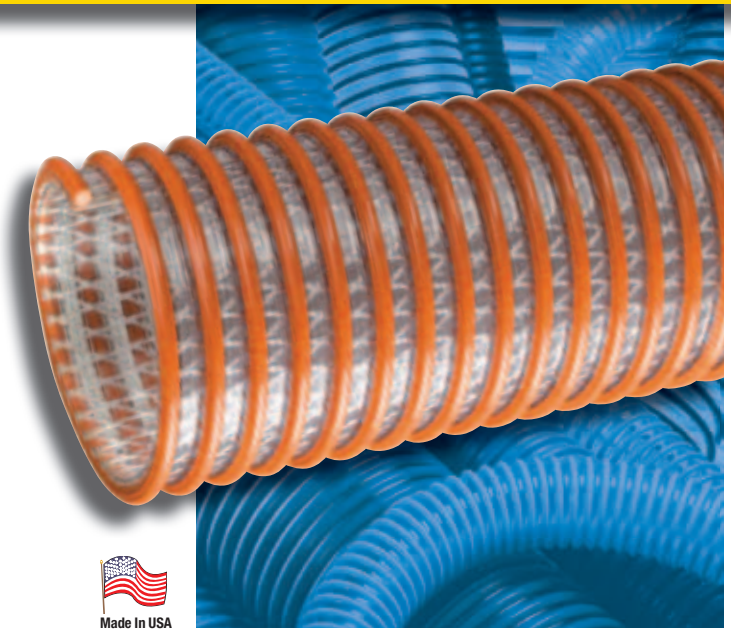
RoHS(10)

tigerflex®

EASY SLIDE | TRANSPARENT CONSTRUCTION | WATER

WST™ Series

Heavy Duty PVC Fabric Reinforced Suction & Discharge Hose



Made In USA

General Applications:
- Fish suction
- Irrigation lines
- Pumps, rental and construction dewatering
- Pumps, trash
- Suction and discharge
- Water suction – heavy duty

Construction: Double-ply PVC tube, polyester fabric reinforcement and rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Fabric Reinforcement –** Designed with high tensile strength polyester yarn jacket to handle both suction and higher pressure discharge applications.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces. Easy-to-handle.

Nominal Specifications

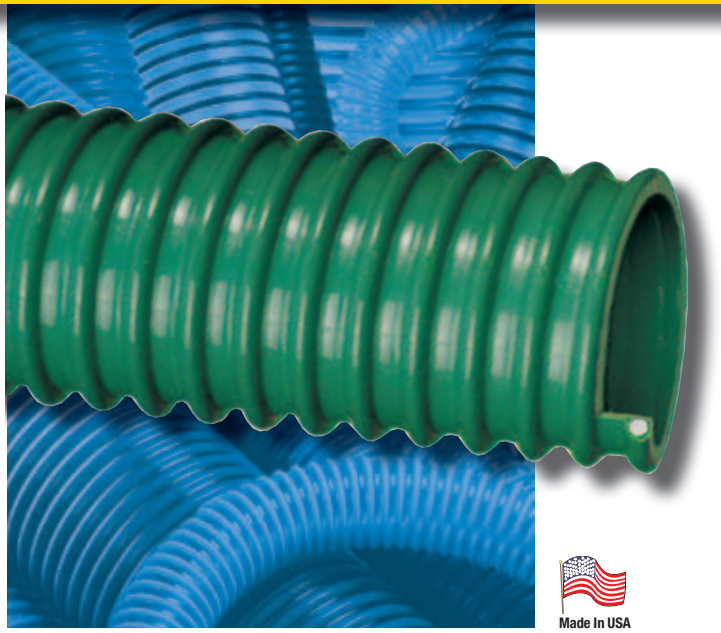
Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
New 1 1/2" & 2" sizes — WST150	1-1/2	38.1	1.95	49.5	100	65	Full	28	2.5	100	0.42
WST200	2	50.8	2.60	66.0	100	65	Full	28	4	100	0.74
WST300	3	76.2	3.62	92.0	70	35	Full	28	6	100/20	1.13
WST400	4	101.6	4.76	121.0	65	32	Full	28	8	100/20	1.74
WST500	5	127.0	5.98	151.9	50	25	28	25	11	100/20	2.95
WST600	6	152.4	7.17	182.1	50	25	28	25	13	100/20	3.88
New 25' Length — WST800	8	203.5	9.21	234.0	40	25	26	20	18	25/20	5.57

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

RoHS(10)

WATER

tigerflex®



Made In USA

WG™ Series

Heavy Duty PVC Liquid Suction Hose

General Applications:
- Fish suction
- Irrigation lines
- Pumps, rental and construction dewatering
- Pumps, trash
- Rock dusting
- Water suction – heavy duty

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Highly Durable PVC Tube –** Formulated from highly durable PVC compound for increased abrasion and tear resistance.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
WG150	1½	38.1	1.85	47.0	50	25	Full	28	2	100	0.34
WG200	2	50.8	2.40	61.0	50	25	Full	28	3	100	0.52
WG300	3	76.2	3.64	92.5	45	25	Full	28	6	100	1.18
WG400	4	101.6	4.76	120.9	35	18	Full	28	8	100	1.93

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

RoHS(10)

tigerflex®

WATER

“Marine Hose”
MH™ Series
PVC Suction Hose

Made In USA

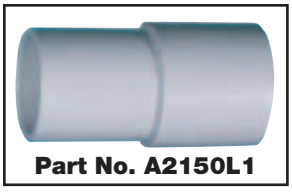
General Applications:
- Drain lines
- Marine bilge discharge
- Marine plumbing
- Recreational vehicle (RV) plumbing

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Odor-resistant Tube –** Special additives help eliminate the build-up of unwanted odors.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **Easy Installation –** Ideal for working in confined areas. Permits installers to make smooth, tight turns. Requires fewer fittings than rigid pipe.



Part No. A2150L1

Custom Molded Cuff — 1½" Molded cuff (shown above) is designed for use with Tigerflex® Series MH150 marine hose.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Approx. Wt. (lbs./ft.)
MH100	1	25.4	1.22	31.0	45	15	Full	24	1	100	0.15
MH125	1¼	32.0	1.49	38.0	40	12	Full	24	1.5	100	0.20
MH150	1½	38.1	1.77	45.0	40	12	Full	24	2	100	0.25
MH200	2	50.8	2.32	59.0	35	10	26	20	2.5	100	0.31

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 60.

***Actual service temperature range is application dependent.**

RoHS(10)

WATER

tigerflex®

Made In USA

"Spa Hose" FMCR™ Series

PVC Suction Hose

General Applications:
- Commonly referred to as "flex pipe"
- Drain lines
- Spa, pool and hot tub plumbing

Construction: PVC tube with rigid PVC helix.

Service Temperature: -4°F (-20°C) to 150°F (+65°C)*

Features and Advantages:

- **Precision Controlled OD –** Designed to be glued into Schedule 40 PVC fittings.
- **IAPMO(07) Approved –** Approved for use piping spas, hot tubs and swimming pools.
- **Easy Installation –** Ideal for working in confined areas. Permits installers to make smooth, tight turns. Requires fewer fittings than rigid pipe when plumbing a normal spa or hot tub application.

Nominal Specifications

Series	IPS Size (in.)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
F16MCR	1/2	0.850	21.50	100	70	28	26	2	100/50	0.14
F20MCR	3/4	1.053	26.75	100	70	28	26	2	100/50	0.21
F27MCR	1	1.320	33.52	100	70	28	24	3	100/50	0.28
F36MCR	1 1/4	1.663	42.25	80	55	28	24	4	100/50	0.37
F42MCR	1 1/2	1.904	48.35	70	50	28	24	4	100/50	0.44
F52MCR	2	2.381	60.48	70	50	28	24	6	100/50	0.58
F78MCR^	3	3.500	89.00	65	40	28	22	8	50	1.20

NOTE: For details of the following compliances, refer to footnotes listed on page 62.
NOTE: Use with recommended primers and PVC cements; consult with glue supplier for recommendations. Coils of Tigerflex® Spa Hose should not be stacked more than five coils high. Hose which has been stacked high may be damaged over time.

NOTE: Black color available upon request. Minimum order quantity may apply. Contact Kuriyama customer service for details.

***Actual service temperature range is application dependent.**

^This item is not IAMPO listed

Product Warning

Like other materials, Spa Hoses can be damaged by rodents or insects, including termites. Our warranty does not cover damages caused by them. Spa Hose should not be used underground in areas infested by termites. This product warning shall be given to every purchaser of Spa Hose. (Rev. 7/98)

IAPMO(07), RoHS(10)

"COLD-FLEX" MATERIALS | EASY SLIDE | WATER

Tiger™ Green TG™ Series

EPDM Suction Hose

Made In USA

General Applications:

- Agriculture liquid fertilizers
- Irrigation lines
- Liquid manure handling
- Marine bilge discharge
- Pumps, rental and construction dewatering
- Pumps, trash
- Septic and wastewater handling
- Used frack solution removal
- Water suction – standard duty

Construction: EPDM tube with polyethylene helix.

Service Temperature: -40°F (-40°C) to 160°F (+71°C)*

Features and Advantages:

- **Superior Rubber Compounds –** Tigerflex™ uses only the best available EPDM compounds, which provide the ideal combination of light-weight, flexibility, durability and chemical resistance.
- **Superior Flexibility –** Our tests show up to 22% more flexible than the competition, especially in sub-zero weather! Tiger™ Green comes off the trucks more flexible and easier to handle than other similar hoses.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces and around corners. Easy-to-handle.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
TG100	1	25.4	1.40	35.5	65	45	FULL	28	2	100	0.28
TG125	1 1/4	31.8	1.63	41.4	60	40	FULL	28	3	100	0.33
TG150	1 1/2	38.1	1.93	49.0	50	35	FULL	28	3	100	0.44
TG200	2	50.8	2.51	63.8	50	35	FULL	28	5	100	0.67
TG250	2 1/2	63.5	3.07	78.0	45	30	FULL	28	5.5	100	0.95
TG300	3	76.2	3.60	91.5	45	30	FULL	26	7	100	1.14
TG400	4	101.6	4.70	119.5	40	25	FULL	26	11.5	100	1.84
TG600	6	152.4	6.85	174.0	30	20	28	24	20	100/20	3.07

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
NOTE: Other colors available upon request. Minimum order quantity may apply. Contact Kuriyama Tigerflex department for details.

***Actual service temperature range is application dependent.**

RoHS(10)

"COLD-FLEX" MATERIALS | EASY SLIDE | WATER

tigerflex®

Made In USA

Tiger™ Yellow TY™ Series

EPDM Suction Hose

General Applications:

- Agriculture liquid fertilizers
- Irrigation lines
- Liquid manure handling
- Marine bilge discharge
- Pumps, rental and construction dewatering
- Pumps, trash
- Septic and wastewater handling
- Used frack solution removal
- Water suction – standard duty

Construction: EPDM tube with polyethylene helix.

Service Temperature: -40°F (-40°C) to 160°F (+71°C)*

Features and Advantages:

- **Superior Rubber Compounds –** Tigerflex™ uses only the best available EPDM compounds, which provide the ideal combination of light-weight, flexibility, durability and chemical resistance.
- **Superior Flexibility –** Our tests show up to 22% more flexible than the competition, especially in sub-zero weather! Tiger™ Green comes off the trucks more flexible and easier to handle than other similar hoses.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces and around corners. Easy-to-handle.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (@ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
TY100	1	25.4	1.40	35.5	65	45	FULL	28	2	100	0.28
TY125	1 1/4	31.8	1.63	41.4	60	40	FULL	28	3	100	0.33
TY150	1 1/2	38.1	1.93	49.0	50	35	FULL	28	3	100	0.44
TY200	2	50.8	2.51	63.8	50	35	FULL	28	5	100	0.67
TY300	3	76.2	3.60	91.5	45	30	FULL	26	7	100	1.14
TY400	4	101.6	4.70	119.5	40	25	FULL	26	11.5	100	1.84

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

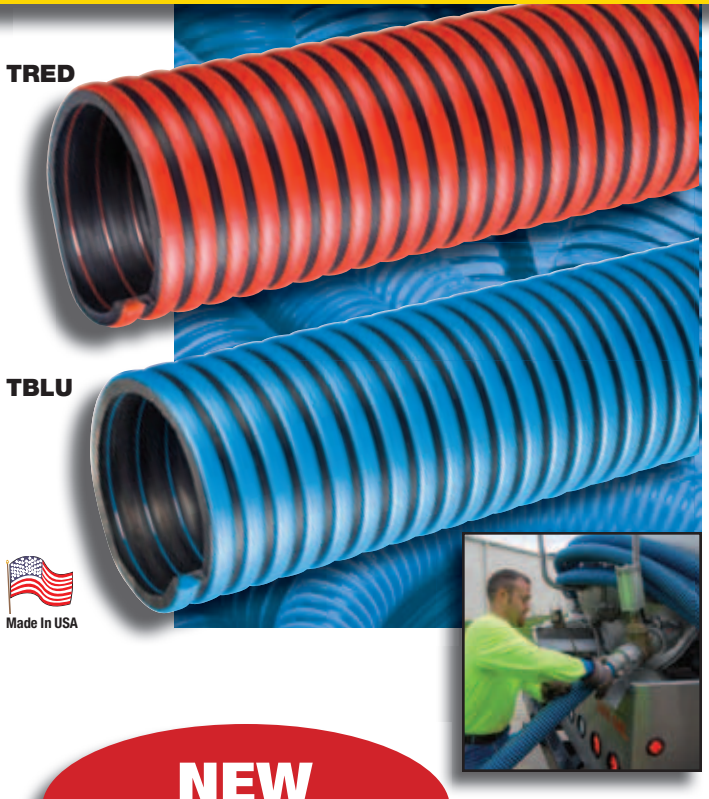
RoHS(10)

"COLD-FLEX" MATERIALS | EASY SLIDE | WATER

Tiger™ Red TRED™ Series

Tiger™ Blue TBLU™ Series

EPDM Suction Hoses



Made In USA

NEW COLORS!

General Applications:

- Agriculture liquid fertilizers
- Irrigation lines
- Liquid manure handling
- Marine bilge discharge
- Pumps, rental and construction dewatering
- Pumps, trash
- Septic and wastewater handling
- Used frack solution removal
- Water suction – standard duty

Construction: EPDM tube with polyethylene helix.

Service Temperature: -40°F (-40°C) to 160°F (+71°C)*

Features and Benefits:

- **Superior Rubber Compounds –** Tigerflex™ uses only the best available EPDM compounds, which provide the ideal combination of light-weight, flexibility, durability and chemical resistance.
- **Superior Flexibility –** Our tests show up to 22% more flexible than the competition, especially in sub-zero weather! Tiger™ Green comes off the trucks more flexible and easier to handle than other similar hoses.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces and around corners. Easy-to-handle.
- **Convoluted Outer Cover –** Provides increased hose flexibility.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.

Choose from colors red or blue to match company equipment.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (@ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
TRED/TBLU200	2	50.8	2.51	63.8	50	35	FULL	28	5	100	0.67
TRED/TBLU300	3	76.2	3.60	91.5	45	30	FULL	26	7	100	1.14
TRED/TBLU400	4	101.6	4.70	119.5	40	25	FULL	26	11.5	100	1.84

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

RoHS(10)

"COLD-FLEX" MATERIALS | EASY SLIDE | WATER

tigerflex®

Made In USA

Tiger™– SD

TSD™ Series

EPDM Fabric Reinforced Suction & Discharge Hose

General Applications:

- Agriculture liquid fertilizers
- Agri-foam systems
- Liquid manure handling
- Pumps, rental and construction dewatering
- Pumps, trash
- Septic and wastewater handling
- Suction and discharge
- Water suction – heavy duty

Construction: Double-ply EPDM, polyester fabric reinforcement and polyethylene helix.

Service Temperature: -40°F (-40°C) to 160°F (+71°C)*

Features and Advantages:

- **Superior Rubber Compounds –** Tigerflex™ uses only the best available EPDM compounds, which provide the ideal combination of light-weight, flexibility, durability and chemical resistance.
- **Fabric Reinforcement –** Designed with high tensile strength polyester yarn jacket to handle both suction, and higher pressure discharge applications.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.
- **Easy Slide Helix –** Rigid helix design protects hose tube from cover wear, and allows hose to slide easily over rough surfaces and around corners. Easy-to-handle.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in Hg) 68°F	Vacuum Rating (in Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
TSD125	1 1/4	31.8	1.70	43.2	100	75	FULL	28	3	100	0.41
TSD150	1 1/2	38.1	2.00	50.7	100	75	FULL	28	3	100	0.51
TSD200	2	50.8	2.54	64.5	100	75	FULL	28	5	100	0.73
TSD300	3	76.2	3.62	92.0	90	65	FULL	26	8	100	1.18

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

RoHS(10)

tigerflex®

"COLD-FLEX" MATERIALS | STATIC DISSIPATIVE | WATER

Tiger - TRS™

TRS™ Series

SBR Rubber Suction Hose

Made In USA

General Applications:

- Irrigation lines
- Material handling – heavy duty abrasive
- Pumps, rental and construction dewatering
- Pumps, trash
- Septic and wastewater handling
- Slurry handling
- Water suction – heavy duty

Construction: SBR rubber tube with PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65.5°C)*

Features and Advantages:

- **Superior Rubber Compounds –** Tigerflex™ uses specially engineered compounds which provide the ideal combination of excellent abrasion resistance light weight, flexibility, static dissipation and superior long-lasting durability.
- **Static Dissipative Tube –** Specially formulated to help prevent the build-up of static electricity for added safety.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Approx. Wt. (lbs./ft.)
TRS300	3	76.2	3.43	87	45	32	FULL	26	6	100	1.23

NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

NOTE: For details of the following compliances, refer to footnotes listed on page 62.

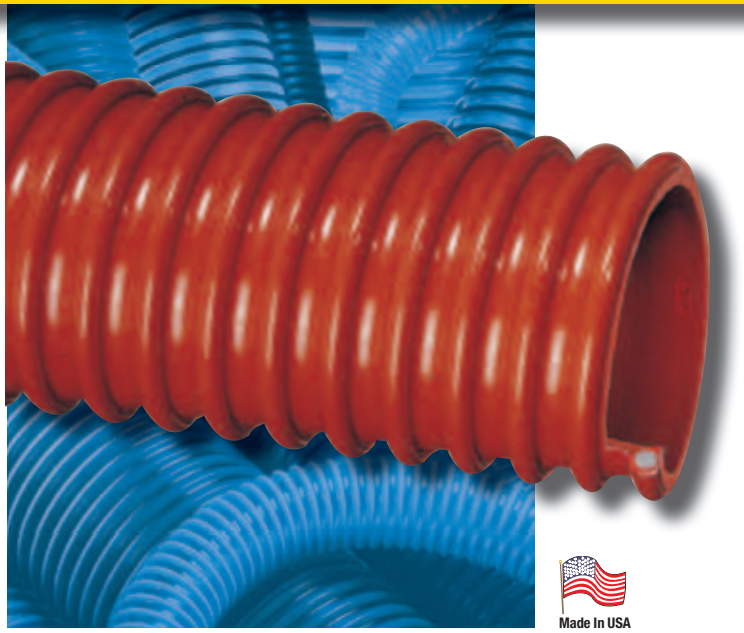
***Actual service temperature range is application dependent.**

RoHS(10)

OIL RESISTANT

WATER

tigerflex®



Made In USA

WOR™ Series

Heavy Duty Oil Resistant PVC Suction Hose

General Applications:

- Environmental clean-up
- Oil skimming
- Oil slurries
- Oil suction
- Vapor recovery – hydrocarbon emmissions

Construction: Oil resistant PVC tube with rigid PVC helix.

Service Temperature: 5°F (-15°C) to 150°F (+65°C)*

Features and Advantages:

- **Oil Resistant PVC –** Made with special oil resistant compounds which exhibit medium resistance to oil and other hydrocarbons.
- **Convoluted Outer Cover –** Provides increased hose flexibility.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
WOR150	1 1/2	38.1	1.92	48.8	50	25	28	24	3	100	0.31
WOR200	2	50.8	2.40	61.0	40	20	28	24	4	100	0.50
WOR300	3	76.2	3.64	92.5	40	20	28	24	6	100	1.17
WOR400	4	101.6	4.72	119.9	35	18	28	22	10	100	1.74

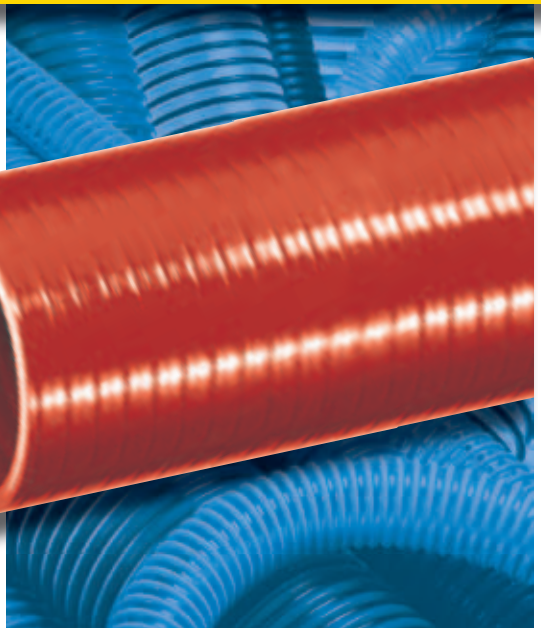
NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**

RoHS(10)

tigerflex®

OIL RESISTANT

WATER



ORV™ Series

Heavy Duty
Oil Resistant
PVC Suction Hose

Made In USA

General Applications:

- Environmental cleanup
- Oil skimming
- Oil slurries
- Oil suction
- Vapor recovery – hydrocarbon emissions

Construction: Oil resistant PVC tube with rigid PVC helix.

Service Temperature: 5°F (-15°C) to 150°F (+65°C)*

Features and Benefits:

- **Oil Resistant PVC Tube –** Made with special oil resistant compounds which exhibit medium resistance to oil and other hydrocarbons.
- **Smooth Outer Cover –** Provides increased pressure rating and smooth surface for banding.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
ORV075	3/4	19.0	1.01	25.6	100	60	28	26	3	100	0.19
ORV100	1	25.4	1.26	32.0	80	50	28	26	3	100	0.24
ORV150	1 1/2	38.1	1.76	44.6	60	40	28	24	5	100	0.35
ORV200	2	50.8	2.32	59.0	60	40	28	24	7	100	0.55
ORV300	3	76.2	3.41	86.7	65	40	28	22	10	100	1.09

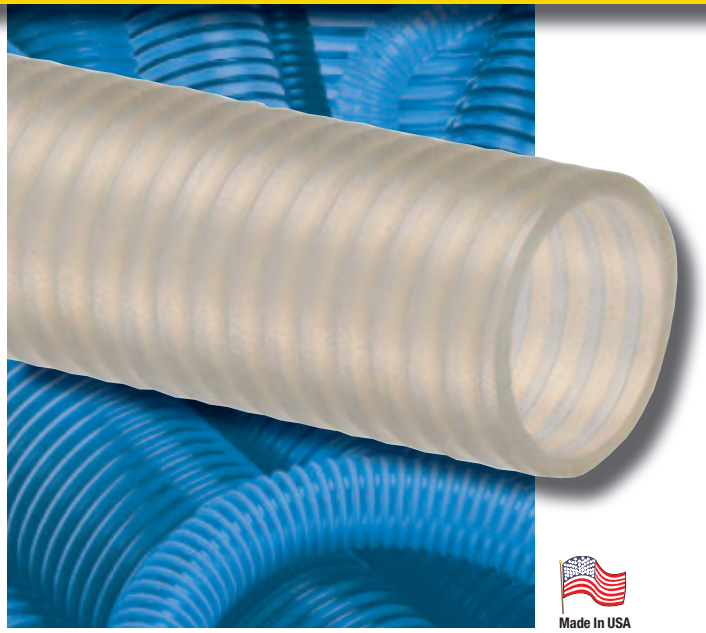
NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.

***Actual service temperature range is application dependent.**

RoHS(10)

ABRASION RESISTANT PLUS | "COLD-FLEX" MATERIALS | OIL RESISTANT | TRANSPARENT CONSTRUCTION

tigerflex®



Made In USA

Oil Vac™

OV™ Series

Heavy Duty Oil Resistant Polyurethane Suction Hose

General Applications:
- Material handling - heavy duty abrasive
- Material chutes
- Oil suction – heavy duty

Construction: Polyurethane tube with rigid PVC helix.

Service Temperature: -40°F (-40°C) to 150°F (+65°C)*

Features and Advantages:

- **Oil Resistant Polyurethane Tube –** Handles most fuels and oils. Excellent resistance to gasoline, diesel, ethanol, blends (up to E30) and biodiesels (up to B100).
- **Abrasion Resistant Polyurethane Tube –** Solid polyurethane tube outlasts other materials when severe abrasion is a factor. Provides for longer hose life and lower operating costs versus rubber or PVC hoses.
- **Transparent Construction –** "See-the-flow." Allows for visual confirmation of material flow.
- **"Cold-Flex" Materials –** Hose remains flexible in sub-zero temperatures.

Nominal Specifications

Series	ID (in.)	ID (mm)	OD (in.)	OD (mm)	Working Pressure (psi) 68°F	Working Pressure (psi) 104°F	Vacuum Rating (in. Hg) 68°F	Vacuum Rating (in. Hg) 104°F	Approx. Bending Radius (in. @ 68°F)	Standard Length (ft.)	Weight (lbs./ft.)
OV100	1	25.4	1.26	32.0	85	60	28	26	3	100	0.23
OV125	1 1/4	31.7	1.49	37.8	85	60	28	24	5	100	0.30
OV150	1 1/2	38.1	1.76	44.6	70	50	28	24	5	100	0.35
OV200	2	50.8	2.32	59.0	65	45	28	24	7	100	0.55
OV250†	2 1/2	63.5	2.87	73.0	65	45	28	24	8	100	0.82
OV300†	3	76.2	3.41	86.7	65	40	28	22	10	100	1.09

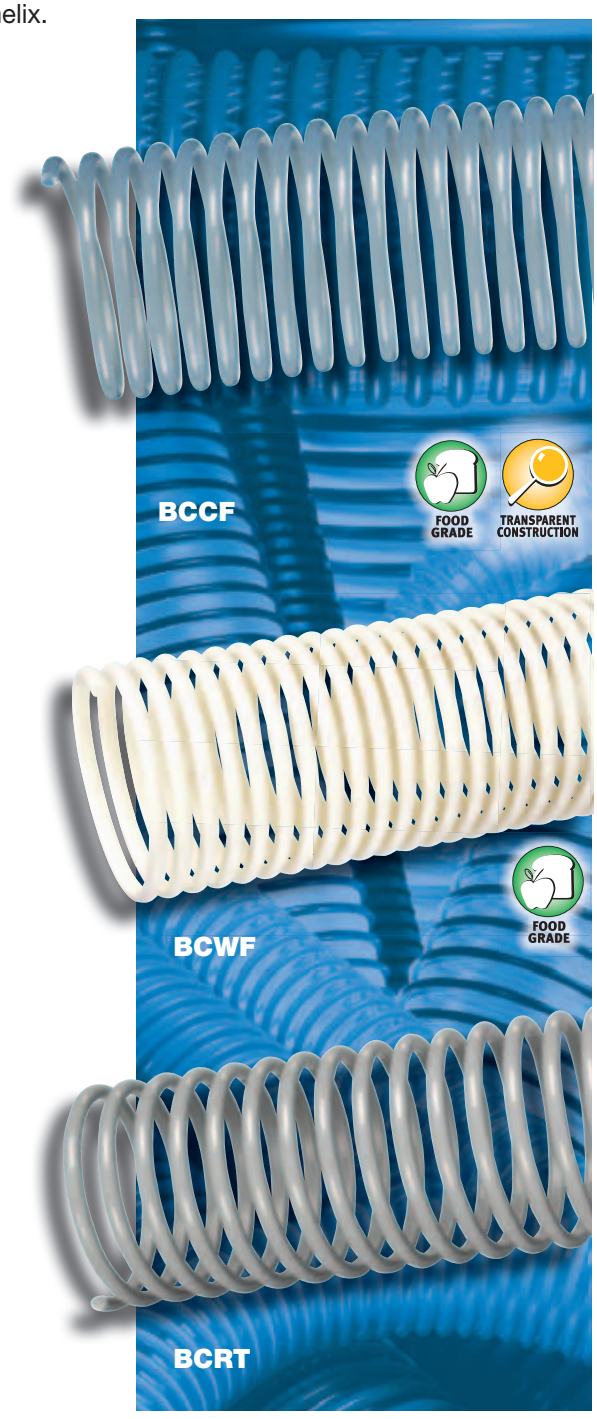
NOTE: Service life may vary depending on operating conditions and type of material being conveyed.
NOTE: For details of the following compliances, refer to footnotes listed on page 62.
***Actual service temperature range is application dependent.**
†Non-stock item, minimum order requirements may apply. Contact Kuriyama customer service for details.

RoHS(10)

Banding Coils

Rigid PVC Coils

- For food grade and non-food grade applications.
- Easy assembly.
- Provides smoother surface for banding behind coupling.
- Packaged singly: One piece to make one complete hose assembly coupled at each end.
- Cut one piece in half into two equal pieces; thread between hose helix.



BCCF™ Series

- Clear, food grade, rigid PVC coils
- For hoses with a high-profile, counterclockwise helix*

Food Grade, High-Profile, Counterclockwise Coils

Nominal Specifications

Part No.	Fits Hose (ID)	Color	Weight (lbs/ea.)
BCCF1.5	1-1/2”	Clear	0.20
BCCF2	2”	Clear	0.30
BCCF3	3”	Clear	0.60
BCCF4	4”	Clear	0.90
BCCF5	5”	Clear	1.10
BCCF6	6”	Clear	1.30
BCCF8	8”	Clear	1.40

BCWF™ Series

- White, food grade, rigid PVC coils
- For hoses with a low-profile, counterclockwise helix*

Food Grade, Low-Profile, Counterclockwise Coils

Nominal Specifications

Part No.	Fits Hose (ID)	Color	Weight (lbs/ea.)
BCWF2	2”	White	0.25
BCWF3	3”	White	0.45

BCRT™ Series

- Grey non-food grade, rigid PVC coils
- For hoses with a high-profile, clockwise helix*

Non-Food Grade, High-Profile, Clockwise Coils

Nominal Specifications

Part No.	Fits Hose (ID)	Color	Weight (lbs/ea.)
BCRT2	2”	Grey	0.30
BCRT3	3”	Grey	0.60
BCRT4	4”	Grey	0.90

*Refer to Tigerflex Accessories compatability chart on page 59-61.

Banding Sleeves

Flexible PVC Sleeves

- Helps prevent overbending near the coupling.
- Cut into approximately 12-inch lengths; screw onto hose at each end.

SLV-VLT™ Series

- Clear, food grade, static dissipative PVC
- For hoses with a high-profile, counterclockwise helix*

Nominal Specifications

Part No.	Fits Hose (ID)	Color	Weight (lbs/ea.)
SLV-VLT4X3	4”	Clear	4.29

SLV-DRP™ Series

- Green, non-food grade flexible PVC
- For hoses with a high-profile, counterclockwise helix*

Nominal Specifications

Part No.	Fits Hose (ID)	Color	Weight (lbs/ea.)
SLV-DRP3X3	3”	Green	3.06
SLV-DRP4X3	4”	Green	4.29

SLV-VAP™ Series

- Yellow, non-food grade flexible PVC
- For hoses with low-profile, counterclockwise helix*

Nominal Specifications

Part No.	Fits Hose (ID)	Color	Weight (lbs/ea.)
SLV-VAP2X3	2”	Yellow	1.80
SLV-VAP3X3	3”	Yellow	3.09
SLV-VAP4X3	4”	Yellow	4.20

Banding coils and sleeves for use with Kuriyama Kuri-Clamp™ center punch clamps. Refer to Kuriyama-Couplings™ Catalog.

*Refer to Tigerflex Accessories compatability chart on pages 59-61.

TigerClamps™

Spiral Double Bolt Clamps

- Zinc plated carbon steel.
- Two or more TigerClamps™ are suggested for 3" ID and larger hoses.
- Both hex nuts should be tightened equally to prevent leakage.
- Caution: proper evaluation of holding power for each clamp must be determined for each individual application.

For Counterclockwise Helix Hoses

*Designed to fit most Tigerflex Hoses**

Nominal Specifications

Part No.	Fits Hose (ID)	Weight ea. (lbs.)	Standard Carton Qty.
SDBC-1.5	1-1/2'	0.18	100
SDBC-2	2"	0.36	100
SDBC-2.25	2-1/4"	0.40	100
SDBC-2.5	2-1/2"	0.48	100
SDBC-3	3"	0.66	70
SDBC-3.5	3-1/2"	0.70	70
SDBC-4	4"	1.02	40
SDBC-5	5"	1.76	30
SDBC-6	6"	2.00	20
SDBC-8	8"	2.76	10
SDBC-10	10"	3.46	10
SDBC-12	12"	4.14	10

For Clockwise Helix Hoses

*Designed to fit Tigerflex TR1 and TR2-series hoses**

Nominal Specifications

Part No.	Fits Hose (ID)	Weight ea. (lbs.)	Standard Carton Qty.
SDBCR-2	2"	0.36	100
SDBCR-3	3"	0.66	70
SDBCR-4	4"	1.02	40
SDBCR-5	5"	1.76	30
SDBCR-6	6"	2.00	20
SDBCR-8	8"	2.76	10

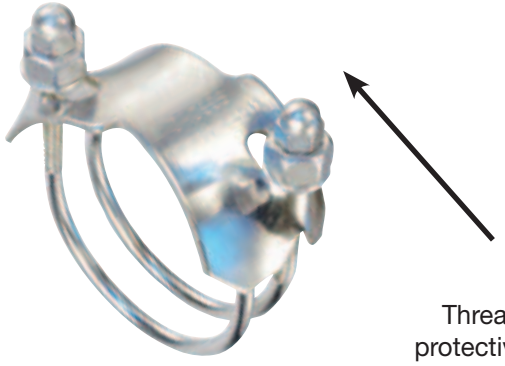
***Refer to Tigerflex Accessories compatability chart on pages 59-61.**

TigerClamp™ Stainless Steel Sprial Double Bolt Clamp

(For Counterclockwise Spiral)

Designed to Fit Tigerflex™ PVC Suction Hoses

Part Number	Size	Weight Each (lbs.)	Standard Carton
SDBC-SS-1.5	1 1/2"	0.40	100
SDBC-SS-2	2"	0.42	100
SDBC-SS-3	3"	0.88	50
SDBC-SS-4	4"	1.01	40
SDBC-SS-6	6"	2.09	20
SDBC-SS-8	8"	2.97	10



Threaded protective cap for safety

Tigerflex™ Accessories Compatability Chart

G = Suggested
-- = Not Suggested

Series	Banding Coils			Banding Sleeves			Clamps		Cuff
	BCCF	BCWF	BCRT	SLV-VLT	SLV-DRP	SLV-VAP	SDBC	SDBC-R	A2150L1
2001-200	--	G	--	--	--	--	G	--	--
2001-300	G	G	--	--	--	--	G	--	--
2001-400	G	--	--	G	G	--	G	--	--
2001 other sizes	G	--	--	--	--	--	G	--	--
2020-300	G	--	--	--	G	--	G	--	--
2020-400	G	--	--	G	G	--	G	--	--
2020 other sizes	G	--	--	--	--	--	G	--	--
AMPH400	G	--	--	--	--	--	G	--	--
AMPH other sizes	G	--	--	--	--	--	G	--	--
BARK400	G	--	--	--	--	--	G	--	--
BARK500	G	--	--	--	--	--	G	--	--
BW500	--	--	--	--	--	--	G	--	--
BW600	--	--	--	--	--	--	G	--	--
BW other sizes	--	--	--	--	--	--	--	--	--
CF200	--	--	--	--	--	--	--	--	--
CF300	--	--	--	--	--	--	--	--	--
CF400	--	--	--	--	--	--	--	--	--
CF600	--	--	--	--	--	--	G	--	--
CF other sizes	--	--	--	--	--	--	--	--	--
F600	--	--	--	--	--	--	G	--	--
F800	G	--	--	--	--	--	G	--	--
F other sizes	--	--	--	--	--	--	--	--	--
FT all sizes	--	--	--	--	--	--	--	--	--
G600	--	--	--	--	--	--	G	--	--
G800	G	--	--	--	--	--	G	--	--
G other sizes	--	--	--	--	--	--	--	--	--
GC/GC-C400	G	--	--	--	--	--	G	--	--
GC/GC-C500	G	--	--	--	--	--	G	--	--
GC/GC-C600	G	--	--	--	--	--	G	--	--
GT/GTG/GTFE150	G	--	--	--	--	--	G	--	G
GT/GTG/GTFE200	--	G	--	--	--	G	G	--	--
GT/GTG/GTFE300	--	G	--	--	--	G	G	--	--
GT/GTG/GTFE400	G	--	--	--	--	G	G	--	--
GT/GTG/GTFE other sizes	G	--	--	--	--	--	G	--	--
H600	--	--	--	--	--	--	G	--	--
H800	G	--	--	--	--	--	G	--	--
H other sizes	--	--	--	--	--	--	--	--	--
J600	--	--	--	--	--	--	G	--	--
J800	G	--	--	--	--	--	G	--	--
J other sizes	--	--	--	--	--	--	--	--	--
K600	--	--	--	--	--	--	G	--	--
K800	G	--	--	--	--	--	G	--	--
K other sizes	--	--	--	--	--	--	--	--	--
LK/LKC300	G	--	--	--	--	G	G	--	--
LK/LKC400	G	--	--	--	--	--	G	--	--
LK/LKC other sizes	G	--	--	--	--	--	G	--	--

NOTE: Banding coils and sleeves must be used in conjunction with a suitable hose clamp.
Refer to individual accessory pages in our Kuriyama-Couplings™ Catalog for detailed information on size availability.
CAUTION NOTE: This chart is provided only as a guideline for selection of hose accessories. Actual results will vary due to manufacturing tolerances.

Tigerflex™ Accessories Compatability Chart

G = Suggested
-- = Not Suggested

Series	Banding Coils			Banding Sleeves			Clamps		Cuff
	BCCF	BCWF	BCRT	SLV-VLT	SLV-DRP	SLV-VAP	SDBC	SDBC-R	A2150L1
MH150	--	--	--	--	--	--	G	--	G
MH200	--	G	--	--	--	--	G	--	--
MH other sizes	--	--	--	--	--	--	--	--	--
MILK	--	--	--	--	--	--	--	--	--
MILK-LT	--	--	--	--	--	--	--	--	--
MULCH400	--	--	--	--	--	--	G	--	--
MULCH500	G	--	--	--	--	--	G	--	--
MULCH600	G	--	--	--	--	--	G	--	--
ORV all sizes	--	--	--	--	--	--	--	--	--
OV all sizes	--	--	--	--	--	--	--	--	--
PF300	G	--	--	--	--	--	G	--	--
PF400	G	--	--	G	G	--	G	--	--
PF other sizes	G	--	--	--	--	--	G	--	--
S300	--	--	--	--	--	--	G	--	--
S400	--	--	--	--	--	--	G	--	--
S other sizes	--	--	--	--	--	--	--	--	--
SH300	--	G	--	--	--	--	G	--	--
SH400	G	--	--	G	G	--	G	--	--
SH other sizes	G	--	--	--	--	--	G	--	--
TG/TY/TRED/TBLU all sizes	--	--	--	--	--	--	--	--	--
TR1-200	--	--	G	--	--	--	--	G	--
TR1-300	--	--	G	--	--	--	--	G	--
TR1-400	--	--	G	--	--	--	--	G	--
TR1 other sizes	--	--	--	--	--	--	--	G	--
TRS300	--	--	--	--	--	--	--	--	--
TSD all sizes	--	--	--	--	--	--	--	--	--
UBK200	--	G	--	--	--	--	G	--	--
UBK300	--	G	--	--	--	--	G	--	--
UBK400	G	--	--	--	--	--	G	--	--
UBK other sizes	G	--	--	--	--	--	G	--	--
UF1-200	--	G	--	--	--	--	G	--	--
UF1-300	G	--	--	--	--	--	G	--	--
UF1-400	G	--	--	--	--	--	G	--	--
UF1 other sizes	G	--	--	--	--	--	G	--	--
UF2-200	--	G	--	--	--	--	G	--	--
UF2-300	G	--	--	--	G	--	G	--	--
UF2-400	G	--	--	G	G	--	G	--	--
UF2 other sizes	G	--	--	--	--	--	G	--	--
UFC200	--	G	--	--	--	--	G	--	--
UFC300	--	G	--	--	--	--	G	--	--
UFC400	G	--	--	--	--	--	G	--	--
UV1/UVF150	G	--	--	--	--	--	G	--	--
UV1/UVF200	--	G	--	--	--	G	G	--	--
UV1/UVF300	--	G	--	--	--	G	G	--	--
UV1/UVF400	G	--	--	--	--	G	G	--	--
UV2-200	G	--	--	--	--	G	G	--	--
UV2-400	G	G	X	X	X	G	G	X	X

NOTE: Banding coils and sleeves must be used in conjunction with a suitable hose clamp.
Refer to the individual accessory pages in our Kuriyama-Couplings™ Catalog for detailed information on size availability.
CAUTION NOTE: This chart is provided only as a guideline for selection of hose accessories. Actual results will vary due to manufacturing tolerances.

Tigerflex™ Accessories Compatability Chart

G = Suggested
-- = Not Suggested

Series	Banding Coils			Banding Sleeves			Clamps		Cuff
	BCCF	BCWF	BCRT	SLV-VLT	SLV-DRP	SLV-VAP	SDBC	SDBC-R	A2150L1
UV1/UVF other sizes	G	--	--	--	--	--	G	--	--
UV2-300	G	--	--	--	--	--	G	--	--
UV2 other sizes	G	--	--	--	--	--	G	--	--
UV3-300	G	G	--	--	--	G	G	--	--
UV3-400	G	--	--	--	--	--	G	--	--
UV3 other sizes	G	--	--	--	--	--	G	--	--
UVPE all sizes	--	--	--	--	--	--	G	--	--
VOLT200	G	--	--	--	--	G	G	--	--
VOLT300	G	G	--	--	--	G	G	--	--
VOLT400	G	--	--	G	G	--	G	--	--
VOLT other sizes	G	--	--	--	--	--	G	--	--
VLT-SD300	G	--	--	--	G	--	G	--	--
VLT-SD400	G	--	--	G	G	--	G	--	--
VLT-SD other sizes	G	--	--	--	--	--	G	--	--
W200	--	G	--	--	--	--	G	--	--
W300	--	G	--	--	--	--	G	--	--
W400	G	--	--	G	G	--	G	--	--
W other sizes	G	--	--	--	--	--	G	--	--
WBS200	--	G	--	--	--	--	G	--	--
WBS300	--	G	--	--	--	--	G	--	--
WBS400	G	--	--	--	--	--	G	--	--
WBS other sizes	G	--	--	--	--	--	G	--	--
WE200	--	G	--	--	--	--	G	--	--
WE300	--	G	--	--	G	--	G	--	--
WE400	G	--	--	--	--	--	G	--	--
WE other sizes	G	--	--	--	--	--	G	--	--
WG200	--	G	--	--	--	--	G	--	--
WG300	--	G	--	--	--	--	G	--	--
WG400	G	--	--	G	G	--	G	--	--
WG other sizes	G	--	--	--	--	--	G	--	--
WH200	--	G	--	--	--	--	G	--	--
WOR150	G	--	--	--	--	--	G	--	--
WOR200	--	G	--	--	--	G	G	--	--
WOR300	G	G	--	--	G	--	G	--	--
WOR400	G	--	--	G	G	--	G	--	--
WST/WSTF300	G	G	--	--	G	--	G	--	--
WST/WSTF400	G	G	--	G	G	--	G	--	--
WST/WSTF other sizes	G	--	--	--	--	--	G	--	--
WT200	--	G	--	--	--	--	G	--	--
WT300	G	G	--	--	--	--	G	--	--
WT400	G	--	--	G	G	--	G	--	--
WT other sizes	G	--	--	--	--	--	G	--	--

NOTE: Banding coils and sleeves must be used in conjunction with a suitable hose clamp.
Refer to the individual accessory pages in our Kuriyama-Couplings™ Catalog for detailed information on size availability.
CAUTION NOTE: This chart is provided only as a guideline for selection of hose accessories. Actual results will vary due to manufacturing tolerances.

Quality Assurance

ISO 9001:2008 Registration

Tigerflex™ hoses are manufactured in our own plant with ISO 9001:2008 registered quality management systems.

The ISO 9001 family of standards represents an international consensus on good manufacturing practices with the aim of ensuring that the organization consistently delivers the product or services that meet the customer's quality requirements.

ISO 9001 is a quality assurance model against which a plant's quality system can be independently audited.

Compliance Footnotes for Tigerflex™ Catalog Products

(01) 3A – Material approved by 3-A Sanitary Standards, Inc. for multi-use plastic materials, number: 20-25, as product contact surfaces in equipment for production, processing and handling of milk and milk products.

(02) BSE/TSE – The majority of the raw materials used in our formulations are not manufactured or derived from materials of animal origin. Nor do our products come into contact with materials of animal origin during processing. Our suppliers of raw materials have assured us their compounds exceed the relevant European Guidance on minimizing the Risk of Transmitting Animal Spongiform Encephalophy Agents Via Human and Veterinary Medical Products.

(03) FDA – Material conforms to CFR title 21, parts 170-199.

(04) FDA – Material conforms to CFR title 21, parts 177.1680 and 177.2600.

(05) FDA – Material conforms to CFR title 21, parts 177.2600 and 175.105.

(06) FDA – Material conforms to CFR title 21, parts 177.2800 (5)(i), 21 CFR 170.39.

(07) IAPMO – Hose approved by International Association of Plumbing and Mechanical Officials for use on circulating, return and main drain piping on spas, hot tubs, and swimming pools. Manufactured in compliance with IAPMO PS 33-2007.

(08) MSHA – Hose approved by the United States Department of Labor's Mine Safety and Health Administration as having met Part 18, Title 30 CFR, and the Interim Fire Criteria for Acceptance of Products Taken into Underground Mines as water transfer hose.

(09) MSHA – Hose approved by the United States Department of Labor's Mine Safety and Health Administration as having met the Interim Fire Criteria Acceptance of Products Taken Into Underground Mines as a hydraulic hose/hose bundle protection sleeve. Not intended for protection of electrical cables, and not intended for the repair or conveying of damaged hydraulic hoses.

(10) RoHS – The product complies with the requirements of the EU directive 2002/95/EC which is on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

(11) USDA – Hose approved by the US Department of Agriculture for use in federally inspected meat and poultry plants.

Flexibility

The terms Flexibility and Minimum Bend Radius are often used interchangeably. However, while closely related, their meanings are different.

Minimum Bend Radius is generally defined as the smallest radius to which a hose can be bent without damage. Tigerflex™ defines damage as a 5% reduction of the hose OD at the bend point (before kinking/collapse). Other manufacturers may define damage as complete hose kinking/collapse.

Flexibility is defined as the amount of force required in order to bend the hose to a specified radius without kinking. In order to provide a better understanding of the flexibility of Tigerflex™ hoses we've performed extensive force-to-bend testing. This data provides a clearer picture of the actual flexibility of our hoses in order to assist in your hose selection process.

Food Grade			
	Force to Bend (Lbs./F) *		
Series	2" ID x 3 ft.	3" ID x 5 ft.	4" ID x 7 ft.
GTF/GTFE	0.3	0.8	3.5
UVF	2.5	3.6	5.5
WT	4.5	6.5	16.0
WE	5.5	8.8	21.4
2001	5.6	9.0	21.0
WBS	5.5	13.1	22.0
WSTF	-	14.0	22.0
VOLT	7.8	15.0	22.0
MILK-LT	10.0	15.0	-
MILK	11.0	17.0	-
FT	13.0	24.0	41.0
2020	-	31.0	41.0
VLT-SD	-	33.0	42.4

Material Handling			
	Force to Bend (Lbs./F) *		
Series	2" ID x 3 ft.	3" ID x 5 ft.	4" ID x 7 ft.
UV2	3.4	5.5	7.0
TR2	-	-	7.4
BARK	-	-	7.6
MULCH-LT	-	-	8.0
TR1	3.4	5.0	8.0
GC/GC-C	-	-	9.0
UBK	6	8	11.5
UV3	-	7.0	13.0
UFC	4.8	8.0	12.2
UF1	4.8	8.0	12.2
UVPE	5.5	7.5	-
AMPH	5.5	10.0	15.5
UF2	5.5	10.1	17.2
MULCH	-	-	18.2
PF	-	13.0	19.0

Ducting			
	Force to Bend (Lbs./F) *		
Series	2" ID x 3 ft.	3" ID x 5 ft.	4" ID x 7 ft.
CG/CG-SL	0.5	1.2	2.1
GT/GTG	0.5	1.5	2.8
LK/LKC	-	1.8	3.0
UV1	3.0	3.7	5.5

Liquid Suction			
	Force to Bend (Lbs./F) *		
Series	2" ID x 3 ft.	3" ID x 5 ft.	4" ID x 7 ft.
WH/SH	2.8	2.5	3.5
MH	2.8	-	-
WOR	2.8	5.3	10.0
W	4.0	9.5	7.3
WG	4.5	10.0	15.0
BW	7.8	12.3	19.5
ORV	10.0	12.0	-
TG/TY	12.0	11.2	22.0
TRED/TBLU	12.0	11.2	22.0
WST	-	14.0	21.0
CF	14.5	14.0	28.5
TRS	-	17.0	-
TSD	14.8	18.8	-
H/J/K	12.1	24.0	34.0
OV	19.0	29.0	-
S	24.6	29.0	35.5
F/G	26.0	31.0	47.0

A lower force-to-bend value indicates a more flexible hose.

*Values listed indicated pounds of force required to bend a straight length of hose to 180° at 68°F.

These recommendations are based on our laboratory test reports which are, to the best of our knowledge, complete and accurate. However, actual hose force-to-bend requirements can vary due to many factors such as hose age and manufacturing tolerances. Therefore, no guarantee is expressed or implied by our publication of this chart. If doubt exists, we advise that a sample of the hose in question be obtained and tested under actual conditions. These values are provided for reference only and are subject to change.

Care and Maintenance

Hoses have a limited service life and users must be alert to signs of impending failure. Users of industrial hose should have safety and inspection procedures in place. Hose users should be trained how to properly inspect a hose for signs of impending failure. Hose should be routinely inspected for signs of damage.

Length of hose service life is affected by several factors including the type of material conveyed, pressure, vacuum, number and degree of bends, amount of flexing and exposure to environmental elements. Since we have no control over the way in which the hose is used, we do not warrant our hose for any particular service life.

Hoses and fittings should be routinely inspected for signs of damage, such as:

- Cuts, cracks, severe abrasions or holes in the hose tube, helical support or grounding wire
- Ovaling, kinking, bulging or any other deformation of the hose's normal shape
- Hardening or soft spots
- Flaking or chipping
- Misalignment or weakening of the coupling retention
- Fitting or clamp damage such as loose clamps, missing pins, worn threads excessive corrosion

If any of these signs of damage are observed, contact your hose supplier for replacement or repair.

Recommended Practices

Hoses should only be used to convey materials compatible with hose construction. Refer to the Chemical Resistance and Application Guides in this catalog.

Hoses should not be used at levels that exceed their working pressure or vacuum ratings, and should not be subjected to severe pressure spikes or abrupt drops in pressure.

Hoses can sustain damage at high temperatures. Care should be exercised to not exceed the temperature limits of the hose. Hose should not be installed near sources of high heat.

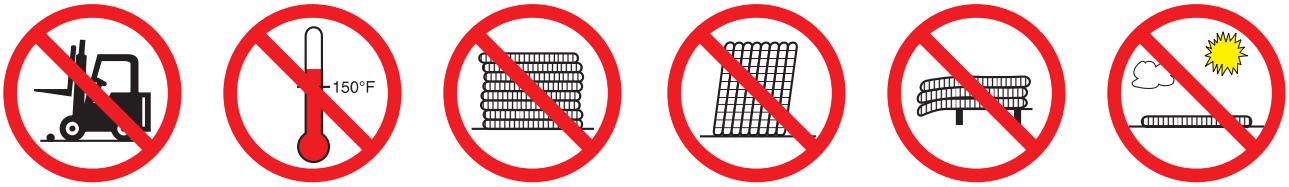
Do not subject hose to abuse during service. Hose should not be thrown, dropped or subjected to severe impacts. Machinery should not be moved by pulling on the hose. Protect the hose from sharp edges and corners by using appropriate hose covers or sleeves.

If hose is used in a suspended position it should be supported in multiple points with use of proper hose slings in order to evenly distribute the hose weight.

Hose should not be used in applications where hose failure would result in contents exposure to open flame or other ignition sources.

When not in service hoses should be drained and stored properly.

Storage and Handling



The following storage conditions and handling procedures can enhance and substantially extend the ultimate life of Tigerflex™ hose.

Upon receipt of Tigerflex™ product, skids should be broken down and product inspected for shipping damage. Skids are configured for shipping purposes only.

Hose should be stored indoors out of direct sunlight. Hose should be stored a minimum of ten feet from fluorescent light fixtures.

Hose should always be stored flat on smooth surfaces. Hose should not be stored on its side as this can cause the section of the hose resting on the ground to become deformed, or “egg shaped”.

Hose coils should not be stacked more than six coils high. Larger diameter hoses, 4” and above, should be stacked fewer than six coils high. Please refer to the following chart for recommended maximum stacking height requirements by hose size:

Hose Size (ID)	3/4”	1”	1-1/4”	1-1/2”	2”	2-1/2”	3”	4”	5”	6”	8”+
Max Coil Stack Height	6	6	6	6	6	6	6	5	3	2	1

Exceeding these coil stacking requirements may cause the compression load factor on the bottom coil to exceed the hose’s load limitations, causing the bottom coil to flatten out.

Hose should be pulled from inventory on a first-in, first-out (FIFO) basis.

During storage, hose should be kept in its original wrapping when possible, and kept free of dust and dirt.

Hose should not be exposed to water, oils, solvents, or corrosive liquids and fumes during storage. Hose should be protected from rodents and insects.

Rubber hoses should not be stored near electrical equipment. The motor in the equipment can generate ozone, which can attack and damage rubber hose.

Hose should not be subjected to extreme temperatures. Ideal hose storage temperature is between 50°F and 70°F, and ideally should not exceed 100°F. Be aware, when the air temperature is over 90°F outdoor ground surfaces such as asphalt, concrete and gravel can be in excess of 150°F. Such extreme heat conditions could reduce service life of thermoplastic products. Do not store hoses near heat sources such as heat vents, heaters or radiators. Hoses should not be exposed to dampness or high humidity during storage.

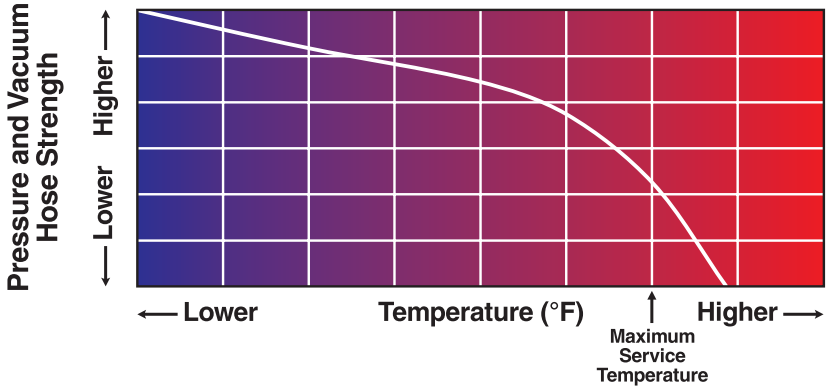
Hose should not be kinked or run over by any equipment. Do not drag the hose during storage & shipping. In the handling of larger ID hose, dollies should be used in transporting whenever possible. Slings or handling rigs, properly placed in multiple locations throughout the hose, should be used to support heavier hose. Hanging and supporting coils using forklift forks without protection may damages hose.

The Effect of Temperature on Working Pressure & Vacuum Ratings

As a general rule, the working pressure and vacuum ratings for plastic reinforced hoses are based on room temperature conditions. The maximum allowable working pressure or vacuum/suction for a hose decreases as the temperature increases and the material becomes softer and more elastic. Excessive bending of a hose while in service can also affect the allowable service application working pressure and vacuum.

Working pressure and vacuum ratings can be affected significantly by the type of fitting used, the method of attachment, and the temperature to which the hose assembly is exposed in service. The graph below demonstrates the overall trend.

Pressure and vacuum hose strength decreases as temperature increases



Working Pressure Ratings

Working pressure and vacuum ratings are given in this catalog at 68°F and 104°F. Between 104°F and the maximum service temperature, it must be noted that a rapid decline in the pressure or vacuum rating of the hose may occur, and all factors relating to the hose, fittings and service conditions must be taken into consideration.

No warranty is expressed or implied, as applications and methods of fitting installation may vary widely. Before placing a hose in service, the user must determine the suitability of the product under the correct working conditions, and assumes all risk and liability in connection therewith.

Chemical Resistance Guides

Many new materials have been developed to handle the wide range of modern chemicals being used in industry today. Many of these materials are now being used in the construction of Tigerflex™ hose.

The Chemical Resistance Guides which appears on the following pages have been prepared to assist the user in the selection of the correct hose for the application.

These recommendations are based on laboratory and test reports which are, to the best of our knowledge, complete and accurate. However, the degree of chemical resistance of any given material depends upon many variables, including such factors as length of exposure, temperature, pressure, fluid velocity, and chemical concentration.

Therefore, no guarantee is expressed or implied by our publication of these Chemical Resistance Guides. If an element of doubt exists, we advise that a sample of the specific hose selected be obtained and tested under actual conditions.

Furthermore, listings in these Chemical Resistance Guides do not imply conformance to any U. S. Department of Agriculture (USDA), Food and Drug Administration (FDA) or any other federal, provincial or state laws which may be applicable when handling food products. For information on the conformance of any specific hose product with FDA, USDA, or 3-A Sanitary Standards, please refer to the notes accompanying the information and specifications for each hose featured in this catalog.

Warning

The Chemical Resistance Guides shown on the following pages are intended for general guidance only. The information contained therein is based upon tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. No warranty is expressed or implied, as specific application parameters, such as temperature, pressure and chemical concentrations vary widely. Furthermore, use of these hoses for handling multiple chemical products, either singly or as a mixture, may introduce uncontrollable factors relating to chemical resistance.

Before using any hose, the user is responsible for determining the suitability of the hose for the intended application. Therefore, the user assumes all risk and responsibility for determining the suitability of any hose for handling any chemical or chemicals.

PVC and Polyurethane Chemical Resistance Guide

Key: E — Excellent G — Good L — Limited U — Unsatisfactory

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Acetaldehyde	U	U	U	U
Acetaldehyde 40 Pct.	—	—	—	—
Acetate Solvents-Crude	U	U	L	U
Acetate Solvents-Pure	U	U	L	U
Acetic Acid 0-10 Pct.	G	L	U	U
Acetic Acid 10-20 Pct.	G	L	U	U
Acetic Acid 20-30 Pct	G	L	U	U
Acetic Acid 30-60 Pct.	G	L	U	U
Acetic Acid 80 Pct.	L	L	U	U
Acetic Acid Vapors	G	G	U	U
Acetic Acid-Glacial	L	U	U	U
Acetic Anhydride	U	U	U	U
Acetone	U	U	L	U
Acetylene	E	E	E	E
Acrylonitrile	E	G	—	—
Adipic Acid	G	L	U	U
Alcohol (See Type)	—	—	—	—
Allyl Alcohol 96 Pct.	U	U	U	U
Allyl Chloride	L	L	U	U
Alum	E	E	E	E
Aluminum Acetate	G	L	—	—
Aluminum Chloride	E	E	L	L
Aluminum Fluoride	E	E	E	E
Aluminum Hydroxide	E	L	G	L
Aluminum Nitrate	E	E	E	E
Aluminum Oxalate	—	—	—	—
Aluminum Oxychloride	E	E	—	—
Aluminum Sulfate	E	E	E	E
Ammonia – Aqueous	L	U	L	U
Ammonia – Dry Gas	L	U	L	U
Ammonia-Liquid	U	U	L	U
Ammoniated Latex	E	L	—	—
Ammonium Bicarbonate	—	—	—	—
Ammonium Carbonate	E	E	E	E
Ammonium Chloride	E	E	G	L
Ammonium Fluoride 25 Pct.	U	U	L	U
Ammonium Hydrosulphide	—	—	—	—
Ammonium Hydroxide 28 Pct.	G	G	L	U
Ammonium Metaphosphate	E	E	G	G
Ammonium Nitrate	E	E	G	G
Ammonium Persulfate	E	E	G	G
Ammonium Phosphate (Ammoniacal)	—	—	—	—
Ammonium Phosphate-Neutral	E	E	G	G
Ammonium Sulfate	E	E	E	E
Ammonium Sulfide	E	E	E	E
Ammonium Thiocyanate	E	E	G	G
Amyl Acetate	U	U	U	U
Amyl Alcohol	L	U	U	U
Amyl Chloride	U	U	—	—
Aniline	L	U	U	U
Aniline Chlorohydrate	U	U	U	U
Aniline Hydrochloride	U	U	U	U
Aniline Sulphate	—	—	—	—
Animal Oils	E	G	—	—
Anthraquinone	E	E	—	—
Anthraqunonesulfonic Acid	E	E	U	U
Antimony Pentaculcride	—	—	—	—
Antimony Trichloride	E	E	E	E
Apple (Sauce or Juice)	E	E	—	—
Aqua Regia	L	U	U	U
Aromatic Hydrocarbons	U	U	—	—
Arsenic Acid 80 Pct.	E	G	U	U
Arylsulfonic Acid	L	U	U	U
Asphalt	U	U	E	E
ASTM Fuel #1 Oil	G	L	E	E
ASTM Fuel #3 Oil	L	U	E	E
ASTM Fuel A	G	L	E	E
ASTM Fuel B	U	U	G	L
ASTM Fuel C	U	U	G	L
Baby Food	E	E	—	—
Barium Carbonate	E	E	E	E
Barium Chloride	E	E	E	E
Barium Hydroxide	E	E	G	L
Barium Sulfate	E	E	E	E
Barium Sulfide	E	E	E	E

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Barley	E	U	—	—
Beer	E	E	—	—
Beet-Sugar Liquor	E	E	—	—
Benzaldehyde	U	U	U	U
Benzene	U	U	L	U
Benzene-Sulfonic Acid 10 Pct.	E	E	U	U
Benzoic Acid	G	L	U	U
Benzol	U	U	L	U
Benzyl Alcohol	—	—	—	—
Berries	E	E	—	—
Bismuth Carbonate	E	E	E	E
Black Liquor (Paper industry)	E	E	—	—
Bleach-12.5 Pct. Active CL	G	L	L	U
Borax	E	G	E	E
Bordeaux Mixture	E	E	—	—
Boric Acid	E	E	U	U
Boron Trifluoride	E	E	E	E
Brine	E	E	G	U
Bromic Acid	E	L	U	U
Bromine-Liquid	U	U	U	U
Bromine-Water	U	U	U	U
Brussel Sprouts	E	E	—	—
Butadiene	L	U	—	—
Butane	E	E	E	E
Butanediol	—	—	—	—
Butanol-Primary	U	U	L	U
Butanol-Secondary	U	U	L	U
Butter	G	L	—	—
Butyl Acetate	U	U	L	U
Butyl Alcohol	E	L	L	U
Butyl Cellosolve	U	U	—	—
Butyl Phenol	L	U	—	—
Butylene	E	G	E	E
Butynedial (Erythritol)	U	U	U	U
Butyraldehyde	—	—	—	—
Butyric Acid 20 Pct.	L	U	L	U
Calcium Bisulfite	E	E	E	E
Calcium Carbonate	E	E	E	E
Calcium Chlorate	E	E	G	L
Calcium Chloride	E	E	L	U
Calcium Hydroxide	E	E	G	L
Calcium Hypochlorite	E	E	U	U
Calcium Nitrate	E	E	E	E
Calcium Phosphate	—	—	—	—
Calcium Sulfate	E	E	E	E
Camphor Oil	—	—	—	—
Cane Sugar Liquors	E	E	—	—
Carbon Bisulfide	U	U	—	—
Carbon Dioxide (Aqueous Solution)	E	E	E	E
Carbon Dioxide Gas (Wet)	E	E	E	E
Carbon Disulphide	U	U	—	—
Carbon Monoxide	E	E	E	E
Carbon Tetrachloride	U	U	L	U
Carbonic Acid	E	E	U	U
Carrots	E	E	—	—
Casein	E	G	E	E
Castor Oil	E	E	E	E
Catsup	E	G	—	—
Caustic Potash	E	E	L	U
Caustic Soda	E	E	L	U
Cellosolve	L	U	G	L
Cheese	E	G	—	—
Cherries	E	E	—	—
Chloracetic Acid	E	U	U	U
Chloral Hydrate	E	E	G	L
Chloric Acid 20 Pct.	E	E	U	U
Chlorinated Hydrocarbons	U	U	—	—
Chlorine Gas (Dry)	E	E	U	U
Chlorine Gas (Moist)	L	U	U	U
Chlorine Water 2 Pct.	L	U	L	U
Chlorine Water Saturated	—	—	—	—
Chlorobenzene	U	U	U	U
Chloroform	U	U	U	U
Chlorsulfonic Acid	L	U	U	U
Chocolate	G	L	—	—
Chrome Alum	E	E	E	E

PVC and Polyurethane Chemical Resistance Guide

Key: E — Excellent G — Good L — Limited U — Unsatisfactory

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Chromic Acid 10 Pct.	G	L	U	U
Chromic Acid 25 Pct.	G	L	U	U
Chromic Acid 30 Pct.	L	U	U	U
Chromic Acid 40 Pct.	L	U	U	U
Chromic Acid 50 Pct.	L	U	U	U
Chromic Acid Plating Solution	—	—	U	U
Cider	—	—	—	—
Citric Acid	E	E	U	U
Coal Tar	U	U	U	U
Coconut Oil	L	U	E	E
Cola Drinks	E	E	—	—
Copper Chloride	E	G	E	E
Copper Cyanide	E	E	—	—
Copper Fluoride 2 Pct.	E	E	E	E
Copper Nitrate	E	G	E	E
Copper Sulfate	E	G	E	E
Core Oils	E	E	E	E
Corn Oils	E	G	—	—
Cottonseed Oil	G	L	E	E
Creosote	U	U	—	—
Cresol	U	U	L	U
Cresylic Acid 50 Pct.	U	U	U	U
Crude Oil-Sour	E	E	E	E
Crude Oil-Sweet	E	E	E	E
Cyclohexane	L	U	—	—
Cyclohexanol	U	U	L	U
Cyclohexanone	U	U	U	U
Demineralized Water	E	E	G	U
Detergents, Synthetic	E	G	—	—
Developers, Photographic	E	E	—	—
Dextrin	E	E	E	E
Dextrose	E	G	E	E
Di-acetone Alcohol	—	—	—	—
Di-isodecyl Phthalate	U	U	—	—
Diazo Salts	E	E	—	—
Dibutyl Phthalate	U	U	—	—
Dichlorobenzene	U	U	—	—
Diesel Oils	L	U	—	—
Diethyl Ether	—	—	—	—
Diethyl Ether	L	U	—	—
Diethylene Glycol	E	E	—	—
Diglycolic Acid	E	G	—	—
Dimethylamine	U	U	U	U
Dioctyl Phthalate	U	U	—	—
Diotylphthalate	U	U	G	L
Disodium Phosphate	E	E	E	E
Distilled Water	E	E	G	U
Eggs (yolks or white)	E	E	—	—
Emulsifiers	E	E	—	—
Emulsions, Photographic	E	E	—	—
Ethers	U	U	G	L
Ethyl Acetate	U	U	L	U
Ethyl Acrylate	U	U	—	—
Ethyl Alcohol	G	L	—	—
Ethyl Alcohol 0-50 Pct.	G	L	G	L
Ethyl Alcohol 50-98 Pct.	L	U	L	U
Ethyl Butyrate	—	—	—	—
Ethyl Chloride	U	U	U	U
Ethyl Ether	U	U	G	L
Ethyl Formate	—	—	—	—
Ethylene Bromide	E	U	U	U
Ethylene Dichloride	U	U	U	U
Ethylene Glycol	E	E	G	L
Ethylene Oxide	U	U	U	U
Fatty Acids	E	G	G	L
Ferric Chloride	E	E	G	L
Ferric Nitrate	E	E	E	E
Ferric Sulfate	E	E	E	E
Ferrous Ammonium Citrate	—	—	—	—
Ferrous Chloride	E	E	E	E
Ferrous Sulfate	E	E	E	E
Figs	E	E	—	—
Fish Solubles	E	E	E	G
Fixing Solution Photographic	E	G	—	—
Flour	E	U	—	—
Fluorine Gas-Dry	U	U	U	U

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Fluorine Gas-Wet	U	U	U	U
Fluoroboric Acid	E	E	E	E
Fluorosilicic Acid	E	E	U	U
Fluorosilicic Acid 40 Pct.	—	—	—	—
Fluorosilicic Acid Concentrate	—	—	—	—
Food Products, such as Milk, Buttermilk, Molasses, Salad Oils, Fruit	E	E	—	—
Foric Acid	E	L	U	U
Formaldehyde 40 Pct. Aqueous	U	U	—	—
Formic Acid 10 Pct.	E	G	U	U
Formic Acid 100 Pct.	U	U	U	U
Formic Acid 25 Pct.	E	G	—	—
Formic Acid 3 Pct.	E	G	U	U
Formic Acid 50 Pct.	L	U	U	U
Freon-12	E	G	E	E
Fructose	E	E	E	E
Fruit Pulps and Juices	E	E	E	E
Fuel Oil	G	L	E	E
Furfural	U	U	U	U
Furfuryl Alcohol	E	L	—	—
Gallic Acid	E	E	—	—
Gas-Coke Oven	G	G	G	G
Gas-Manufactured	U	U	—	—
Gas-Natural (Dry)	E	E	E	E
Gas-Natural (Wet)	E	E	E	E
Gasoline	U	U	—	—
Gasoline – Refined	L	U	E	G
Gasoline – Sour	L	U	E	G
Gelatine	E	E	E	E
Gin	E	G	—	—
Ginger Ale	E	E	—	—
Glucose	E	E	E	E
Glycerine (Glycerol)	E	E	E	E
Glycol	E	E	G	G
Glycolic Acid 30 Pct.	E	E	U	U
Grade Sugar	—	—	—	—
Grape Juice	E	E	—	—
Grapefruit Juice	E	E	—	—
Grease	E	L	—	—
Green Liquor (Paper industry)	E	E	—	—
Heptachlor	E	L	—	—
Heptane	L	U	E	—
Hexadecanol	—	—	—	—
Hexane	L	U	—	—
Hexanol, Tertiary	L	U	G	—
Honey	E	E	—	—
Hydrochloric Acid 10 Pct.	E	E	U	U
Hydrochloric Acid 48 Pct.	E	L	U	U
Hydrocyanic Acid 10 Pct.	—	—	—	—
Hydrofluoric Acid 10 Pct.	G	L	U	U
Hydrofluoric Acid 4 Pct.	G	G	U	U
Hydrofluoric Acid 48 Pct.	G	U	U	U
Hydrofluoric Acid 60 Pct.	G	U	U	U
Hydrofluoroboric Acid	E	E	—	—
Hydrofluorosilic Acid	G	L	U	U
Hydrogen	E	G	E	E
Hydrogen Bromide (Dry)	—	—	—	—
Hydrogen Chloride (Dry) (Liquid)	—	—	E	E
Hydrogen Cyanide	E	E	U	U
Hydrogen Peroxide 3 –12 Pct.	E	G	—	—
Hydrogen Peroxide 30 Pct.	E	G	G	L
Hydrogen Peroxide 50 Pct.	E	L	L	U
Hydrogen Peroxide 90 Pct.	U	U	U	U
Hydrogen Phosphide	E	L	—	—
Hydrogen Sulfide – Aqueous Solution	E	E	—	—
Hydrogen Sulfide – Dry	E	E	—	—
Hydrombromic Acid 20 Pct.	E	G	U	U
Hydroquinone	E	E	E	E
Hydroxylamine Sulfate	E	E	—	—
Hypochlorous Acid	E	E	L	U
Inks	—	—	—	—
Iodine (In Alcohol)	U	U	U	U
Iso-octane	G	L	—	—
Isopropyl Acetate	U	U	—	—
Isopropyl Alcohol	E	G	—	—
Jelly	E	E	—	—

PVC and Polyurethane Chemical Resistance Guide

Key: E — Excellent G — Good L — Limited U — Unsatisfactory

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Jet Fuels JP 3,4,5	U	U	G	L
Kerosene	U	U	E	G
Ketones	U	U	—	—
Kraft Liquor (Paper industry)	E	E	—	—
Lacquer Thinners	L	U	G	—
Lactic Acid 28 Pct.	E	E	U	U
Lard (marginal)	G	L	—	—
Lard Oil	E	G	E	G
Lauric Acid	E	E	L	U
Lauryl Chloride	E	E	E	G
Lauryl Sulfate	E	E	—	—
Lead Acetate	E	E	E	E
Lead Arsenate	—	—	—	—
Lead Nitrate	—	—	—	—
Lead Tetra-ethyl	—	—	—	—
Lemon Juice	E	G	—	—
Lime Sulfur	E	E	—	—
Linoleic Acid	E	E	L	U
Linseed Oil	E	E	E	E
Liquors (Chemical)	E	G	—	—
Lubricating Oils	U	U	E	E
Magnesium Carbonate	E	E	E	E
Magnesium Chloride	E	E	G	L
Magnesium Hydroxide	E	E	G	L
Magnesium Nitrate	E	E	E	E
Magnesium Sulfate	E	E	E	E
Maleic Acid 25 Pct. Aqueous	E	E	L	U
Maleic Acid 50 Pct.	—	—	—	—
Maleic Acid Concentrated	—	—	—	—
Malic Acid	E	E	L	U
Manganese Suphate	—	—	—	—
Mayonnaise	E	E	—	—
Mercuric Chloride	G	G	G	L
Mercuric Cyanide	G	G	—	—
Mercurous Nitrate	G	G	G	G
Mercury	G	G	—	—
Metallic Soaps	—	—	—	—
Methyl Acetate	U	U	—	—
Methyl Alcohol	L	U	L	U
Methyl Bromide	U	U	—	—
Methyl Chloride	U	U	U	U
Methyl Ethyl Ketone	U	U	L	U
Methyl Isobutyl Ketone	U	U	—	—
Methyl Sulfate	E	G	E	G
Methyl Sulfuric Acid	E	E	U	U
Methylated Spirit	—	—	—	—
Methylene Chloride	U	U	U	U
Milk	E	E	—	—
Mineral Oils	E	G	E	E
Mineral Spirits	—	—	—	—
Molasses	E	E	E	E
Monochlorobenzene	U	U	—	—
Naphtha	U	U	E	E
Napthalene	L	U	—	—
Nickel Acetate	E	E	E	E
Nickel Chloride	E	E	E	E
Nickel Nitrate	E	E	E	E
Nickel Sulphate	E	E	E	E
Nicotine	E	E	E	E
Nicotine Acid	E	G	L	U
Nitric Acid (Anhydrous)	U	U	U	U
Nitric Acid 10 Pct.	E	G	U	U
Nitric Acid 25 Pct.	G	L	U	U
Nitric Acid 35 Pct.	G	L	U	U
Nitric Acid 40 Pct.	G	L	U	U
Nitric Acid 50 Pct.	—	—	—	—
Nitric Acid 60 Pct.	G	U	U	U
Nitric Acid 68 Pct.	L	U	U	U
Nitric Acid 70 Pct.	U	U	—	—
Nitrobenzene	U	U	U	U
Nitrous Oxide	E	E	E	E
Oats	E	U	—	—
Octyl Alcohol	—	—	—	—
Oils and Fats	E	G	E	E
Oils, Petroleum	E	G	E	E
Oleic Acid	G	L	U	U

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Oleum	U	U	U	U
Olives	E	E	—	—
Orange Juice	E	E	—	—
Oxalic Acid	E	E	U	U
Oxygen	E	E	E	E
Ozone	L	U	—	—
Palmitic Acid 10 Pct.	E	G	U	U
Palmitic Acid 70 Pct.	L	U	U	U
Paraffin	E	G	—	—
Peaches	E	E	—	—
Peanut Butter	E	G	—	—
Peas	E	E	—	—
Pentachlorophenol in Oil	G	L	—	—
Pentane	G	U	—	—
Peracetic Acid 40 Pct.	U	U	U	U
Perchloric Acid 10 Pct.	G	L	U	U
Perchloric Acid 70 Pct.	L	U	U	U
Perchlorethylene	U	U	—	—
Petrol	U	U	—	—
Petroleum Ether	L	L	—	—
Phenol	U	U	U	U
Phenylhydrazine	U	U	—	—
Phenylhydrazine Hydrochloride	L	U	—	—
Phosgene (Gas)	E	G	—	—
Phosgene (Liquid)	U	U	—	—
Phosphoric Acid — 0-25 Pct.	E	E	U	U
Phosphoric Acid — 25-50 Pct.	E	E	U	U
Phosphoric Acid — 50-90 Pct.	E	E	U	U
Phosphorus (Yellow)	G	L	—	—
Phosphorus Pentoxide	U	U	—	—
Phosphorus Trichloride	U	U	—	—
Photographic Chemicals	E	E	E	G
Photographic Developers	—	—	—	—
Photographic Emulsions	—	—	—	—
Photographic Fixers	—	—	—	—
Picric Acid	U	U	U	U
Pineapple Juice	E	E	—	—
Pitch	G	L	—	—
Plating Solutions	—	—	—	—
Brass	E	E	E	E
Cadmium	E	E	E	E
Chromium	G	G	G	G
Copper	E	E	E	E
Gold	E	E	E	E
Judium	E	E	E	E
Lead	E	E	E	E
Nickel	E	E	E	E
Rhodium	E	E	E	E
Silver	E	E	E	E
Tin	E	E	E	E
Zinc	E	G	E	E
Potassium Acid Sulfate	E	E	E	E
Potassium Antimonate	E	E	E	E
Potassium Bicarbonate	E	E	E	E
Potassium Bichromate	E	E	E	E
Potassium Bisulfite	E	E	E	E
Potassium Bisulphate	—	—	—	—
Potassium Borate 1 Pct.	E	E	E	E
Potassium Bromate 10 Pct.	E	E	E	E
Potassium Bromide	E	E	E	E
Potassium Carbonate	E	E	E	E
Potassium Chlorate	E	E	G	G
Potassium Chloride	E	E	E	G
Potassium Chromate 40 Pct.	E	E	G	G
Potassium Cuprocyanide	E	E	—	—
Potassium Cyanide	E	E	E	E
Potassium Dichromate 40 Pct.	E	E	G	G
Potassium Ferricyanide	E	E	E	E
Potassium Fluoride	E	E	E	G
Potassium Hydroxide 10 Pct.	E	E	L	U
Potassium Hydroxide 20 Pct.	E	E	U	U
Potassium Hydroxide 35 Pct.	E	E	U	U
Potassium Hydroxide Conc.	—	—	—	—
Potassium Hypochlorite	G	L	U	U
Potassium Nitrate	E	E	E	E
Potassium Perborate	E	E	E	E

PVC and Polyurethane Chemical Resistance Guide

Key: E — Excellent G — Good L — Limited U — Unsatisfactory

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Potassium Perchlorite	E	E	G	L
Potassium Permanganate 10 Pct.	G	G	G	L
Potassium Persulfate	E	E	E	E
Potassium Phosphate	—	—	—	—
Potassium Sulfate	E	E	E	E
Potassium Sulfide	E	E	E	E
Potassium Thiosulfate	E	E	E	E
Potatoes	E	E	—	—
Propane	E	E	E	E
Propargyl Alcohol	E	E	—	—
Propyl Alcohol	E	L	G	L
Propylene Dichloride	U	U	U	U
Propylene Glycol	U	U	U	U
Prune Juice	E	E	—	—
Raisins	E	E	—	—
Ritchfield "A" Weed Killer	E	L	—	—
Salicylic Acid	—	—	—	—
Salt Water	E	E	G	U
Selenic Acid	E	G	U	U
Shortening	G	L	—	—
Silicic Acid	E	E	U	U
Silicone Fluids	—	—	—	—
Silver Cyanide	E	E	E	E
Silver Nitrate	E	E	E	E
Silver Plating Solutions	E	G	E	E
Soap Solution	E	E	G	U
Soda	E	E	—	—
Sodium Acetate	E	E	E	E
Sodium Acid Sulfate	E	E	E	E
Sodium Aluminate	—	—	—	—
Sodium Antimonate	E	E	E	E
Sodium Arsenite	E	E	E	E
Sodium Benzoate	E	G	E	E
Sodium Bicarbonate	E	E	E	E
Sodium Bisulfate	E	E	E	E
Sodium Bisulfite	E	E	E	E
Sodium Bromide	E	E	E	G
Sodium Carbonate (Soda Ash)	E	E	E	E
Sodium Chlorate	G	L	G	G
Sodium Chloride	E	E	E	G
Sodium Cyanide	E	E	E	E
Sodium Dichromate	E	G	E	G
Sodium Ferricyanide	E	E	E	E
Sodium Ferrocyanide	E	E	E	E
Sodium Fluoride	E	E	E	G
Sodium Hydroxide 10 Pct.	E	E	L	U
Sodium Hydroxide 35 Pct.	E	G	U	U
Sodium Hydroxide 50 Pct.	E	L	—	—
Sodium Hydroxide Saturated	E	E	U	U
Sodium Hypochlorite	E	E	U	U
Sodium Nitrate	E	E	E	E
Sodium Nitrite	E	E	E	E
Sodium Phosphate-Acid	G	G	U	U
Sodium Silicate	E	E	E	E
Sodium Sulfate	E	E	E	E
Sodium Sulfide	E	E	E	E
Sodium Sulfite	E	E	E	E
Sodium Thisulfate (Hypo)	E	E	E	G
Soya Beans	E	U	—	—
Soya Oil	E	G	—	—
Soybean Oil	E	E	—	—
Spinach	E	E	—	—
Squash	E	E	—	—
Stannic Chloride	E	E	E	G
Stannous Chloride	E	G	E	G
Starch	—	—	—	—
Stearic Acid	E	G	L	U
Stoddard Solvent	L	U	G	G
Styrene	U	U	—	—
Sucrose	—	—	—	—
Sugar (All Forms)	E	E	—	—
Sulfur	G	G	—	—
Sulfuric Acid 0-10 Pct.	E	G	L	U
Sulfuric Acid 10-40 Pct.	E	G	U	U
Sulfuric Acid 50-60 Pct.	E	G	U	U
Sulfuric Acid 70 Pct.	E	G	U	U

Material Handled	Hose Materials of Construction and Temperatures			
	PVC		Thermoplastic Polyurethane	
	68°F	104°F	68°F	104°F
Sulfuric Acid 95 Pct.	U	U	U	U
Sulfuric Acid 95 Pct. to Fuming	L	L	U	U
Sulfurous Acid	G	L	U	U
Sulphur Dioxide Gas-Dry	E	E	—	—
Sulphur Dioxide Gas-Wet	U	U	—	—
Sulphur Dioxide-Liquid	L	U	—	—
Sulphur Trioxide	E	G	—	—
Sulphurous Acid 10 Pct.	—	—	—	—
Sulphurous Acid 30 Pct.	—	—	—	—
Tall Oil	U	U	—	—
Tallow	—	—	—	—
Tannic Acid	E	E	L	U
Tanning Extracts	—	—	—	—
Tanning Liquors	E	E	—	—
Tartaric Acid	E	G	L	U
Tea (Brewed)	E	E	—	—
Tetraethyl Lead	G	L	G	G
Tetrahydrofurane	U	U	U	U
Tetrahydronaphihalene	—	—	—	—
Thionyl Chloride	U	U	U	U
Tin Chloride	E	E	E	E
Titanium Tertachloride	E	U	L	U
Titanium Trichloride	—	—	—	—
Toluol or Toluene	U	U	L	U
Tomato Juice	E	E	—	—
Tomato Puree & Paste	E	E	—	—
Tomatoes	E	E	—	—
Transformer Oil	—	—	—	—
Tributyl Phosphate	U	U	—	—
Trichlorobenzene	—	—	—	—
Trichloroethylene	U	U	L	U
Tricresyl Phosphate	U	U	U	U
Triethanolamine	L	U	—	—
Triethylamine	G	L	—	—
Trimethyl Propane	L	U	—	—
Trisodium Phosphate	E	E	E	E
Turpentine	L	U	E	G
Urea	E	G	E	E
Urine	E	E	E	E
Vanilla Extract	—	—	—	—
Varnish	U	U	E	G
Vegetable Oils	G	L	—	—
Vinegar	E	G	G	L
Vinyl Acetate	U	U	U	U
Vinyl Chloride	U	U	—	—
Vodka	E	G	—	—
Water-Acid Mine Water	E	E	G	U
Water-Distilled	E	E	G	U
Water-Fresh	E	E	G	U
Water-Salt	E	E	G	U
Wetting Agents	—	—	—	—
Whey	—	—	—	—
Whiskey	E	G	—	—
White Gasoline	E	E	E	G
White Liquor (Paper industry)	E	E	—	—
Wines	E	G	—	—
Xylene or Xylol	U	U	G	L
Yeast	E	U	—	—
Yogurt	E	G	—	—
Zinc Chloride	E	E	E	E
Zinc Chromate	E	E	E	E
Zinc Cyanide	E	E	E	E
Zinc Nitrate	E	E	E	E
Zinc Sulfate	E	E	E	E
Mixtures of Acids:				
Nitric 15 Pct., Hydrofluoric 4 Pct.	E	G	U	U
Sodium Dichromate 13 Pct., Nitric Acid 16 Pct., Water 71 Pct.	E	G	U	U

EPDM Chemical Resistance Guide

Key: G — Good L — Limited U — Unsatisfactory

Material Handled	68°F	104°F
Acetic Acid	G	G
Acetone	G	G
Aluminum Acetate	G	G
Aluminum Chloride	G	G
Aluminum Hydroxide	G	G
Aluminum Sulfate	G	G
Ammonia (Gas)	G	G
Ammonia (Liquid)	G	G
Ammonium Acetate (Conc.)	G	G
Ammonium Chloride	G	G
Ammonium Hydroxide	G	G
Ammonium Nitrate	G	G
Aniline	L	L
Aniline Sulfate	U	U
Barium Chloride	G	G
Barium Hydroxide	G	G
Beer	G	G
Benzen Alcohol	L	L
Benzene	U	U
Bromine	U	U
Butyl Alcohol	L	L
Calcium Carbonate	G	G
Calcium Chloride (Conc.)	G	G
Calcium Hyprocholite (Conc.)L	L	
Carbon Monoxide	G	G
Carbon Tetrachloride	L	L
Carbonic Acid	G	G
Carbonic Acid Gas	G	G
Cetyl Alcohol	L	L
Chlorine - 10% Gas	L	L
- 100% Gas	L	L
(Solution)	L	L
Chloroform	U	U
Chromate (Plating Solution)	L	L
Citric Acid	G	G
Copper Chloride	G	G
Copper Nitrate	G	G
Copper Sulfate	G	G
Creosote Oil	U	U

Material Handled	68°F	104°F
Development Sol.	L	L
Dextrin	G	G
Dichlorethylene	U	U
Dichloro Benzene	U	U
Diethyl Ether	G	G
Emulsifier	G	G
Ether	G	G
Ethyl Acetate	L	L
Ethyl Alcohol - 6%	G	G
- 100%	G	G
Ethylene Chloride	L	L
Ethylene Glycol	G	G
Fluorine	U	U
Glycerol	G	G
Grape Sugar	G	G
Hormamide- 40%	G	G
Hydrochloric Acid - 10%	G	L
- 20%	G	L
Concentrate	G	L
Hydrogen	G	G
Hydrogen Chloride (Anhydrous)	G	L
Hydrogen Peroxide - 3%	U	U
- 30%	U	U
(Above 80%)	U	U
Hydrogen Sulfide	G	G
Iodine	U	U
Iron Chloride	G	G
Iron Sulfate	G	G
Isopropyl Alcohol	G	G
Magnesium Carbonate	G	G
Magnesium Chloride	G	G
Magnesium Hydroxide	G	G
Magnesium Sulfate	G	G
Methanol - 20%	G	G
Methyl Alcohol- 6%	G	G
- 100%	G	G
Methyl Ethel Ketone	G	G
Methylene Chloride	L	L
Mineral Oil	U	U

Material Handled	68°F	104°F
Monochloro Benzene	U	U
Nitric Acid - 5%	L	L
- 50%	L	L
- 70%	U	U
- 95%	U	U
Oleic Acid	L	L
Ozone	G	G
Parraffin	U	U
Perchlorethylene	U	U
Phenol	L	L
Phosphoric Acid - 30%	G	G
Photosensitive Emulsion	G	G
Potassium Bichromate	U	U
Potassium Bromide	G	G
Potassium Chloride	G	G
Potassium Cyanide	G	G
Potassium Fluoride	G	G
Potassium Hydroxide - 10%	G	G
(Conc.)	G	G
Potassium Permanganate	U	U
Potassium Phosphate	G	G
Propylene Glycol	G	G
Sake (Alcohol)	G	G
Salt Water	G	G
Sauce	G	G
Sodium Bicarbonate	G	G
Sodium Chloride	G	G
Sodium Hydroxide - 10%	G	G
(Conc.)	G	G
Sodium Hypoclorite - 15%	G	G
Soy Sauce	G	G
Stearic acid	L	L
Sulfur Dioxide	U	U
Sulfuric Acid	L	L
Sulfurous Acid - 30%	L	L
Tetrahydrofuron	L	L
Toluene	U	U
Transformer Oil	U	U
Water	G	G
Zinc Chloride	G	G

SBR Chemical Resistance Guide

Key: G — Good L — Limited U — Unsatisfactory

Material Handled	68ºF
1,1-dichloroethylene	U
1,2-dichloroethane	U
Acetic Acid (10%)	L
Acetone	L
Aluminum Acetate	L
Aluminum Chloride	G
Aluminum Hydroxide	G
Aluminum Sulfide	L
Ammonia (Gas)	G
Ammonia (Liquid)	G
Ammonium Acetate (Conc.)	G
Ammonium Bicarbonate	G
Ammonium Chloride	G
Ammonium Hydroxide	U
Ammonium Nitrate	G
Aniline	U
Aniline Sulfate	U
Barium Chloride	G
Barium Hydroxide	G
Beer	L
Benzene	U
Benzyl Alcohol	U
Bromine	U
Butyl Alcohol	G
Calcium Carbonate	G
Calcium Chloride (Conc.)	G
Calcium Chloride (in 20% Mesh)	G
Calcium Hypochlorite (15% Cl2)	U
Calcium Hypochlorite (Conc.)	U
Carbon Dioxide	U
Carbon Monoxide	L
Carbon Tetrachloride	U
Carbonic Acid	L
Carbonic Acid Gas	G
Cetyl Alcohol	L
Chlorine (10% Gas)	U
Chlorine (100% Gas)	U
Chlorine (Solution)	U
Chloroform	U

Material Handled	68ºF
Chromate (25%)	U
Citric Acid	G
Copper Chloride	G
Copper Nitrate	G
Copper Sulfate	L
Creosote Oil	U
Dextrin	G
Dichlorobenzene	U
Dichloromethane	U
Diethyl Ether	U
Emulsifier	G
Ether	L
Ethyl Acetate	U
Ethyl Alcohol (100%)	G
Ethyl Alcohol (6%)	G
Ethylene Glycol	G
Fluorine	U
Formaldehyde (40%)	L
Glycerol	G
Grape Sugar	G
Hydrochloric Acid (10%)	L
Hydrochloric Acid (20%)	L
Hydrochloric Acid (Conc.)	L
Hydrogen	L
Hydrogen Chloride (Anhydride)	L
Hydrogen Peroxide (3%)	U
Hydrogen Peroxide (30%)	U
Hydrogen Peroxide (80% or more)	U
Hydrogen Sulfide	U
Iodine	U
Iron Chloride	G
Iron Sulfate	G
Isopropyl Alcohol	L
Magnesium Carbonate	G
Magnesium Chloride	G
Magnesium Hydroxide	L
Magnesium Sulfate	L
Methyl Alcohol (100%)	G
Methyl Alcohol (6%)	G

Material Handled	68ºF
Methyl Ethyl Ketone (MEK)	U
Mineral Oil	U
Monochlorobenzene	U
Nitric Acid (5%)	U
Nitric Acid (50%)	U
Nitric Acid (70%)	U
Nitric Acid (95%)	U
Nitrous Acid (10%)	L
Oleic Acid	U
Oxalic Acid	L
Ozone	U
Paraffin	U
Perchloroethylene	U
Phenol	U
Phosphoric Acid (30%)	U
Potassium Bichromate	U
Potassium Bromide	G
Potassium Chloride	G
Potassium Cyanide	G
Potassium Fluoride	G
Potassium Hydroxide (10%)	L
Potassium Hydroxide (Conc.)	L
Potassium Permanganate	U
Potassium Sulfate	G
Propylene Glycol	L
Sake	G
Salt Water	G
Sodium Bicarbonate	G
Sodium Chloride	G
Sodium Hydroxide (10%)	G
Sodium Hydroxide (Conc.)	G
Soy Sauce	G
Stearic Acid	L
Sulfuric Acid (10%)	U
Tetrahydrofuran	U
Toluene	U
Transformer Oil	U
Water	G
Zinc chloride	G

Tigerflex™ Products Custom Inquiry Form

Company Profile

Company Name _____ Contact _____

Address _____ City _____ State _____ Zip _____

Phone _____ Fax _____ E-mail _____

Application Details

Application _____

_____ Indoor ❑ Outdoor ❑

Material conveyed _____ Solid ❑ Liquid ❑ Gas ❑

Type of fittings to be used _____

Hose Construction

Hose style:

- Smooth profile (e.g. F series): ❑
- Convoluted profile (e.g. W series): ❑
- Externally reinforced (e.g. GT series): ❑
- Other: ❑ Describe _____

Similar to existing Tigerflex™ hose part number(s) (if applicable) _____

Flex material _____ Flex color _____ Food Grade? Yes ❑ No ❑

Helix material _____ Helix color _____ Food Grade? Yes ❑ No ❑

Yarn reinforcement? Yes ❑ No ❑ Polyurethane liner? Yes ❑ No ❑ Grounding wire? Yes ❑ No ❑

Hose size(s) (ID) _____

Required working pressure _____ PSI @ 68° F Required vacuum rating _____in/g @ 68° F

Required bending radius _____ in Required hose weight _____ lbs

Hose Length _____ ft Tolerance +/-_____ in

Approvals required? _____

Other requirements _____

Delivery Information

Estimated annual volume _____ Reoccurring? Yes ❑ No ❑ Required ship date _____

Special packaging or shipping requirements _____

Submit to:

Fax: (847) 885-9010 • Email: customerservice@kuriyama.com • Submission date _____

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Discharge Hose

Oil and Gas Products by Kuriyama

Hose Tec® Metal Hose

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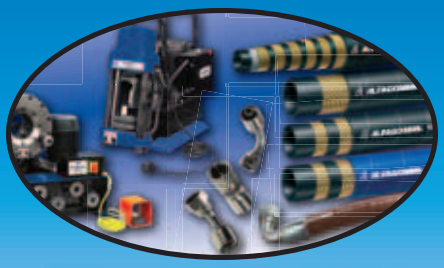
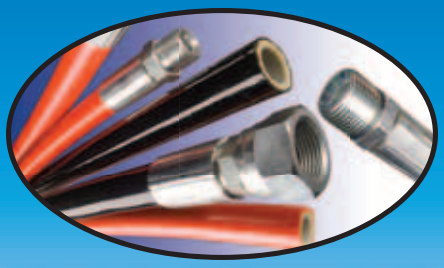


Alfagomma® Hydraulic Hose/Fittings



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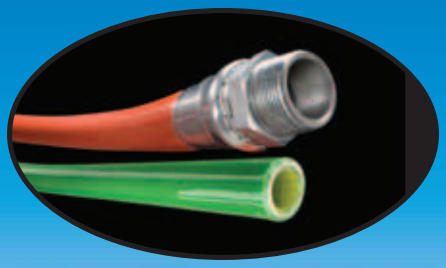

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09/2005

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