

\$2.50

tigerflex®



TIGERFLEX®
ISO 9001:2000
REGISTERED

Visit us
www.kuriyama.com
on the Web!



Kuriyama of America, Inc.

KTFC A0107

		Food	Abrasion Resistant	Liquid	Clear Hose	Air Ducting	Static Dissipative	Dry	Exposed Helix	Low Temp.
Series 2020 Hose.....	4	■	■		■		⚡	■	■	■
Series 2001 Hose.....	5	■	■		■		⚡	■		
Series WT Hose.....	6	■	■		■			■		
Series WE Hose.....	6	■	■		■		⚡	■		
Series WBS Hose.....	7	■	■		■		⚡	■		
Ureflex-1 Hose.....	8		■				⚡	■		■
Ureflex-2 Hose.....	8		■				⚡	■		■
Series UBK Hose.....	9		■				⚡	■	■	■
Series PF Hose.....	9		■		■		⚡	■		
Urevac-2 Hose.....	10		■		■	■		■	■	■
Urevac-3 Hose.....	10		■		■		■	■	■	■
Series WU Hose.....	11		■		■			■		
Series UVPE Hose.....	11		■		■		■	■		■
Urevac-1 Hose.....	12		■		■	■		■	■	■
Series UVF Hose.....	12	■	■		■	■		■	■	■
Series MULCH Hose.....	13		■		■			■		■
Series GC Hose.....	13		■					■		■
Series GC-C Hose.....	13		■		■			■		■
Series LK Hose.....	14		■			■			■	■
Series LK-C Hose.....	14		■		■	■			■	■
Series GT Hose.....	14		■		■	■			■	■
Series GTG Hose.....	14		■		■	■			■	■
Series GTF Hose.....	15	■			■	■			■	■
Series CG/CG-SL Hose.....	15				■	■			■	■
Series WH Hose.....	16			■	■	■		■		
Tiger-Duct™ Extendo-Duct™.....	16					■				
Series FT Hose.....	18	■	■	■	■			■		
Series MILK Hose.....	18	■		■	■					■
Series MILK-LT Hose.....	18	■		■	■					■
Series WSTF Hose.....	19	■	■	■	■			■	■	
Series WST Hose.....	19		■	■	■			■	■	
Series W Hose.....	20		■	■	■			■		■
Series WG Hose.....	20			■				■		
Series CF Hose.....	21		■	■				■		■
Series BW Hose.....	21		■	■	■			■		■
Series S Hose.....	22			■				■		
Series F Hose.....	22			■	■			■		
Series G Hose.....	22			■				■		
Series H Hose.....	23			■	■			■		
Series J Hose.....	23			■				■		
Series K Hose.....	23			■	■			■		
Series MH Hose.....	24			■				■		
Spa Hose.....	24			■				■		
Series OV Hose.....	26		■	■	■			■		■
Series ORV Hose.....	26			■		■				■
Series WOR Hose.....	27			■		■				
Banding Coils/Banding Sleeves.....	28	■								
TigerClamp™ SDBC Clamps.....	29									
Aluminum Swivel Cam & Groove Couplings....	29									
Care & Maintenance.....	30									
Effect of Temperature on Pressure Ratings.....	30									
Chemical Resistance Guide.....	31 - 35									
Cautionary Statement, Warranty.....	36									

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.

⚡ CAUTION: Products with embedded copper grounding wires are designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

Application Guide



	2007/2020	WT	WE	WBS	UREFLEX-1	UREFLEX-2	URBK	UREFAC-1	UREFAC-2	URU	URUPE	UREFAC-1	UREFAC-2	MULCH	GC/GCC	LK/LKC	GT/GTG	GT	CG/GC-SL	WH	Extend-Duct®	ET	MILK	MILK-LT	MS/TF	WST	W	WG	CF	BW	S	FG	HUK	UH	SPA	OV	ORV	WOR
Abrasive Material Chutes																																						
Abrasive Material Transfer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓												✓		✓	✓									✓
Agri-Foam System																																						
Air Seeder Lines					✓												✓																					
Air Vent Lines					✓												✓																					
Cable Protection																	✓																					
Corrugated Paper Scrap Handling									✓																													
Dockside Pump-Out Lines																																						✓
Dry Product Transfer, Static Dissipative	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																									
Dust Collection																✓	✓	✓	✓	✓	✓	✓																
Fertilizer Broadcasting, Dry																																						
Fertilizer Transfer, Liquid																																						
Fish Suction																																						
Fly Ash Collection																																						
Food Applications, Dry	✓	✓	✓	✓	✓	✓																																
Food Applications, Dry, Static Dissipative	✓		✓	✓																																		
Food Grade Blower & Ducting																																						
Food Products, Liquid																																						
Food Products, Liquid, Low Temperature																																						
Fume Removal																																						
General Construction Usage																																						
Gold Dredging																																						
Grain Clean-Up Wand Hose																																						
Grain Handling	✓				✓	✓																																
Ground Cover, Delivery of Mulch																																						
Industrial Vacuum Equipment																																						
Insulation Blowing																																						
Irrigation Lines																																						
Irrigation Pumping																																						
Latex Paint Transfer/Spraying Equipment																																						
Lawn/Leaf Collection																																						
Liquid Manure																																						
Marine Bilge Discharge/Toilet Transfer																																						
Material Chutes																																						
Metal Chip Recovery																																						
Milk Transfer																																						
Oil Slurry Handling																																						
Oil Suction, Heavy Duty																																						
Oil Suction, Light Duty																																						
Pharmaceutical Product Transfer	✓	✓	✓	✓																																		
Pneumatic Conveying — Pellets, Etc.	✓	✓	✓	✓																																		
Poultry Cleaning Operations	✓																																					
Rock Dusting																																						
Roof Rock Cleaning																																						
Rooftop Cleaning Wand Hose																																						
Room Air Exhaust																																						
RV Plumbing																																						
Sand Blast/Shot Blast Recovery																																						
Septic Tank Cleaning																																						
Slurry Handling																																						
Spa, Pool Installations																																						
Spot Cooling, Ducting																																						
Suction, Low Temperature																																						
Trash Pump Hose																																						
Vapor Recovery																																						
Water Suction and Transfer																																						
Well Point System																																						

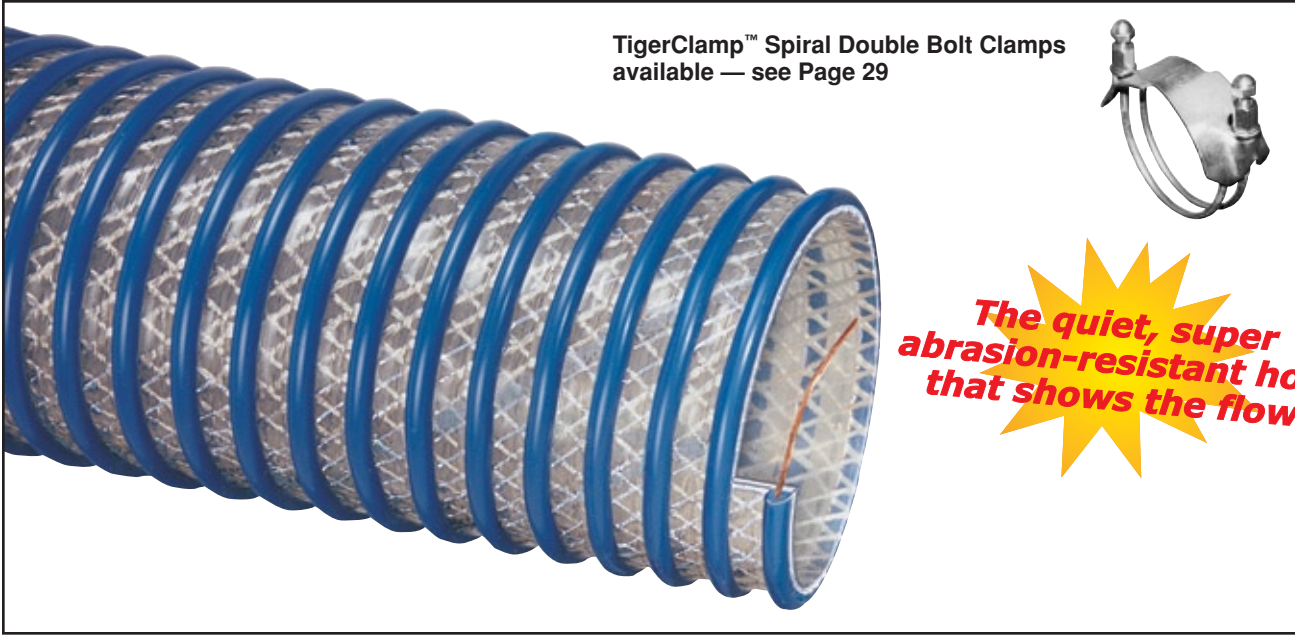
CAUTION

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.

- Food
- Abrasion Resistant
- Clear Hose
- Static Dissipative
- Dry
- Exposed Helix
- Low Temp.

Series 2020

Reinforced Polyurethane-lined material handling hose with embedded copper grounding wire For outdoor dry applications



TigerClamp™ Spiral Double Bolt Clamps available — see Page 29

The quiet, super abrasion-resistant hose that shows the flow!

Features and Benefits

- **Clear Polyurethane construction with blue PVC helix** — allows visual confirmation that material is flowing... provides high abrasion- resistance.
- **Food grade Polyurethane liner** — complies with all applicable FDA‡ and USDA★ requirements.
- **Embedded copper grounding wire** — prevents the build-up of static electricity... helps keep material flowing smoothly.
- **Polyester fabric reinforcement** — provides increased ability to withstand positive pressures.
- **“See-through” construction** — translucent construction with blue helix allows visual confirmation that material is flowing.
- **Smooth bore construction** — reduces material build-up... provides high abrasion resistance and quiet operation (polymer pellet transfer through Series 2020 can be 60 - 70% quieter than with stainless steel hoses).
- **Exposed blue rigid PVC helix** — abrasion-resistant... allows hose to slide easily... easier to handle.

General Applications

- Pneumatic conveying systems for powder, pellets or other dry granular materials.
- Dry food transfer systems, such as flour, rice, grains, etc.

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

Service Temperature Range

-40° F to 150° F

Actual service temperature range is application-dependent.

Series	Nominal				Approx. Liner Thickness (mm)	Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68° F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)		68° F	104° F	68° F	104° F			
2020-300	3	76.2	3.78	96.0	1.8	70	35	Full	28	10"	100/50/20	1.20
2020-400	4	101.6	4.84	123.0	2.0	65	30	Full	28	12"	100/50/20	1.60
2020-500	5	127.0	5.79	147.0	2.0	45	22	28	25	14"	50/20	2.45
2020-600	6	152.4	6.93	176.0	2.0	40	22	28	25	16"	50/20	2.86

‡ **FDA** — CFR Title 21 Parts 177.1680, and 177.2600 requirements.
 ★ **USDA** — For use in federally-inspected meat and poultry plants.

⚡ **CAUTION:** This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

Series 2001

Polyurethane-lined PVC
food grade material handling hose
with embedded copper grounding wire
For dry applications



Food
Abrasion Resistant
Clear Hose
Static Dissipative
Dry

Features and Benefits

- **Food grade Polyurethane lining** — complies with all applicable FDA† and USDA★ requirements.
- **Food grade PVC convoluted cover** — complies with all applicable FDA† and USDA★ requirements... provides increased flexibility.
- **Embedded copper grounding wire** — prevents the build-up of static electricity... helps keep material flowing smoothly.
- **“See-through” construction** — clear cover and translucent liner allows visual confirmation that material is flowing.
- **Smooth polyurethane liner** — reduces material build-up... provides high abrasion resistance and quiet operation (polymer pellet transfer through Series 2001 can be 60 – 70% quieter than with stainless steel hoses).

General Applications

- Pneumatic conveying systems for powder, pellets or other dry granular materials.
- Dry food transfer systems, such as flour, rice, grains, etc.

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

Service Temperature Range

-4° F to 150° F

Actual service temperature range is application-dependent.

Series	ID (In.)	Nominal		Approx. Liner Thickness (mm)	Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bending Radius @ 68° F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)	
		ID (mm)	OD (In.)		OD (mm)	68° F	104° F	68° F				104° F
2001-150	1½	38.1	1.88	47.8	0.8	50	25	Full	28	6"	60	.48
2001-200	2	50.8	2.44	62.0	0.9	40	20	Full	28	7"	60	.67
2001-250	2½	63.5	3.12	77.2	0.9	40	20	Full	28	8"	60	.92
2001-300	3	76.2	3.70	94.1	1.8	40	20	Full	28	9"	60	1.35
2001-400	4	101.6	4.80	122.0	2.0	35	18	Full	28	15"	60/20	2.17
2001-500	5	127.0	5.81	147.6	2.0	35	18	28	25	23"	60/20	2.77
2001-600	6	152.4	6.93	176.0	2.3	30	15	28	25	26"	60/20	3.90
2001-700	7	178.8	8.08	205.2	2.3	30	15	28	25	30"	60/20	5.20
2001-800	8	203.2	9.28	235.8	2.7	30	15	28	25	36"	60/20	6.65

† FDA — CFR Title 21 Parts 170 to 199 requirements.

‡ FDA — CFR Title 21 Parts 177.1680 and 177.2600 requirements.

★ USDA — For use in Federally-inspected meat and poultry plants.

⚡ **CAUTION:** This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

Food
Abrasion Resistant
Clear Hose
Dry
Food
Abrasion Resistant
Clear Hose
Static Dissipative
Dry

Series WT

Heavy duty PVC food grade material handling hose For dry applications

Features and Benefits

- **Clear PVC construction** — complies with all applicable FDA† and USDA★ requirements and 3-A Sanitary Standards¶... allows visual confirmation that material is flowing.
- **Smooth bore construction** — eliminates material build-up.
- **Convuluted cover design** — provides increased flexibility.

General Applications

- Pneumatic conveying systems for powder, pellets or granular materials.
- Food transfer systems.
- Poultry cleaning operations.

† FDA — CFR Title 21 Parts 170 to 199.

★ USDA — For use in Federally-inspected meat and poultry plants.

¶ 3-A Sanitary Standard — No. 20-20, Multi-use plastic materials as product contact surfaces in equipment for production, processing and handling of milk and milk products.

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

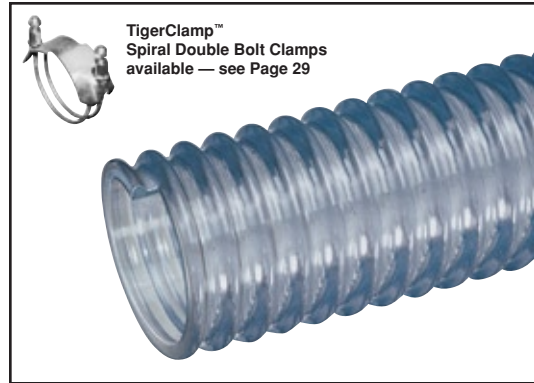
Service Temperature Range

-4° F to 150° F

Actual service temperature range is application-dependent.



Series	Nominal		Working Pressure (PSI)		Vacuum Rating (In. Hg)		Min. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)		
	ID (In.)	OD (mm)	68°F	104°F	68°F	104°F					
WT100	1	25.4	1.30	33.0	55	30	28	28	2"	100/50	.21
WT125	1 1/4	31.7	1.60	40.6	50	25	28	28	2"	100/50	.28
WT150	1 1/2	38.1	1.92	48.8	50	25	28	28	3"	100/50	.35
WT200	2	50.8	2.40	61.0	40	20	28	24	4"	100/50	.56
WT225	2 1/4	57.2	2.74	69.6	40	20	28	24	4.5"	100/50	.65
WT250	2 1/2	63.5	2.99	75.9	40	20	28	24	5"	100/50	.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"	100/20	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"	20	5.53
WT45M	1.77	45.0	2.09	53.0	45	25	28	24	4"	50	.44
WT57M	2.24	57.0	2.68	68.0	40	20	28	24	4.5"	50	.64



Series WE

Heavy duty PVC food grade material handling hose with embedded grounding wire For dry applications

Features and Benefits

- **Clear PVC construction** — complies with all applicable FDA† and USDA★ requirements... allows visual confirmation that material is flowing.
- **Embedded copper grounding wire** — prevents the build-up of static electricity... helps to keep material flowing smoothly.
- **Smooth bore construction** — eliminates material build-up.
- **Convuluted cover design** — provides increased flexibility.

General Applications

- Pneumatic conveying systems for powder, pellets or granular materials.
- Paper mill vacuum lines.

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

Service Temperature Range

-4° F to 150° F

Actual service temperature range is application-dependent.



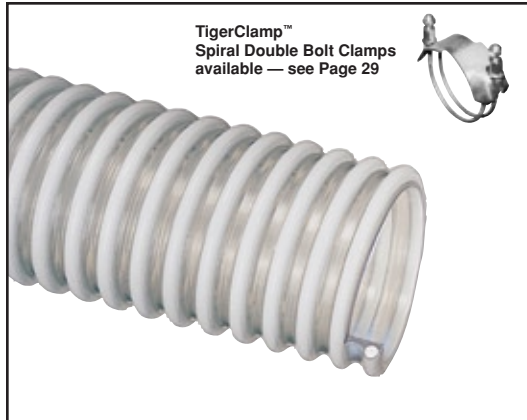
Series	Nominal		Working Pressure (PSI)		Vacuum Rating (In. Hg)		Min. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)		
	ID (In.)	OD (mm)	68°F	104°F	68°F	104°F					
WE125	1 1/4	32.0	1.65	42.0	50	25	28	28	2"	100/50	.33
WE150	1 1/2	38.1	1.93	49.0	50	25	28	28	3"	100/50	.43
WE200	2	50.8	2.48	63.0	40	20	28	24	4"	100/50	.58
WE225	2 1/4	57.2	2.80	71.0	40	20	28	24	4.5"	100/50	.65
WE250	2 1/2	63.5	3.07	76.5	40	20	28	24	5"	100/50	.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
WE45M	1.77	45.0	2.20	55.8	45	25	28	24	4"	60	.46
WE57M	2.24	57.0	2.76	70.0	40	20	28	24	4.5"	60	.64



† FDA — CFR Title 21 Parts 170 to 199.

★ USDA — For use in Federally-inspected meat and poultry plants.

⚡ CAUTION: This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.



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

Service Temperature Range

-4° F to 150° F

Actual service temperature range is application-dependent.

Series WBS

Anti-static
PVC food grade
material handling hose

Features and Benefits

- **Clear PVC with white helix** — complies with all applicable FDA† and USDA★ requirements... allows visual confirmation that material is flowing.
- **Static-dissipative thermoplastic compound** — prevents the build-up of static electricity... helps to keep material flowing smoothly.
- **Wireless static-dissipative design** — allows for ease of coupling and installation.
- **Smooth bore construction** — eliminates material build-up.
- **Convuluted cover design** — provides increased flexibility.

General Applications

- Pneumatic conveying systems for powder, pellets or granular materials.
- Pharmaceutical product transfer.
- Hopper loader systems.

Note: The effectiveness of static dissipation is application-dependent, based upon humidity, material conveyed, and length of hose.

Series	ID (In.)	Nominal		Working Pressure (PSI)		Vacuum Rating (In. Hg)		Min. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)	
		ID (mm)	OD (mm)	68°F	104°F	68°F	104°F				
WBS150	1½	38.1	1.92	48.8	50	25	28	28	3"	100	.35
WBS200	2	50.8	2.40	61.0	40	20	28	24	4"	100	.56
WBS250	2½	63.5	2.99	75.9	40	20	28	24	5"	100	.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
WBS45M	1.77	45.0	2.09	53.0	45	25	28	24	4"	50	.52
WBS57M	2.24	57.0	2.68	68.0	40	20	28	24	5"	50	.62

† FDA — CFR Title 21 Parts 170 to 199.

★ USDA — For use in Federally-inspected meat and poultry plants.

Couplings & Accessories

Quality Engineered . . .

- Hose Couplings
- Flanges
- Pump Connectors
- Expansion Joints
- Accessories

Kuriyama of America, Inc.

Chemicals/Petroleum

Visit us at www.kuriyama.com on the Web!

KCPPL0107

Couplings & Accessories

To get the most out of your Tigerflex® hose, it needs to be properly coupled.

Kuriyama of America, Inc. offers a wide selection of couplings and accessories for just this purpose.

Request your copy of our comprehensive Couplings & Accessories catalog today! Or download a copy from our Web Site:

<http://www.kuriyama.com>.

KTFCA0107

Because we continually examine ways to improve our products, we reserve the right to alter specifications without notice.

Food

Abrasion Resistant

Clear Hose

Static Dissipative

Dry

Abrasion Resistant

UREFLEX-1

Polyurethane-lined abrasion-resistant PVC material handling hose For dry applications

Features and Benefits

- **Smooth polyurethane lining** — provides resistance to abrasion... eliminates material build-up.
- **Black HMW PVC convoluted cover** — formulated with static-dissipative compound... also provides sub-zero flexibility.

General Applications

- Industrial vacuum equipment.
- Pneumatic conveying systems for powder, pellets or granular materials.
- Abrasive material transfer.
- Grain handling.
- Sand/shot blast recovery line.
- Roof rock cleaning.
- Fly ash collection.
- Municipal Evactor trucks.
- Road crush vacuuming.

Static Dissipative

Dry

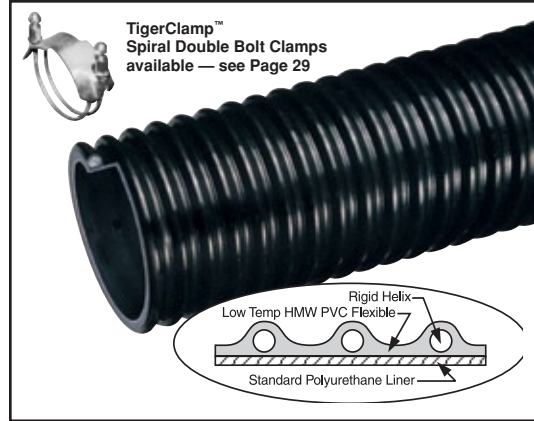
Low Temp.

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

Service Temperature Range

-40° F to 150° F

Actual service temperature range is application-dependent.



Series	Nominal				Approx. Liner Thickness (mm)	Working Pressure (PSI)		Vacuum Rating (In. Hg)		Min. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)		68°F	104°F	68°F	104°F			
UF1-125	1¼	31.8	1.53	39.0	0.6	50	25	Full	28	2"	100	.22
UF1-150	1½	38.1	1.85	47.0	0.6	50	25	Full	28	2"	100/50	.42
UF1-200	2	50.8	2.40	61.0	0.7	40	20	Full	28	3"	100/50	.59
UF1-250	2½	63.5	3.07	78.0	0.9	40	20	Full	28	3"	100/50	.80
UF1-300	3	76.2	3.64	92.5	1.0	40	20	Full	28	4"	100/50	1.18
UF1-350	3½	88.9	4.21	107.0	1.0	35	18	Full	28	5"	100/50	1.48
UF1-400	4	101.6	4.76	120.9	1.2	35	18	Full	28	6"	100/50	1.95
UF1-500	5	127.0	5.75	146.0	1.2	35	18	28	25	10"	100/50/20	2.42
UF1-600	6	152.4	6.81	173.0	1.5	30	15	28	25	12"	100/50/20	3.50
UF1-800	8	203.2	9.18	233.2	2.0	30	15	28	25	18"	50/20	5.91

Abrasion Resistant

UREFLEX-2

Polyurethane-lined abrasion-resistant PVC material handling hose For dry applications

Features and Benefits

- **Thick smooth heavy duty polyurethane lining** — provides additional abrasion-resistance... eliminates material build-up.
- **Blue HMW PVC convoluted cover** — formulated with static-dissipative compound... also provides sub-zero flexibility.

General Applications

- Industrial vacuum equipment.
- Abrasive material transfer.
- Grain handling.
- Sand/shot blast recovery line.
- Roof rock cleaning.
- Fly ash collection.
- Municipal Evactor trucks.
- Road crush vacuuming.

Static Dissipative

Dry

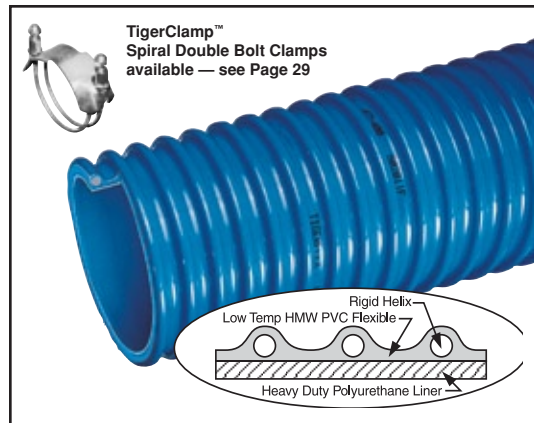
Low Temp.

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

Service Temperature Range

-40° F to 150° F

Actual service temperature range is application-dependent.



Series	Nominal				Approx. Liner Thickness (mm)	Working Pressure (PSI)		Vacuum Rating (In. Hg)		Min. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)		68°F	104°F	68°F	104°F			
UF2-150	1½	38.1	1.88	47.8	1.0	50	25	Full	28	3"	100	.46
UF2-200	2	50.8	2.44	62.0	1.2	40	20	Full	28	4"	100	.65
UF2-250	2½	63.5	3.12	79.2	1.4	40	20	Full	28	5"	100	.89
UF2-300	3	76.2	3.70	94.1	1.8	40	20	Full	28	6"	100/50	1.23
UF2-400	4	101.6	4.80	122.0	2.0	35	18	Full	28	10"	100/50	2.02
UF2-500	5	127.0	5.81	147.6	2.0	35	18	28	25	15"	100/50/20	2.50
UF2-600	6	152.4	6.87	174.5	2.3	30	15	28	25	18"	100/50/20	3.84
UF2-800	8	203.2	9.18	233.2	2.7	30	15	28	25	22"	50/20	6.52
UF2-1000	10	254.0	11.61	295.0	2.9	25	12	26	20	26"	20	10.92



TigerClamp™
Spiral Double Bolt Clamps
available — see Page 29

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

Service Temperature Range

-40° F to 150° F

Actual service temperature range is application-dependent.

Series UBK

Polyurethane-lined
abrasion-resistant PVC
material handling hose
for dry applications

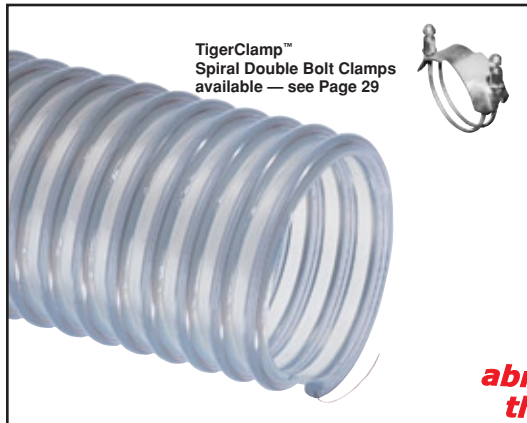
Features & Benefits

- **Smooth polyurethane lining** — provides resistance to abrasion... eliminates material build up.
- **Black HMW PVC flexible** — provides sub-zero flexibility and light weight for easy handling... formulated with static-dissipative compounds.
- **Exposed black rigid PVC helix** — abrasion-resistant... allows hose to slide easily... easier to handle.

General Applications

- Roof rock cleaning
- Abrasive material transfer
- Sand/shot blast recovery line.

Series	ID (In.)	Nominal		Approx. Liner Thickness (mm)	Working Pressure (PSI)		Vacuum Rating (In. Hg)		Min. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)	
		ID (mm)	OD (In.)		OD (mm)	68°F	104°F	68°F				104°F
UBK200	2	50.8	2.40	61.0	0.7	40	15	Full	28	2"	100/50	0.59
UBK250	2½	63.5	3.07	78.0	0.9	40	15	Full	28	4"	100/50	0.79
UBK300	3	76.2	3.64	92.5	1.0	40	15	Full	28	4"	100/50	0.83
UBK400	4	101.6	4.76	120.9	1.2	35	13	Full	28	6"	100/50	1.37
UBK500	5	127.0	5.69	144.5	1.2	30	10	28	15	10"	100/50/20	2.28
UBK600	6	152.4	6.81	173.0	1.5	30	10	28	15	12"	100/50/20	3.10
UBK800	8	203.2	9.02	229.0	2.0	30	10	28	15	15"	50/20	4.51



TigerClamp™
Spiral Double Bolt Clamps
available — see Page 29

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

Service Temperature Range

-40° F to 150° F

Actual service temperature range is application-dependent.

Series PF

Plas-T-Flo™

Heavy duty
Polyurethane
material transfer hose
with embedded
copper grounding wire

Features & Benefits

- **Clear polyurethane PVC reinforced hose** — allows visual confirmation that material is flowing. Clear body enables operators to inspect hose for contamination during operation.
- **Smooth polyurethane material** — provides resistance to abrasion and minimizes material build up... provides quieter operation.
- **Embedded copper grounding wire** — prevents the build-up of static electricity... helps keep material flowing smoothly.
- **Exposed clear rigid PVC helix** — abrasion-resistant... allows hose to slide easily... easier to handle.

The quiet, super abrasion-resistant hose that shows the flow!

Series	ID (In.)	Nominal		Working Pressure (PSI)	Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)		
		ID (mm)	OD (In.)		OD (mm)	68°F				104°F	68°F
PF300	3	76.2	3.39	86.0	35	15	28	25	10"	100/50/20	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

General Applications

- Unloading of bulk trucks & railcars in the plastics industry.
- Pneumatic conveying systems for powder pellets, and other dry granular material.

CAUTION: This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

Abrasion Resistant

Static Dissipative

Dry

Exposed Helix

Low Temp.

Abrasion Resistant

Clear Hose

Static Dissipative

Dry

Exposed Helix

Abrasion Resistant

Clear Hose

Air Ducting

Dry

Exposed Helix

Low Temp.

UREVAC-2

Medium duty Polyurethane-lined lightweight PVC material handling hose

Features and Benefits

- **Polyurethane-lined HMW PVC construction** — provides excellent sub-zero flexibility.
- **Smooth abrasion-resistant polyurethane liner** — eliminates material build-up.
- **Black external PVC reinforcing helix** — provides high abrasion-resistance, increased flexibility and allows hose to slide easily... easier to handle.

General Applications

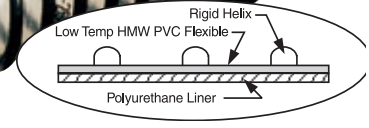
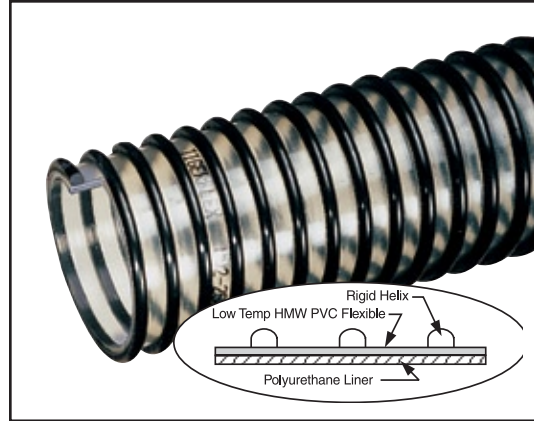
- Grain clean-up wand hose.
- Rooftop cleaning wand hose.
- Insulation blowing.
- Lawn, leaf and mulch collection.
- Corrugated paper products scrap collection.

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

Service Temperature Range

-40° F to 150° F

Actual service temperature range is application-dependent.



Series	Nominal				Approx. Liner Thickness (mm)	Working Pressure (PSI)		Vacuum Rating (In. Hg)		Min. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs./ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)		68°F	104°F	68°F	104°F			
UV2-150	1 1/2	38.1	1.87	47.5	0.7	25	10	22	16	1.5"	60	.29
UV2-200	2	50.8	2.47	62.7	0.8	25	10	21	14	2.5"	60	.40
UV2-250	2 1/2	63.5	2.96	75.2	1.0	20	8	19	12	3"	60	.53
UV2-300	3	76.2	3.54	89.8	1.1	20	8	18	11	4"	60	.67
UV2-400	4	101.6	4.57	116.1	1.1	15	7	13	9	6"	60	1.02
UV2-500	5	127.0	5.58	141.7	1.1	15	7	10	7	8"	60	1.22
UV2-600	6	152.4	6.62	168.1	1.1	10	5	7	5	10"	60	1.68
UV2-800	8	203.2	8.67	220.2	1.1	10	5	5	3	14"	20	2.24

Abrasion Resistant

Clear Hose

Static Dissipative

Dry

Exposed Helix

Low Temp.

UREVAC-3

Heavy duty Polyurethane material transfer hose with embedded copper grounding wire

Features & Benefits

- **Lightweight polyurethane construction** — provides good flexibility in sub-zero temperatures... ideal hose for intermediate material transfer application where a heavier hose will not work.
- **Black exposed helix design with embedded copper grounding wire** — provides high abrasion resistance and permits hose to slide more easily. Copper grounding wire allows for grounding hose in static conditions.
- **Smooth bore** — eliminates material build up.

General Applications

- Grain clean-up wand hose
- Rooftop cleaning wand hose
- Insulation Blowing

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

Service Temperature Range

-40° F to 150° F

Actual service temperature range is application-dependent.



TigerClamp™ Spiral Double Bolt Clamps available — see Page 29

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs./ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
UV3-300	3	76.2	3.60	91.4	40	20	Full	28	9"	100/50	.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

- Lawn, leaf, & mulch collection.
- Plastic pellet & powder transfer.

⚡ **CAUTION:** This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.



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

Service Temperature Range

-4° F to 150° F

Actual service temperature range is application-dependent.

Series WU

Standard duty
Polyurethane-lined
abrasion-resistant PVC
material handling hose
For dry applications

Features and Benefits

- **Clear PVC with white helix** — allows visual confirmation that material is flowing.
- **Smooth polyurethane lining** — provides resistance to abrasion and eliminates material build-up.
- **Convuluted cover design** — provides increased flexibility.

General Applications

- In-plant pneumatic conveying systems for powder, pellets or granular materials.
- Granular transfer lines.
- Milling machine metal chip recovery.
- Sand/shot blast recovery line.

Series	ID (In.)	Nominal		Approx. Liner Thickness (mm)	Working Pressure (PSI)		Vacuum Rating (In. Hg)		Min. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)	
		ID (mm)	OD (mm)		68°F	104°F	68°F	104°F				
WU150	1½	38.1	1.85	47.0	0.6	50	25	Full	28	2"	100	.42
WU200	2	50.8	2.40	61.0	0.7	40	20	Full	28	3"	100	.59
WU250	2½	63.5	3.07	78.0	0.9	40	20	Full	28	3"	100	.80
WU300	3	76.2	3.64	92.5	1.0	40	20	Full	28	4"	100	1.18
WU400	4	101.6	4.76	120.9	1.2	35	18	Full	28	6"	100	1.95
WU57M	2.24	57.0	2.60	66.0	0.7	40	20	Full	28	3"	100	.62

Note: 45M ID size is available upon request . . . Check with factory for minimum quantity requirements.



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

Service Temperature Range

-40° F to 150° F

Actual service temperature range is application-dependent.

Series UVPE

Heavy duty
Polyurethane/Polypropylene
reinforced material
transfer hose
with embedded
copper grounding wire

Features & Benefits

- **Polyurethane/polypropylene translucent construction** — provides excellent physical durability and abrasion resistance.
- **Smooth polyurethane liner** — provides resistance to abrasion... eliminates material build up.
- **Convuluted polypropylene cover** — provides increased flexibility and ideal cold weather flexibility.
- **Unique crush-resistant reinforced construction** — hose returns to its original shape.

Series	ID (In.)	Nominal		Working Pressure (PSI)	Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)		
		ID (mm)	OD (mm)		68°F	104°F				68°F	104°F
UVPE150	1½	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	2½	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

⚡ **CAUTION:** This product is designed to dissipate static electricity when the metal wire is properly connected to ground, through the fitting or other means.

General Applications

- Abrasive material transfer

Abrasion Resistant

Clear Hose

Dry

Abrasion Resistant

Clear Hose

Static Dissipative

Dry

Low Temp.

Abrasion Resistant

Clear Hose

Air Ducting

Dry

Exposed Helix

Low Temp.

Food

Abrasion Resistant

Clear Hose

Air Ducting

Dry

Exposed Helix

Low Temp.

UREVAC-1

Standard duty Polyurethane lightweight blower and ducting hose

Features and Benefits

- **Lightweight polyurethane construction** — provides extreme flexibility in sub-zero temperatures... ideal hose for abrasive dust collection and blower applications.
- **Green exposed helix design** — allows for high abrasion-resistance and increased flexibility... slides easily... easier to handle.
- **Smooth bore** — provides unrestricted airflow when laid straight with ends secured.

General Applications

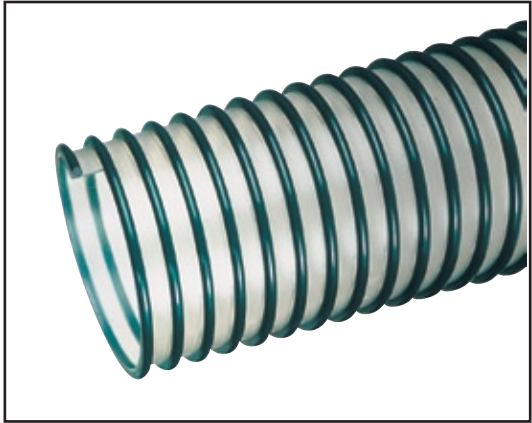
- Abrasive material chutes.
- Lawn cleaning. • Leaf collection.
- Insulation blowing.
- Fume removal.
- Concrete surface preparation equip.

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

Service Temperature Range

-40° F to 150° F

Actual service temperature range is application-dependent.



Series	Nominal				Working Pressure (PSI)		Vacuum Rating † (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
UV1-150	1½	38.1	1.82	46.2	20	7	22	14	.75"	50	.23
UV1-200	2	50.8	2.39	60.7	15	6	21	12	1.5"	50	.32
UV1-250	2½	63.5	2.89	73.4	10	5	19	10	1.5"	50	.39
UV1-300	3	76.2	3.46	87.9	10	5	18	10	2.5"	50	.55
UV1-400	4	101.6	4.50	114.3	8	4	13	8	3"	50	.77
UV1-500	5	127.0	5.50	139.7	7	3	10	7	4"	50	.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: Positive and negative pressures in table are for straight length only, with ends secured (fixed). Hose tends to retract lengthwise and become progressively less flexible under increasing negative pressure when one end is free.
NOTE: Available with embedded copper grounding wire upon request . . . Check with factory for minimum quantity requirement.

Series UVF

Standard duty Polyurethane food grade lightweight blower and ducting hose

Features and Benefits

- **Clear polyurethane construction with clear PVC helix** — complies with all applicable FDA‡ and USDA★ requirements... allows visual confirmation that material is flowing. Provides high abrasion-resistance.
- **Exposed clear helix design** — provides high abrasion-resistance with increased flexibility... slides easily for ease of handling.
- **Smooth bore construction** — eliminates material build-up.

General Applications

- In-plant blower and ducting applications requiring a food grade hose.
- Abrasive material chutes.
- Pharmaceutical product transfer.

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

Service Temperature Range

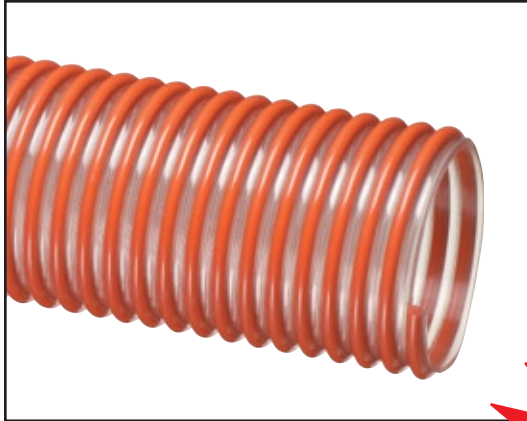
-40° F to 150° F

Actual service temperature range is application-dependent.



Series	Nominal				Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
UVF150	1½	38.1	1.82	46.2	20	7	22	14	1"	50	.23
UVF200	2	50.8	2.39	60.7	15	6	21	12	1.5"	50	.32
UVF250	2½	63.5	2.89	73.4	10	5	19	10	1.5"	50	.39
UVF300	3	76.2	3.46	87.9	10	5	18	10	2.5"	50	.55
UVF400	4	101.6	4.50	114.3	8	4	13	8	3"	50	.77
UVF500	5	127.0	5.50	139.7	7	3	10	7	4"	50	.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

‡ FDA — CFR Title 21 Parts 177.1680 and 177.2600 requirements.
★ USDA — For use in Federally-inspected meat and poultry plants.
NOTE: Available with embedded copper grounding wire upon request . . . Check with factory for minimum quantity requirement.



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

Service Temperature Range

-40° F to 150° F

Actual service temperature range is application-dependent.



Series MULCH

Abrasion-resistant PVC mulch & bark transfer hose

Features and Benefits

- **Specially-blended, highly flexible clear PVC compound construction with bright red helix** — provides visual confirmation that material is flowing... stays flexible, even at sub-zero temperatures.
- **Superb durability** — even in the worst rain, snow or cold weather!
- **Lightweight** — easy to handle.
- **Smooth bore construction** — provides unrestricted flow... eliminates material build-up and “hose bounce.”

General Applications

- Mulch- or bark-blowing ground cover, moist or dry applications.
- Delivery of wood fiber, playground surfacing material, seed, or compost materials.

Series	ID (In.)	Nominal		Working Pressure (PSI)	Vacuum Rating (Inches Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)		
		ID (mm)	OD (In.)		OD (mm)	68°F				104°F	68°F
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



TigerClamp™ Spiral Double Bolt Clamps available — see Page 29

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

Service Temperature Range

-40° F to 150° F

Actual service temperature range is application-dependent.

Series GC

“Ground Cover” Hose

Abrasion-resistant Polyurethane-lined mulch and bark transfer hose

Features & Benefits

- **Smooth polyurethane liner** — provides resistance to abrasion... eliminates material build up.
- **Convuluted HMW PVC cover** — provides increased flexibility and sub-zero flexibility.
- **Clear HMW PVC/polyurethane construction** — allows for visual confirmation of material being transferred.
 - **Series GC** has black body and helix.
 - **Series GC-C** has clear body and black helix.

General Applications

- Ground cover delivery of dry mulch, seed, compost, wood fiber, and playground surfacing materials.

Series	ID (In.)	Nominal		Approx. Liner Thickness (mm)	Working Pressure (PSI)		Vacuum Rating (In. Hg)		Min. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)	
		ID (mm)	OD (In.)		OD (mm)	68°F	104°F	68°F				104°F
GC400	4	101.6	4.59	116.6	1.0	30	15	28	25	6"	100	1.00
GC500	5	127.0	5.57	141.5	1.0	30	15	25	20	10"	100	1.80
GC600	6	153.4	6.67	169.5	1.0	25	12	25	20	12"	100	2.54

Abrasion Resistant

Clear Hose

Low Temp.

Abrasion Resistant

Clear Hose

Dry

Low Temp.

Abrasion Resistant

Series LK "Lawn King"

Abrasion-resistant low-temperature super flexible PVC blower and ducting hose

Features and Benefits

- **Special low-temperature PVC construction with black PVC helix** — provides better resistance to abrasion and cracking.
 - **Series LK** has black body and helix.
 - **Series LKC** has clear body and black helix.
- **Exposed helix design** — provides increased flexibility and slides easily for ease of handling.
- **Smooth bore construction** — resists material build-up.

General Applications

- OEM lawn and leaf collection equipment.
- General ducting applications.

Air Ducting

Exposed Helix

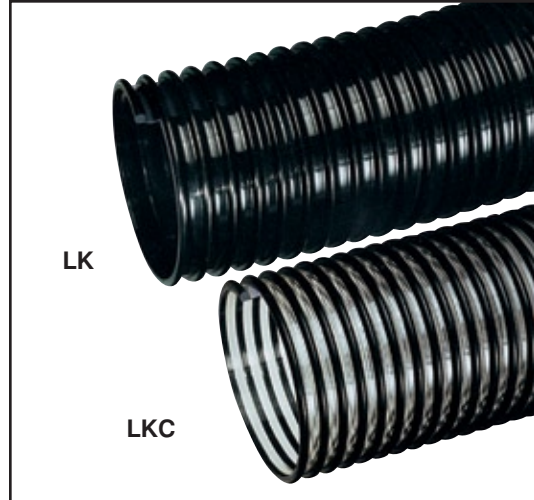
Low Temp.

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

Service Temperature Range

-20° F to 150° F

Actual service temperature range is application-dependent.



Series	Nominal				Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
LK/LKC400	4	101.6	4.57	114.8	8	4	13	7	3"	100/50	.85
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

* Special production order size — check with factory for minimum quantity requirements.

Series GT

Light duty PVC dust collection and blower hose

Features and Benefits

- **PVC construction** —
 - **Series GT** is clear PVC with grey helix... allows visual confirmation that material is flowing.
 - **Series GTG** is grey PVC with grey helix.
- **Exposed helix design** — provides extreme flexibility and slides easily for ease of handling.
- **Smooth bore construction** — eliminates material build-up.

General Applications

- Dust collection.
- Fume removal.
- Air vent lines.
- Material chutes.
- Air seeder lines.

Clear Hose

Air Ducting

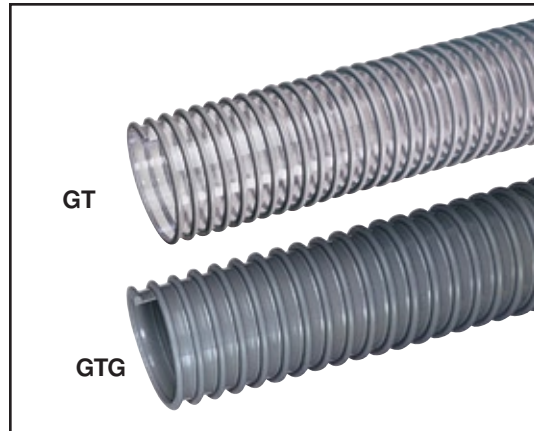
Exposed Helix

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

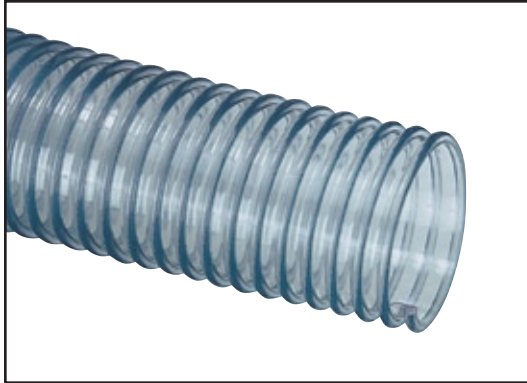
Service Temperature Range

-4° F to 150° F

Actual service temperature range is application-dependent.



Series	Nominal				Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
GT/GTG150	1 1/2	38.1	1.82	46.2	20	7	22	14	1"	100/50	.23
GT/GTG200	2	50.8	2.39	60.8	15	6	21	12	2"	100/50	.30
GT/GTG250	2 1/2	63.5	2.89	73.4	10	5	19	10	2"	100/50	.39
GT/GTG300	3	76.2	3.46	87.9	10	5	18	10	3"	100/50	.50
GT/GTG350	3 1/2	88.9	4.02	102.0	9	4	15	8	3"	100/50	.68
GT/GTG400	4	101.6	4.50	114.3	8	4	13	7	3"	100/50	.77
GT/GTG500	5	127.0	5.50	139.7	7	3	10	6	5"	100/50	.91
GT/GTG600	6	152.4	6.54	166.1	6	3	7	5	6"	100/50	1.08
GT/GTG800	8	203.2	8.59	218.2	4	2	5	3	8"	50	1.74
GT/GTG1000	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. Not for liquid handling use.

Service Temperature Range

-4° F to 150° F

Actual service temperature range is application-dependent.

Series GTF

PVC food grade lightweight blower and ducting hose

Features and Benefits

- **Clear PVC construction** — complies with all applicable FDA† and USDA★ requirements and 3-A Sanitary Standards¶... allows visual confirmation that material is flowing.
- **Exposed helix design** — provides high abrasion-resistance with increased flexibility... slides easily for ease of handling.
- **Smooth bore construction** — eliminates material build-up.

General Applications

- In-plant blower and ducting applications requiring a food grade hose.
- Material chutes.
- Pharmaceutical product transfer.

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
GTF150	1½	38.1	1.82	46.2	20	7	22	14	1"	50	.23
GTF200	2	50.8	2.39	60.8	15	6	21	12	2"	50	.30
GTF250	2½	63.5	2.89	73.4	10	5	19	10	2"	50	.39
GTF300	3	76.2	3.46	87.9	10	5	18	10	3"	50	.50
GTF400	4	101.6	4.50	114.3	8	4	13	7	3"	50	.77
GTF600	6	152.4	6.54	166.1	6	3	7	5	6"	50	1.08
GTF800	8	203.2	8.59	218.2	4	2	5	3	8"	50	1.74

† FDA — CFR Title 21 Parts 170 to 199.

★ USDA — For use in Federally-inspected meat and poultry plants.

¶ 3-A Sanitary Standard — No. 20-20, Multi-use plastic materials as product contact surfaces in equipment for production, processing and handling of milk and milk products.

NOTE: Available with embedded copper grounding wire upon request . . . Check with factory for minimum quantity requirement.



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

Service Temperature Range

-4° F to 150° F

Actual service temperature range is application-dependent.

Series CG

“Cover Guard”

CG: Light duty PVC ducting hose
CG-SL: Factory-Slit MSHA-listed PVC Conduit

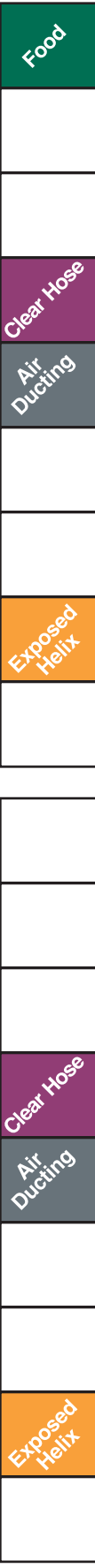
Features & Benefits

- **PVC construction** — clear PVC flexible with white helix... allows for visual confirmation of contents.
- **MSHA (US Government) listed** — for flame-resistance for use in mines.
- **White exposed helix design** — provides increased flexibility and slides easily for ease of handling.
- **Smooth bore construction** — eliminates material build up.

General Applications

- Mine supply line cover protection
- Dust collection
- Fume removal
- Air vent lines
- Cable protection

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
CG-SL100	1	25.4	1.28	31.9	n/a	n/a	n/a	n/a	.5"	100	0.14
CG-SL125	1¼	31.8	1.51	38.4	n/a	n/a	n/a	n/a	.75"	100	0.18
CG-SL150	1½	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	2¾	60.3	2.76	70.1	12	6	10	5	2"	100	0.38
CG/CG-SL250	2½	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	3½	88.9	3.83	97.4	8	4	7	3	3"	100	0.51



Series WH

Medium duty PVC suction, blower and ducting hose

Features and Benefits

- **Clear flexible PVC construction with grey helix** — allows full visual confirmation of flow.
- **Smooth bore construction** — eliminates material build-up.
- **Convuluted cover design** — provides increased flexibility.

General Applications

- Medium duty suction.
- Air seeder lines.
- Dust collection.
- Fume removal.

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

Service Temperature Range

-4° F to 150° F
Actual service temperature range is application-dependent.



Series	Nominal				Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
WH100	1	25.4	1.22	31.0	45	15	Full	24	1"	100	.15
WH125	1¼	31.8	1.54	39.2	40	12	Full	24	1"	100	.20
WH150	1½	38.1	1.80	45.7	40	12	Full	24	1.5"	100	.25
WH200	2	50.8	2.32	58.7	35	10	26	20	2.5"	100	.31

Tiger-Duct™

Extendo-Duct™

Polypropylene/Wire Reinforced Chemical fume air ducting hose

Features and Benefits

- **Chemically-resistant†** — Ideal for chemical fume exhaust applications.
- **Highly flexible, non-kinking.**
- **Self-supporting** — Unique wire-reinforced polypropylene construction allows hose to maintain its shape and support itself once it is positioned. Note: Applications requiring larger IDs and longer lengths may require additional fixed supports to ensure intended performance.
- **Highly extendible and contractible** — Can be contracted to approximately one-third its full extended working length.
- **Simple interlock connection** — Just twist the end of one hose into the end of another. No fittings, menders or couplings needed!
- **Easy end connections** — custom molded cuffs available to make end connections easy.
- **Light weight.** • **No off-gassing.**

General Applications

- Ducting for air conditioning, spot cooling and heating systems.
- Room air exhaust and ventilation.
- Dust collection.
- Clean rooms.
- OEM equipment applications (Can be compounded on special order to meet UL94HB criteria and other tests).
- Fume removal.
- Laboratories.

Service Temperature Range

-4° F to 175° F
Actual service temperature range is application-dependent.



Standard Stock Colors		ID (In./mm)	OD (In./mm)	Wire Dia. (mm)	Working Pressure (PSI)		Vacuum Rating (In. HG)		Minimum Bending Radius @ 68°F	Approx. Weight Only (lbs/ft)	Approx. Contracted Shipping Length Only
Brown	White				68°F	104°F	68°F	104°F			
EDB-150	EDW-150	1½/37.5	1.63/41.5	1.0	20	7	22	14	1.2"	0.10	85"
EDB-200	EDW-200	2/53.5	2.26/57.5	1.0	13	6	21	12	1.6"	0.12	82"
EDB-250	EDW-250	2½/67.0	2.80/71.0	1.0	10	5	19	10	2.0"	0.16	72"
EDB-300	EDW-300	3/76.5	3.17/80.5	1.0	10	5	18	10	2.3"	0.18	72"
EDB-400	EDW-400	4/102.0	4.17/106.0	1.2	8	4	13	7	3.0"	0.23	70"
EDB-500	EDW-500	5/127.5	5.18/131.5	1.2	7	3	10	6	4.3"	0.27	70"
EDB-600	EDW-600	6/155.0	6.26/159.0	1.2	6	3	7	5	5.1"	0.33	70"
EDB-800	EDW-800	8/202.0	8.19/208.0	1.8	4	2	5	3	7.0"	0.68	70"
EDB-1000	EDW-1000	10/253.0	10.22/259.5	1.8	3	1	4	2	9.0"	0.83	70"
EDB-1200	EDW-1200	12/302.0	12.13/308.0	1.8	2	1	3	1	11.0"	0.91	70"

14" size also available — check with factory for details.

Note: The true ID dimension of the hose can only be measured while the hose is fully extended.

The true ID becomes smaller while the hose is in the contracted state.

When cutting this hose, care should be taken to fully extend the length to prevent shortages.

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

† Note: Refer to separate catalog for Chemical Resistance Guide.



Agriculture



Construction

Couplings & Accessories



Tigerflex® hoses are used daily throughout the world in a wide variety of applications in such industries as Agriculture, Construction, Chemical Processing, and Petroleum.

Because of the demanding requirements of these applications, Kuriyama offers a complete line of couplings and hose accessories to help ensure that its hose products perform well and provide maximum service life.

Request your copy of our comprehensive Couplings & Accessories catalog today! Or download a copy from our Web Site:

<http://www.kuriyama.com>.



KTFC0702

Food
Abrasion Resistant
Liquid
Clear Hose
Dry

Series FT

Heavy duty PVC food grade material handling hose For dry or liquid applications

Features and Benefits

- **Clear PVC construction** — complies with all applicable FDA† and USDA★ requirements and 3-A Sanitary Standards¶... allows visual confirmation that material is flowing.
- **Smooth bore construction** — eliminates material build-up.
- **Smooth cover** — makes clamping easier.

General Applications

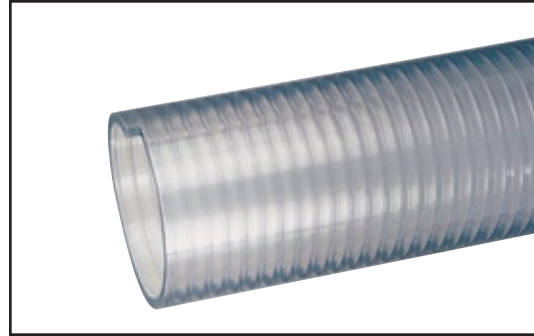
- Pneumatic conveying systems for powder, pellets or granular materials.
- Transfer of liquid or dry dairy products.
- Fish processing equipment.
- Syrup and juice transfer.
- Poultry cleaning operations.
- Wine making.

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

Service Temperature Range

-4° F to 150° F

Actual service temperature range is application-dependent.



Series	Nominal				Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
FT075	3/4	19.0	0.94	24.0	115	75	Full	28	3"	100	.17
FT100	1	25.5	1.28	32.5	100	70	Full	28	3"	100	.24
FT125	1 1/4	32.0	1.56	39.6	90	65	Full	28	4"	100	.44
FT150	1 1/2	38.1	1.80	46.5	85	60	Full	28	6"	100	.50
FT200	2	50.8	2.36	60.0	85	60	Full	26	8"	100	.71
FT250	2 1/2	63.5	2.88	73.2	65	45	Full	26	10"	100	.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"	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

† FDA — CFR Title 21 Parts 170 to 199.

★ USDA — For use in Federally-inspected meat and poultry plants.

¶ 3-A Sanitary Standard — No. 20-20, Multi-use plastic materials as product contact surfaces in equipment for production, processing and handling of milk and milk products.

Food
Liquid
Clear Hose

Series MILK/MILK-LT

PVC food grade liquid milk transfer hose

Features and Benefits

- **Precision-controlled ID and OD dimensions** — facilitates insertion of sanitary fittings.
- **Clear PVC construction with white helix** — complies with all applicable FDA† and USDA★ requirements and 3-A Sanitary Standards¶... allows visual confirmation that material is flowing.
- **Smooth bore construction** — provides unrestricted flow and eliminates material build-up.
- **Smooth cover** — makes clamping easier.

General Applications

- Milk Suction.
- Transfer of liquid dairy products.
- Wine making.

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

Series MILK: Service Temperature Range

-4° F to 150° F

Series MILK-LT: Service Temperature Range

-40° F to 150° F

Actual service temperature range is application-dependent.

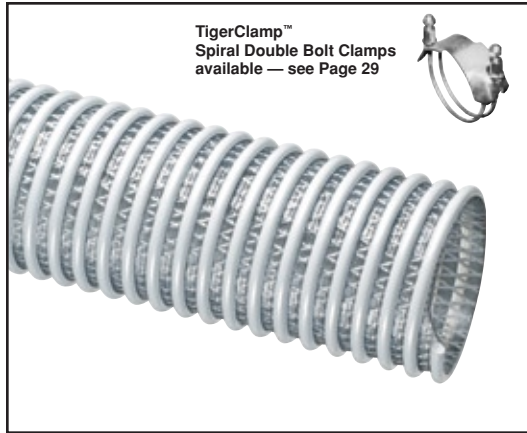


Series	Nominal				Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
MILK150	1/2	38.1	1.79	45.5	75	50	Full	26	4"	100	.45
MILK200	2	50.8	2.33	59.2	75	50	28	25	6"	100	.63
MILK250	2 1/2	63.5	2.87	73.0	55	40	28	24	10"	100	.81
MILK300	3	76.2	3.42	86.9	55	40	28	24	11"	100	1.18
MILK-LT200	2	50.8	2.33	59.2	75	50	28	25	5"	100	.65
MILK-LT250	2 1/2	63.5	2.87	73.0	55	40	28	24	8"	100	.84

† FDA — CFR Title 21 Parts 170 to 199.

★ USDA — For use in Federally-inspected meat and poultry plants.

¶ 3-A Sanitary Standard — No. 20-20, Multi-use plastic materials as product contact surfaces in equipment for production, processing and handling of milk and milk products.



TigerClamp™
Spiral Double Bolt Clamps
available — see Page 29

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

Service Temperature Range

-4° F to 150° F

Actual service temperature range is application-dependent.



Series	ID (In.)	Nominal		Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)	
		ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F				104°F
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
WSTF500	5	127.0	5.98	151.9	50	25	28	25	11"	100/20	2.95
WSTF600	6	152.4	7.17	182.1	50	25	28	25	13"	100/20	3.88

† FDA — CFR Title 21 Parts 170 to 199.

★ USDA — For use in Federally-inspected meat and poultry plants.

¶ 3-A Sanitary Standard — No. 20-20, Multi-use plastic materials as product contact surfaces in equipment for production, processing and handling of milk and milk products.

Series WSTF

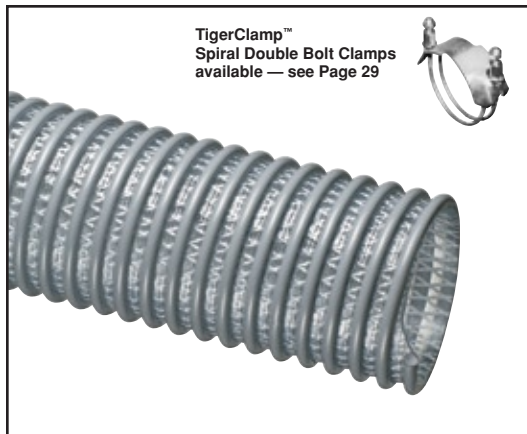
Heavy duty PVC food grade suction/discharge hose

Features & Benefits

- **Clear flexible PVC construction with synthetic reinforcement** — ideal for both suction and discharge applications... complies with all applicable FDA† and USDA★ requirements and 3-A Sanitary Standards¶... allows visual confirmation that material is flowing.
- **White exposed PVC helix design** — provides excellent strength characteristics while permitting hose to slide easily.
- **Smooth bore** — eliminates material build up.

General Applications

- Food processing, bottling, wine-making, dairy, brewing, canning.



TigerClamp™
Spiral Double Bolt Clamps
available — see Page 29

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

Service Temperature Range

-4° F to 150° F

Actual service temperature range is application-dependent.



Series	ID (In.)	Nominal		Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)	
		ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F				104°F
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

Series WST

Heavy duty PVC suction/discharge hose

Features & Benefits

- **Clear flexible PVC construction with synthetic reinforcement** — ideal for both suction and discharge applications... allows visual confirmation that material is flowing.
- **Gray exposed PVC helix design** — provides excellent strength characteristics while permitting hose to slide easily.
- **Smooth bore** — eliminates material build up.

General Applications

- Heavy duty suction and discharge.
- Rental/construction pumping.
- Fish suction.

Food
Abrasion Resistant
Liquid
Clear Hose
Dry
Exposed Helix
Abrasion Resistant
Liquid
Clear Hose
Dry
Exposed Helix

Abrasion Resistant

Liquid

Clear Hose

Dry

Low Temp.

Series W

Heavy duty PVC multi-purpose suction hose

Features and Benefits

- **Clear PVC construction with grey helix** — allows visual confirmation that material is flowing. Sizes 4" and above are formulated with HMW PVC compound for greater flexibility in sub-zero temperatures.
- **Smooth bore construction** — eliminates material build-up.
- **Convuluted cover design** — provides increased flexibility.

General Applications

- Full vacuum suction/transfer hose at 68°F. (up to 4").
- Trash pump hose.
- Construction and mining.
- Slurry handling.
- Heavy duty gold dredging.
- Irrigation lines.

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

Service Temperature Range

1" – 3": -4° F to 150° F
 4" – 12": -40° F to 150° F

Actual service temperature range is application-dependent.



Series	Nominal				Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
W100	1	25.4	1.30	33.0	55	35	Full	28	1"	100	.21
W125	1¼	31.7	1.60	40.6	50	30	Full	28	2"	100	.28
W150	1½	38.1	1.85	47.0	50	30	Full	28	2"	100	.34
W200	2	50.8	2.40	61.0	50	30	Full	28	3"	100	.52
W250	2½	63.5	2.99	75.9	45	25	Full	28	4"	100	.77
W300	3	76.2	3.64	92.5	45	25	Full	28	6"	100	1.18

The following sizes are formulated with low temperature compounds

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

Series WG

Heavy duty PVC general purpose suction hose

Features and Benefits

- **Green PVC convuluted construction** — provides flexibility.
- **Smooth bore construction** — allows unrestricted flow.

General Applications

- Rock dusting.
- Construction and mining.
- Irrigation lines.

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

Service Temperature Range

-4° F to 150° F

Actual service temperature range is application-dependent.



Series	Nominal				Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
WG150	1½	38.1	1.85	47.0	50	25	Full	28	2"	100	.34
WG200	2	50.8	2.40	61.0	50	25	Full	28	3"	100	.52
WG300	3	76.2	3.64	92.5	45	22	Full	28	6"	100	1.18
WG400	4	101.6	4.76	120.9	35	18	Full	28	8"	100	1.93

Liquid

Dry



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

Service Temperature Range

-40° F to 150° F

Actual service temperature range is application-dependent.

Series CF “Cold Flex” heavy duty low-temperature PVC general purpose suction and transfer hose

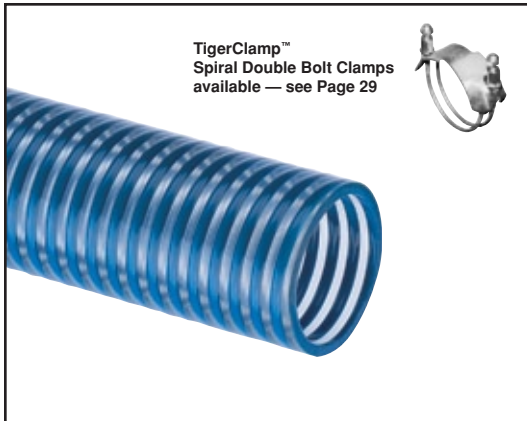
Features and Benefits

- **Black HMW PVC convoluted construction** — provides great flexibility in sub-zero temperatures.
- **Smooth bore construction** — allows unrestricted material flow.
- All sizes full vacuum rated at 68°F.

General Applications

- Low temperature suction applications.
- Liquid manure handling.
- Septic tank cleaning.
- Dry fertilizer broadcasting.

Series	ID (In.)	Nominal		Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)	
		ID (mm)	OD (mm)	68°F	104°F	68°F	104°F				
CF150	1½	38.1	1.84	46.7	100	65	Full	28	3"	100	.40
CF200	2	50.8	2.41	61.2	100	65	Full	28	4"	100	.75
CF250	2½	63.5	2.93	74.5	90	55	Full	28	6"	100	.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



TigerClamp™
Spiral Double Bolt Clamps
available — see Page 29

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

Service Temperature Range

-40° F to 150° F

Actual service temperature range is application-dependent.



Series BW “Blue Water” Multi-purpose low temperature suction and transfer hose

Features & Benefits

- **HMW PVC clear construction** — allows for visual confirmation that material is flowing.
- **HMW PVC body** — provides sub-zero flexibility... increased abrasion-resistance compared to standard PVC.
- **Smooth cover** — makes clamping easy. Convoluted cover on 5" & 6" for greater flexibility.
- **Clear body with blue helix** — provides easy identification.

General Applications

- General water suction & transfer
- Construction, rental & mining
- Agricultural applications
- Irrigation lines
- Abrasive liquid applications

Series	ID (In.)	Nominal		Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)	
		ID (mm)	OD (mm)	68°F	104°F	68°F	104°F				
BW075	¾	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	1¼	31.8	1.56	39.6	90	65	Full	26	4"	100	0.36
BW150	1½	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	2½	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

Abrasion Resistant

Liquid

Dry

Low Temp.

Abrasion Resistant

Liquid

Clear Hose

Dry

Low Temp.

Liquid

Dry

Liquid

Clear Hose

Dry

Series S

Heavy duty
PVC general purpose
suction and transfer hose

Features and Benefits

- **Heavy duty PVC construction** — provides superior vacuum rating. Color is solid blue. Smooth cover on sizes 1" through 2". Convoluted cover on 3" and 4" for greater flexibility.
- **Smooth bore construction** — eliminates material build-up.

General Applications

- Trash pump hose.
- Irrigation pumping.
- Slurry handling.
- Latex paint transfer.

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

Service Temperature Range

-4° F to 150° F
Actual service temperature range is application-dependent.



Series	Nominal				Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
S100	1	25.4	1.28	32.5	100	75	Full	Full	3"	100	.28
S125	1¼	31.7	1.56	39.6	100	65	Full	Full	4"	100	.37
S150	1½	38.1	1.83	46.5	100	65	Full	Full	6"	100	.49
S200	2	50.8	2.36	60.4	100	65	Full	Full	8"	100	.87
S300	3	76.2	3.59	91.2	80	50	Full	Full	10"	100	1.34
S400	4	101.6	4.67	118.6	65	35	Full	Full	12"	100	2.15

Series F Series G

Medium duty
PVC general purpose
suction and transfer hose

Features and Benefits

- **PVC construction** — provides durability. Smooth cover on sizes ¾" through 5" ID. Convoluted cover on sizes 6" and 8" for greater flexibility.
 - Series F is clear with grey helix.
 - Series G is solid green.
- **Smooth bore construction** — allows full flow.

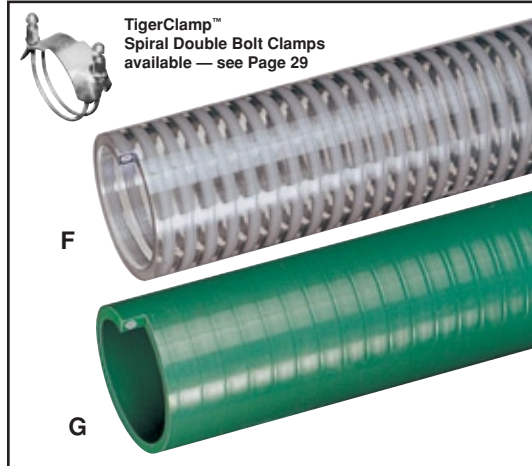
General Applications

- Construction and mining.
- Irrigation lines.
- Rock dusting.
- Wellpoint systems.
- Agri-foam systems.
- Miscellaneous agricultural applications.
- Liquid fertilizer transfer.

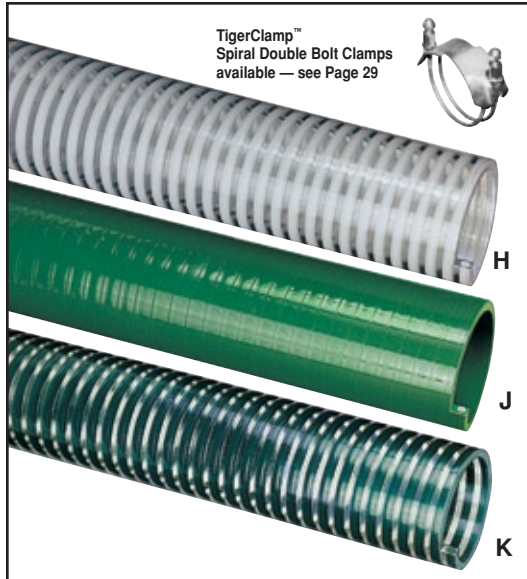
NOTE: Service life may vary depending on operating conditions and type of material being conveyed.

Service Temperature Range

-4° F to 150° F
Actual service temperature range is application-dependent.



Series	Nominal				Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
F/G075	¾	19.0	1.01	25.6	115	75	Full	28	3"	100	.21
F/G100	1	25.4	1.26	32.0	90	65	Full	28	3"	100	.27
F/G125	1¼	31.7	1.56	39.6	90	65	Full	26	4"	100	.36
F/G150	1½	38.1	1.83	46.5	90	65	Full	26	5"	100	.48
F/G200	2	50.8	2.38	60.4	90	65	Full	26	7"	100	.71
F/G250	2½	63.5	2.89	73.4	70	48	Full	26	8"	100	.96
F/G300	3	76.2	3.44	87.4	65	45	Full	26	10"	100	1.25
F/G400	4	101.6	4.57	116.1	55	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.

Service Temperature Range

-4° F to 150° F

Actual service temperature range is application-dependent.



† Series J is MSHA (US Government) listed for flame resistance for use in mines.

Series H Series J Series K

Standard duty
PVC general purpose
suction and transfer hose

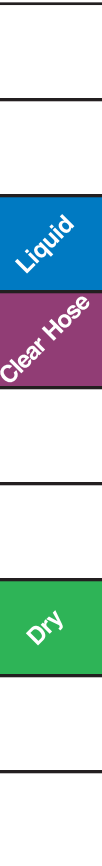
Features and Benefits

- **PVC construction** — provides durability. Smooth cover on sizes 3/4" through 5". Convoluted cover on 6" and 8" sizes for greater flexibility.
 - Series H is clear with white helix.
 - Series J is solid olive green.
 - Series K is clear with dark green helix.
- **Smooth bore construction** — allows full flow.

General Applications

- Construction and mining supply lines.
- Irrigation lines.
- Rock dusting.
- Wellpoint systems.
- Agri-foam systems.
- Miscellaneous agricultural applications.
- Liquid fertilizer transfer.

Series	ID (In.)	Nominal		Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)	
		ID (mm)	OD (mm)	68°F	104°F	68°F	104°F				
H/J/K075	3/4	19.0	1.01	25.6	110	70	28	26	3"	100	.19
H/J/K100	1	25.4	1.26	32.0	85	60	28	26	3"	100	.26
H/J/K125	1 1/4	31.7	1.56	39.6	85	60	28	24	4"	100	.35
H/J/K150	1 1/2	38.1	1.83	46.5	70	50	28	24	5"	100	.48
H/J/K200	2	50.8	2.32	59.0	65	45	28	24	7"	100	.66
H/J/K250	2 1/2	63.5	2.87	73.0	65	45	28	24	8"	100	.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



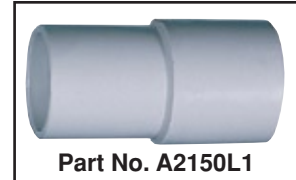
Series MH

Odor-retardant PVC marine sanitary hose

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

Service Temperature Range

-4° F to 150° F
Actual service temperature range is application-dependent.



Features and Benefits

- **Special odor-retardant cream-colored PVC construction** — helps eliminate unsanitary odors.
- **Convoluted cover** — allows extra flexibility in confined bilge areas.
- **Smooth bore construction** — allows unrestricted flow.

General Applications

- Marine bilge discharge.
- Marine toilet transfer.
- Recreational vehicle and marine plumbing.
- Dockside pump-out lines.

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

Series	Nominal				Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
	ID (In.)	ID (mm)	OD (In.)	OD (mm)	68°F	104°F	68°F	104°F			
MH100	1	25.4	1.22	31.0	45	15	Full	24	1"	100	.15
MH125	1¼	32.0	1.49	38.0	40	12	Full	24	1.5"	100	.20
MH150	1½	38.1	1.77	45.0	40	12	Full	24	2"	100	.25
MH200	2	50.8	2.32	59.0	35	10	26	20	2.5"	100	.31

Spa Hose

Flexible PVC Spa & Pool hose

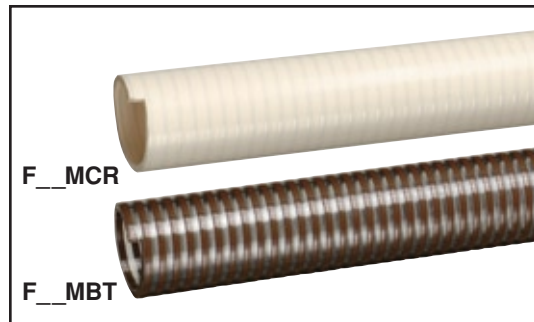
- **Smooth bore construction** — allows unrestricted flow.

General Applications

- Replaces rigid pipe for plumbing pool, spa or hot tub installations.

Service Temperature Range

-4° F to 150° F
Actual service temperature range is application-dependent.



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)

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.

Features and Benefits

- Specially designed for use in the installation of tubs, spas, swimming pools, filters, and similar water transfer applications. Designed to be glued into Schedule 40 PVC fittings.
- **Very flexible** — ideal for working in confined areas. Permits installer to make smooth, tight turns. Saves time and labor.
- **Cost-saving** — requires fewer fittings than rigid pipe when plumbing a normal spa or hot tub installation.

Series No.		IPS Size (In.)	O. D.		Max. Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Minimum Bend Dia. @ 68° F (In.)	Standard Length (ft.)	Approx. Weight (lbs/ft)
Solid Cream Color	Clear Flex/Burgundy Helix		(In.)	(mm)	@ 68°F	@104°F	@ 68°F	@104°F			
F16MCR	* F16MBT	½"	0.850	21.50	100	70	28	26	2	100/50	0.14
F20MCR	* F20MBT	¾"	1.053	26.75	100	70	28	26	2	100/50	0.21
F27MCR	F27MBT	1"	1.320	33.52	100	70	28	24	3	100/50	0.28
F36MCR	F36MBT	1¼"	1.663	42.25	80	55	28	24	4	100/50	0.37
F42MCR	F42MBT	1½"	1.904	48.35	70	50	28	24	4	100/50	0.44
F52MCR	F52MBT	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

* Available sizes which are NOT IAPMO Listed.

KTFC A0504

Other Products



Kuriyama of America, Inc. offers a variety of products in several different product lines which are used daily in Industry to transfer both liquid and dry materials. For more information, or for a copy of any of our other catalogs and brochures, please contact your local Kuriyama sales office (listed on the back cover) or visit us on the Web at <http://www.kuriyama.com>.

PVC "Layflat" Water Discharge Hoses

Ironsides® Heavy Duty Water Discharge Hose

MSMA ACCEPTED

- All hose coils have PVC cores for easier dispensing.
- Hoses coil flat for easy storage.
- Temperature range: 0° F. to 170° F.
- Recommended fittings: Standard short shank aluminum, stainless or brass couplings.

Series: Nominal Size, Hose Approx. Thickness, Wall Thickness, Working Pressure, Coil Approx. Weight

Series No.	Nominal Size (in.)	Hose Approx. Thickness (in.)	Wall Thickness (in.)	Working Pressure (PSI)	Coil Approx. Weight (lbs./100ft)
IS 100	1.00	1.81	1.00	100	180
IS 200	2.00	2.00	1.00	100	300
IS 300	3.00	2.00	1.00	100	420
IS 400	4.00	2.00	1.00	100	540
IS 500	5.00	2.00	1.00	100	660
IS 600	6.00	2.00	1.00	100	780
IS 800	8.00	2.00	1.00	100	1020
IS 1000	10.00	2.00	1.00	100	1260

■ Premium quality PVC tube and cover, reinforced with two spiral plies and toughened synthetic cords.

■ RFIK resistant (resistance to blowing by RFIK & C-2000 for use as a water hose in underground mining applications)

■ Not intended for use as a fire hose.

■ Use for agricultural, quarry, irrigation, mining, construction and industrial applications.

■ Excellent as a portable hydrant or relay supply line hose.

■ May be coiled or stored when wet.

■ Long Lengths 500 ft.

■ Heavy kniving and handling.

■ High ozone resistance.

■ High flame resistance.

Vinylflow® Premium Drip Irrigation + Water Discharge Hose

Series: Nominal Size, Hose Approx. Thickness, Wall Thickness, Working Pressure, Coil Approx. Weight

Series No.	Nominal Size (in.)	Hose Approx. Thickness (in.)	Wall Thickness (in.)	Working Pressure (PSI)	Coil Approx. Weight (lbs./100ft)
VF 100	1.00	1.81	1.00	100	180
VF 200	2.00	2.00	1.00	100	300
VF 300	3.00	2.00	1.00	100	420
VF 400	4.00	2.00	1.00	100	540
VF 500	5.00	2.00	1.00	100	660
VF 600	6.00	2.00	1.00	100	780
VF 800	8.00	2.00	1.00	100	1020
VF 1000	10.00	2.00	1.00	100	1260

■ A premium water discharge hose featuring a selected polypropylene pipe with long tear-resistant strength member and homogeneous PVC tube and cover.

■ Ideal for general purpose water discharge applications.

■ Ideal for use as a drip irrigation supply line.

■ Smooth lay flat for use in irrigation applications.

■ See charts on opposite side.

■ Easy storage with reinforced irrigation under pressure.

■ Hoses may be purchased easily without tearing for drip irrigation applications.

■ Homogeneous tube and cover construction eliminates separation.

■ Ultra-soft endbars reduce aging and weather cracking.

NUFLO® General Purpose Water Discharge Hose

Series: Nominal Size, Hose Approx. Thickness, Wall Thickness, Working Pressure, Coil Approx. Weight

Series No.	Nominal Size (in.)	Hose Approx. Thickness (in.)	Wall Thickness (in.)	Working Pressure (PSI)	Coil Approx. Weight (lbs./100ft)
NUFLO 100	1.00	1.81	1.00	100	180
NUFLO 200	2.00	2.00	1.00	100	300
NUFLO 300	3.00	2.00	1.00	100	420
NUFLO 400	4.00	2.00	1.00	100	540
NUFLO 500	5.00	2.00	1.00	100	660
NUFLO 600	6.00	2.00	1.00	100	780
NUFLO 800	8.00	2.00	1.00	100	1020
NUFLO 1000	10.00	2.00	1.00	100	1260

■ A high, economical, general purpose PVC water discharge hose featuring premium reinforcement and homogeneous PVC cover and tube.

■ For applications involving low to medium working pressures.

■ Highly resistant to corrosion, oxidation, mining and general open and water discharge applications.

■ Homogeneous design PVC construction eliminates separation of tube and cover.


■ High tensile polymer per reinforcement provides strength and durability.

■ All hoses are available in 100 foot increments and are available in long lengths.

Kuriyama of America, Inc.

300 E. Dale Parkway, Schaumburg, IL 60173-5225 • Phone: (815) 709-0200 • Fax: (815) 709-0208 • Toll Free Fax: (800) 800-6220

Three types of PVC Layflat hoses are offered: economical Nu-Flo™, general purpose Vinylflow®, and heavy duty premium quality Ironsides®. Available in long lengths (up to 300 ft.) and diameters to 16". For use in agricultural, quarry, irrigation, mining, construction and industrial applications.



Kuri Tec®

Leaders in Thermoplastic Hose Innovation & Manufacturing

Visit us at www.kuriyama.com on the Web!

KKTCA804

Our Kuri Tec® line of Industrial Hose and Tubing includes a variety of PVC, Polyurethane and PVC/Polyurethane blend hose and tubing for handling food, drinking water and other beverages, as well as air for breathing and industrial uses, paint and a variety of chemicals.


Kuri Tec® Hose & Tubing

PVC Layflat Water Discharge Hoses


Mill Discharge Hoses

Single Jacket & Double Jacket "Contractor Grade"

For pump water discharge, wash down service on ships and in factories, plant clean-up and construction pumps.



Single Jacket Mill Discharge Hose



Double Jacket "Contractor Grade" Mill Discharge Hose

NEW! 100% PRESTRENGTH POLYESTER

NEW! 100% PRESTRENGTH POLYESTER

FEATURES & BENEFITS

- 100% polyester single jacket or double jacket with all synthetic yarn — water and mildew-resistant cover will not rot, even if the hose is stored wet.
- Double jacket — provides greater abrasion resistance.
- Smooth natural rubber tube — provides strength and flexibility. Hose may be rolled easily for storage.
- Wide range of operating temperatures — hoses may be used in temperatures ranging from -20°F to 180°F without stiffening.
- White cover with single stripe — red stripe indicates single jacket, blue stripe indicates double jacket, provides easy identification.
- Packaging — individually packaged in cartons for ease of handling and shipping.

SPECIFICATIONS:

Series No.	Nominal Size (in.)	Thickness (in.)	Wall Thickness (in.)	Working Pressure (PSI)	Coil Length (ft.)	Coil Weight (lbs.)	Price (per 100ft)
MSD 100	1.00	1.81	1.00	100	100	180	\$1.80
MSD 200	2.00	2.00	1.00	100	100	300	\$1.80
MSD 300	3.00	2.00	1.00	100	100	420	\$1.80
MSD 400	4.00	2.00	1.00	100	100	540	\$1.80
MSD 500	5.00	2.00	1.00	100	100	660	\$1.80
MSD 600	6.00	2.00	1.00	100	100	780	\$1.80
MSD 800	8.00	2.00	1.00	100	100	1020	\$1.80
MSD 1000	10.00	2.00	1.00	100	100	1260	\$1.80

*NOTE: Each hose length may be ordered in 50 foot increments. Hose may be ordered in long lengths.

TERMS, CONDITIONS AND LIMITED WARRANTY OF SALE ON BACK PAGE

Kuriyama of America, Inc.

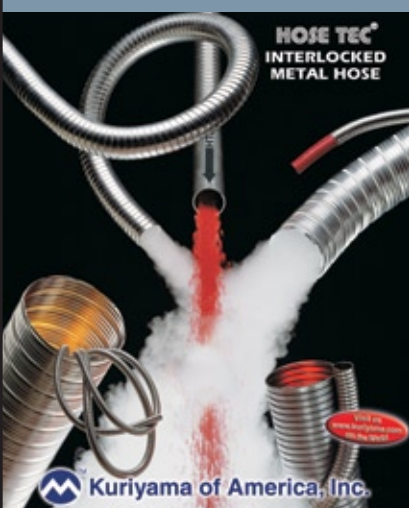
300 E. Dale Parkway, Schaumburg, IL 60173-5225 • Phone: (815) 709-0200 • Fax: (815) 709-0208 • Toll Free Fax: (800) 800-6220

*** SALES OFFICES — CONTACT LOCATION BELOW WHICH SERVES YOUR AREA ***

ALABAMA: Birmingham, AL • ARIZONA: Phoenix, AZ • ARKANSAS: Little Rock, AR • CALIFORNIA: Los Angeles, CA • COLORADO: Denver, CO • CONNECTICUT: Bridgeport, CT • DELAWARE: Newark, DE • FLORIDA: Orlando, FL • GEORGIA: Atlanta, GA • ILLINOIS: Chicago, IL • INDIANA: Indianapolis, IN • IOWA: Des Moines, IA • KANSAS: Overland Park, KS • KENTUCKY: Louisville, KY • LOUISIANA: New Orleans, LA • MAINE: Portland, ME • MARYLAND: Baltimore, MD • MASSACHUSETTS: Boston, MA • MICHIGAN: Detroit, MI • MINNESOTA: Minneapolis, MN • MISSISSIPPI: Jackson, MS • MISSOURI: St. Louis, MO • MONTANA: Billings, MT • NEBRASKA: Omaha, NE • NEVADA: Las Vegas, NV • NEW HAMPSHIRE: Manchester, NH • NEW JERSEY: Newark, NJ • NEW YORK: New York, NY • NORTH CAROLINA: Charlotte, NC • NORTH DAKOTA: Grand Forks, ND • OHIO: Columbus, OH • OKLAHOMA: Oklahoma City, OK • OREGON: Portland, OR • PENNSYLVANIA: Philadelphia, PA • RHODE ISLAND: Providence, RI • SOUTH CAROLINA: Columbia, SC • SOUTH DAKOTA: Sioux Falls, SD • TENNESSEE: Nashville, TN • TEXAS: Houston, TX • UTAH: Salt Lake City, UT • VERMONT: Montpelier, VT • VIRGINIA: Richmond, VA • WASHINGTON: Seattle, WA • WEST VIRGINIA: Charleston, WV • WISCONSIN: Milwaukee, WI • WYOMING: Cheyenne, WY

© 1995, Kuriyama of America, Inc. RM-0005 Printed in U.S.A. KLFPL0002

100% polyester Single and Double Jacket Mill Discharge hoses will not rot, even when stored wet. Ideal for pump water discharge, wash down service on ships and in factories, plant clean-up and construction pumps.



HOSE TEC® INTERLOCKED METAL HOSE

Kuriyama of America, Inc.

Visit us at www.kuriyama.com on the Web!

KKTCA806

Our Hose Tec® product line includes Lined and Unlined Flexible Metal Interlocked Hose, Steel and Stainless Steel Plate Flanges, Rubber Expansion Joints, and Flexible Metal Pump Connectors

Hose Tec® Flexible Metal Hose & Accessories

Single and Double Jacket Mill Discharge Hoses

KTFCA0107

Abrasion Resistant

Liquid

Clear Hose

Dry

Low Temp.

Series OV Oil Vac™

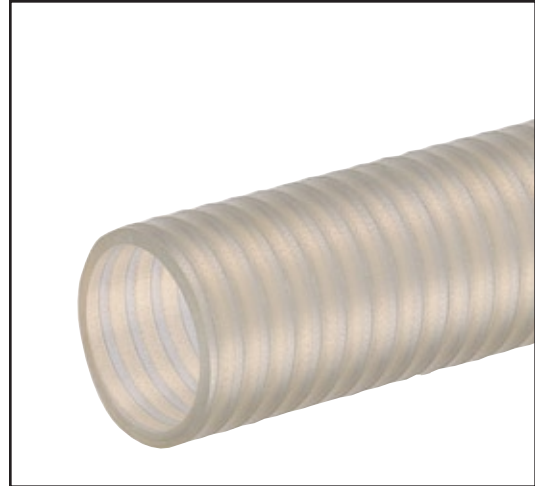
Heavy duty polyurethane hose for liquid-oil or dry material applications

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

Service Temperature Range

-40° F to 150° F

Actual service temperature range is application-dependent.



Features & Benefits

- **Clear polyurethane construction** — allows visual confirmation that material is flowing. Reinforced with a PVC rigid helix.
- **Smooth bore construction** — eliminates material build up.
- **Smooth cover** — makes clamping easier.

General Applications

- Pneumatic conveying systems for pellets or granular materials.
- Oil, fuel & grease transfer.
- Cold weather material handling applications.

Series	Nominal ID (In.)	Nominal ID (mm)	Nominal OD (In.)	Nominal OD (mm)	Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
					68°F	104°F	68°F	104°F			
OV100	1	25.4	1.26	32.0	85	60	28	26	3"	100	0.23
OV125	1¼	31.7	1.49	37.8	85	60	28	24	5"	100	0.30
OV150	1½	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	2½	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

Liquid

Air Ducting

Low Temp.

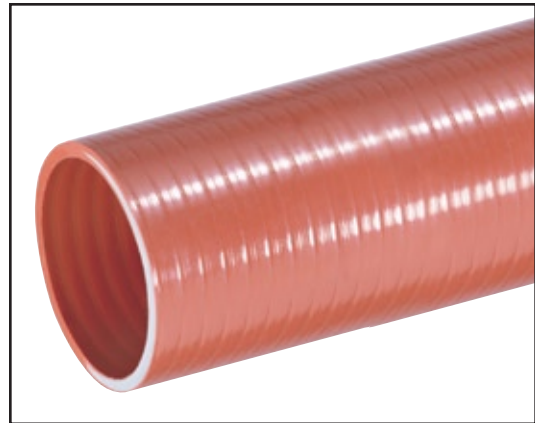
Series ORV Oil-Resistant PVC Hose

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

Service Temperature Range

5° F to 150° F

Actual service temperature range is application-dependent.



Features & Benefits

- **Special orange PVC formulation** — meets the requirements of controlled collection, recovery and transfer of hydrocarbon emissions.
- **Smooth PVC cover** — allows for ease of coupling.
- **Smooth bore construction** — allows unrestricted flow.

General Applications

- Light duty oil suction
- Oil slurry handling
- Recovery and transfer of hydrocarbon emissions

Series	Nominal ID (In.)	Nominal ID (mm)	Nominal OD (In.)	Nominal OD (mm)	Working Pressure (PSI)		Vacuum Rating (In. Hg)		Approx. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs/ft.)
					68°F	104°F	68°F	104°F			
ORV075	¾	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
ORV125	1¼	31.8	1.51	38.3	80	50	28	26	4"	100	0.30
ORV150	1½	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 Chemical Resistance Guide on Page 27.



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

Service Temperature Range

5° F to 150° F

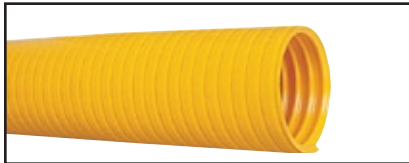
Actual service temperature range is application-dependent.

Series WOR PVC vapor recovery hose

Features & Benefits

- **Special PVC construction** — provides durability... is specially formulated to meet the requirements of controlled collection, recovery and transfer of hydrocarbon emissions. Color is brick orange. Banding sleeves are recommended for use with vapor recovery hoses to relieve the stress behind each fitting.
- **Convuluted cover** — allows greater flexibility.
- **Smooth bore construction** — allows unrestricted flow.

Series	ID		OD		Working Pressure (PSI)		Vacuum Rating (Inches Hg)		Min. Bending Radius @ 68°F	Standard Length (Ft)	Approx. Wt. (lbs./ft.)
	(In.)	(mm)	(In.)	(mm)	68°F	104°F	68°F	104°F			
WOR150	1½	38.1	1.92	48.8	50	25	28	24	3"	100	.31
WOR200	2	50.8	2.40	61.0	40	20	28	24	4"	100	.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



PVC banding sleeve — Banding sleeve (shown at left) is available for use with 3" and 4" vapor recovery hoses. Standard length is 3 ft. and is easily cut to required length.

General Applications

- Recovery and transfer of hydrocarbon emissions.
- Light duty oil suction.

Series	Fits	Standard length	Weight (lbs/each)
SLV-YL 3X3	WOR300	3 ft.	4.0
SLV-YL 4X4	WOR400	3 ft.	5.8

Petroleum Resistance Guide for Series ORV and WOR Hoses —

	70°F	125°F	150°F		70°F	125°F	150°F		70°F	125°F	150°F
Gasoline Vapor	A	X	X	Transmission Fluid	A	B	X	Gas Oil	A	A	X
Kerosene Vapor	A	B	X	Lubricating Oil	A	B	X	Fuel Oil	A	A	X
Train Oil	A	X	X	Turbine Oil	A	B	X	Dynamo Oil	A	A	B
Soy Bean Oil	A	X	X	Spindle Oil	A	B	X	Machine Oil	A	A	B
Caster Oil	A	X	X					ASTM #3 Oil	A	A	B

KEY: A — Recommended for the service and conditions shown. B — Limited service. X — Not recommended.

Banding Coils

For both food grade & non-food grade applications

Banding Coils are designed to fit in between the corrugated helixes of Tigerflex® brand hoses to provide a smoother surface and firmer seat for hose bands and clamps. Banding Coils help reduce external hose damage from improperly placed clamps and bands. Bands or clamps should be installed over the Banding Coil.

Tigerflex® Banding Coils are made of new, stronger food grade PVC, for use in both food grade and non-food grade applications.

Packaged singly: One piece makes one hose assembly (two coupled ends). Hose assembler to cut the one piece into two separate pieces — one piece for each hose end.



Clear Banding Coils

Part No.	Fits Nominal Hose Size	Approx. Weight (lbs/ea.)
BCCF1.5	1 1/2"	0.65
BCCF2	2"	0.70
BCCF3	3"	0.80
BCCF4	4"	0.90
BCCF5	5"	1.10
BCCF6	6"	1.30
BCCF8	8"	1.40

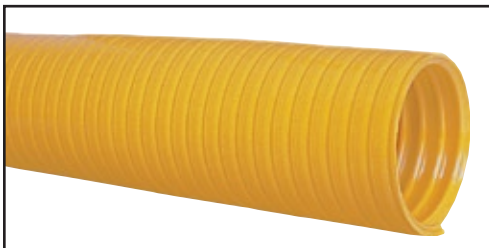
Banding Sleeves

Fits Tigerflex® hoses Series WOR & Series 2020

Banding Sleeves are designed to be threaded onto the outside of each end of the hose to relieve the stress from excess bending at the coupling area. Bands or clamps should be installed over the Banding Sleeve.

It is suggested that at least 12 inches of Banding Sleeve be used at each coupled end. Hose assembler to cut to length.

Made of yellow non-food grade flexible PVC.



Yellow Banding Sleeves

Part No.	Fits Nominal Hose Size	Standard Length	Weight (lbs/ea.)
SLV-YL3X3	3"	3 Ft.	3.7
SLV-YL4X3	4"	3 Ft.	5.3

Caution: Proper evaluation of holding power for clamp must be determined for each individual installation.



NEW SIZES!

Threaded protective cap (provided on all sizes) helps prevent injury.



TigerClamp™ Spiral Double Bolt Clamps

For use on Tigerflex® hoses with convoluted cover (counter-clockwise spiral only).

For adequate holding power, a single clamp may be used on each end for 1½" – 4" ID hose. Two clamps are recommended for each end on 5" ID hose and larger.

NOTE: Use of pneumatic air tools for tightening purposes is not recommended due to potential clamp damage caused by excess torque. Both hex nuts should be tightened equally to prevent possible leakage. If sockets are used, they should be deep well sockets.

Series	Fits Hose ID (In.)	Series	Fits Hose ID (In.)
SDBC-1.5	1½"	SDBC-4	4"
SDBC-2	2"	SDBC-5	5"
SDBC-2.25	2¼"	SDBC-6	6"
SDBC-2.5	2½"	SDBC-8	8"
SDBC-3	3"	SDBC-10	10"
SDBC-3.5	3½"	SDBC-12	12"

TigerClamp™ Spiral Double Bolt Clamps are recommended for use on the following Tigerflex® convoluted hoses:

- | | | |
|-------------|-------------|-----------|
| Series 2020 | Ureflex-3 | Series WG |
| Series 2001 | Series WU | Series BW |
| Series WT | Series GC | Series S |
| Series WE | Series GC-C | Series F |
| Series WBS | Series CG | Series G |
| Ureflex-1 | Series WH | Series H |
| Ureflex-2 | Series WSTF | Series J |
| Series UBK | Series WST | Series K |
| Series PF | Series W | |

Our specially-designed swivel quick-couplers minimize the torque and twisting that occurs when a hose is in service. Suggested for use with 4" ID 2020, 2001, PF and WU Series hoses.



Safety clip provides positive locking.

Investment cast stainless steel LTW™ (Lifetime Warranted) handles with Z-Lok™ patented locking feature.

Stainless steel ball bearings ensure smooth swivel action.

New SmoothFlow™ tapered throat design provides full flow... reduces pressure drop and material build-up in hose.



SureSeal™ Aluminum Collar Clamp (included) provides positive seal... eliminates cutting of hose at shank end.

White Nitrile gasket helps prevent product contamination.

Aluminum Swivel Cam & Groove Couplings

Female Aluminum Swivel Part "C" with Collar Clamp

Part Number	Size	Weight Each
SCAL-C400	4"	5.50

Male Aluminum Part "E" with Collar Clamp

Part Number	Size	Weight Each
SCAL-E400	4"	3.20

SureSeal™ Aluminum Collar Clamp with Allen Wrench and Cap Screws

Part Number	Size	Weight Each
AL-SVC400	4"	1.70

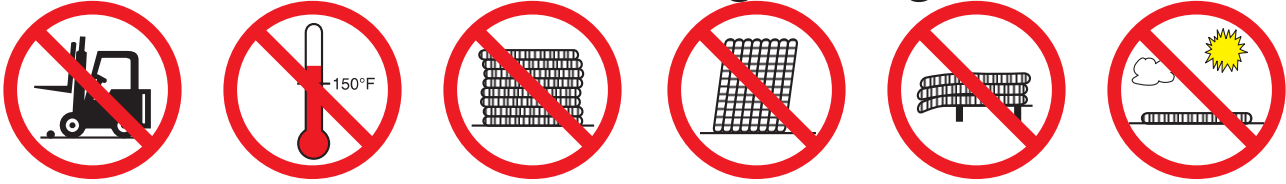
White Nitrile (BUNA-N) Gasket

Part Number	Size	Weight Each
WNIT400	4"	0.66

NOTE: Swivel Couplings are fully interchangeable with any other adapters made to MIL Specs.

KTFCA0903

Care, maintenance and storage of Tigerflex® hose



Proper storage conditions and handling procedures can enhance and substantially extend the ultimate life of *Tigerflex*® hose.

Hose has limited life and the user must be alert to signs of impending failure. The service life of our hose is dependent upon the user's application. 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.

Tigerflex® hose should not be subjected to any form of abuse in storage or service.

Care should be taken to protect the hose from heavy load factors. Hose should be stored flat on smooth surfaces, and should not be stacked more than six coils high. Stacking hose higher than this could cause the compression load factor on

the bottom coil to exceed the hose's design load limitations, causing the bottom coil to flatten out.

Hose should not be stored outdoors due to potential damage from the elements, which may shorten hose life.

Hose should not be stored in an upright manner, as this can cause the round coils to become egg shaped, and that stress can cause a deterioration of the hose.

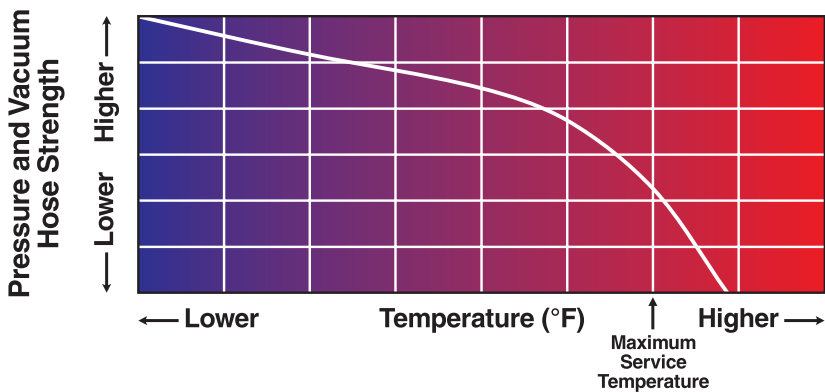
Hose should not be kinked or run over by any equipment. In the handling of larger ID hose, dollies should be used in transporting whenever possible. Slings or handling rigs, properly placed, should be used to support heavier hose, as there is no fabric or wire reinforcements in the hose to provide longitudinal support.

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 Guide

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 Guide which appears on the following pages has 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 this Chemical Resistance Guide. 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 this Chemical Resistance Guide 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 Guide shown on the following pages is 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.

The following materials are used in the construction of *Tigerflex*[®] hoses:

Flex Material	Tigerflex Hose	
Polyvinyl Chloride (PVC)	Series WT	Series WSTF
	Series WE	Series WST
	Series WBS	Series W
	Series MULCH	Series WG
	Series LK/LKC	Series CF
	Series GT/GTG	Series BW
	Series GTF	Series S
	Series CG/CG-SL	Series F/G
	Series WH	Series H/J/K
	Series FT	Series MH
	Series MILK/MILK-LT	Spa Hose

Flex Material	Tigerflex Hose	
Thermoplastic Polyurethane (TPU)	Series 2020	Urevac-3
	Series 2001	Series WU
	Ureflex-1	Series UVPE
	Ureflex-2	Urevac-1
	Series UBK	Series UVF
	Series PF	Series GC/GC-C
	Urevac-2	Series OV

Chemical Resistance Guide

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	—	—	—	—
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
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	—	—
Anthraquinonesulfonic Acid	E	E	U	U
Antimony Pentacalcide	—	—	—	—
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
Butynediol (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	E	E	E
Castor Oil	E	G	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	—	—
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

Key: E — Excellent

G — Good

L — Limited

U — Unsatisfactory

KTFC0702

Chemical Resistance Guide

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
Deminerlized 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
Diocetyl Phthalate	U	U	—	—
Diethylphthalate	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	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	—	—
Formic 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	U	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	—	—
Hydrofluorosilicic 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.	U	L	L	U
Hydrogen Peroxide 90 Pct.	E	U	U	U
Hydrogen Phosphide	E	L	—	—
Hydrogen Sulfide – Aqueous Solution	E	E	—	—
Hydrogen Sulfide – Dry	E	E	—	—
Hydrobromic 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	—	—

KTFCFA0702

Key: E — Excellent

G — Good

L — Limited

U — Unsatisfactory

Chemical Resistance Guide

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
Naphthalene	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
Perchloroethylene	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
Jodium	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	—	—	—	—
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

Key: E — Excellent

G — Good

L — Limited

U — Unsatisfactory

KTFC0702

Chemical Resistance Guide

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 Thiosulfate (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	—	—
Tartaric Acid	E	G	L	U
Tea (Brewed)	E	E	—	—
Tetraethyl Lead	G	L	G	G
Tetrahydrofurane	U	U	U	U
Tetrahydronaphthalene	—	—	—	—
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

KTFC A0903

Key: E — Excellent

G — Good

L — Limited

U — Unsatisfactory



Cautionary Statement

All Products sold and distributed by Kuriyama of America, Inc. are in the nature of commodities and they are sold by published specifications and not for particular purposes, uses or applications. Purchaser shall first determine their suitability for the intended purposes, uses or applications and shall either conduct its own engineering studies or tests, or retain qualified engineers, consultants or testing laboratories and consult with them before determining the proper use, suitability or propriety of the merchandise or Products for the intended purposes, uses or applications.

Kuriyama of America, Inc. ("Seller") does not recommend the Products for any particular purpose, use or application, and the Purchaser or user thereof shall assume full responsibility for the suitability, propriety, use and application of the Products. Purchaser shall follow all instructions contained in Seller's catalogs, brochures, technical bulletins and other documents regarding the Products. The Products, including but not limited to, hose, tubing or couplings, may fail due to the use or conveyance of substances at elevated or lowered temperatures or at excessive pressure, the conveyance of abrasive, injurious, flammable, explosive or damaging substances.

Hose or tubing used in bent configurations will be subjected to increased abrasion. Hose clamps or couplings may loosen after initial installation and all sections of hose and tubing including connections, couplings, clamps, conductivity and bonding should be inspected frequently, regularly and consistently, and should be replaced, adjusted or re-tightened for the avoidance of leakage, for the prevention of injuries or damages, and for general safety purposes. Except as indicated in its Limited Warranty, Seller shall not be liable or responsible for direct or indirect injuries or damages caused by or attributed to the failure or malfunction of any Products sold or distributed by it.

Purchasers or users of the Products should frequently and consistently undertake inspections and protective measures with respect to the use and application of Products, which should include the examination of tube and cover, conditions of the hose or tubing, and the identification, repair or replacement of sections showing cracking, blistering, separations, internal and external abrasions, leaking or slipped couplings or connections and make proper proof tests.

Limited Warranty

The Products sold or distributed by Seller are warranted to its customers to be free from defects in material and workmanship at the time of shipment by us, subject to the following provisions. ALL WARRANTY CLAIMS SHALL BE MADE WITHIN SIX (6) MONTHS AFTER SELLER SHIPPED THE PRODUCTS. SELLER'S LIABILITY HEREUNDER IS LIMITED AT SELLER'S EXCLUSIVE DISCRETION, TO 1) THE PURCHASE PRICE OF ANY PRODUCTS PROVING DEFECTIVE; 2) REPAIR OF ANY DEFECTIVE PRODUCT OR PART THEREOF; OR 3) REPLACEMENT OF ANY DEFECTIVE PRODUCT OR PART UPON ITS AUTHORIZED RETURN TO SELLER.

THIS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE CREATED UNDER APPLICABLE LAW INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL SELLER OR THE MANUFACTURER OF THE PRODUCT BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOSS OF PROFITS, WHETHER OR NOT CAUSED BY OR RESULTING FROM THE NEGLIGENCE OF SELLER AND/OR THE MANUFACTURER OF THE PRODUCT, UNLESS SPECIFICALLY PROVIDED HEREIN. IN ADDITION, THIS WARRANTY SHALL NOT APPLY TO ANY PRODUCTS OR PORTIONS THEREOF WHICH HAVE BEEN SUBJECTED TO ABUSE, MISUSE, IMPROPER INSTALLATION, MAINTENANCE, OR OPERATION, ELECTRICAL FAILURE OR ABNORMAL CONDITIONS, AND TO PRODUCTS WHICH HAVE BEEN TAMPERED WITH, ALTERED, MODIFIED, REPAIRED, REWORKED BY ANYONE NOT APPROVED BY SELLER, OR USED IN ANY MANNER INCONSISTENT WITH THE PROVISIONS OF THE "CAUTIONARY STATEMENT" ABOVE OR ANY INSTRUCTIONS OR SPECIFICATIONS PROVIDED WITH OR FOR THE PRODUCT.

09/2005



Kuriyama of America, Inc.
360 E. State Parkway
Schaumburg, IL 60173-5335
Phone: (847) 755-0360
Toll-free FAX: (800) 800-0320
International FAX: (847) 885-0996
Web Site: <http://www.kuriyama.com>
E-Mail: sales@kuriyama.com

SALES OFFICES — CONTACT THE LOCATION BELOW WHICH SERVES YOUR AREA

SOUTHWEST WAREHOUSE
KURIYAMA OF AMERICA, INC.
HOUSTON
8919 MARKET ST.
HOUSTON, TX 77029
Phone: (713) 674-8212
Toll Free Phone: (800) 501-6808
FAX: (713) 674-5214
Toll Free FAX: (800) 800-5214

WESTERN WAREHOUSE
KURIYAMA OF AMERICA, INC.
SANTA FE SPRINGS
10749 SHOEMAKER AVENUE
SANTA FE SPRINGS, CA 90670-4039
Phone: (562) 941-4507
FAX: (562) 941-8940
Toll-Free FAX: (800) 326-8940

SOUTHEAST WAREHOUSE
FORTNEY SALES CO., INC.
1580 BIG SHANTY DR NW
KENNESAW, GA 30144-7040
Phone: (770) 427-6528
FAX: (770) 423-9249
Toll Free FAX: (800) 423-9249

EASTERN WAREHOUSE
EASTERN RUBBER & PLASTICS CO., INC.
RT. 537 – PLUMSTED INDUSTRIAL PARK
NEW EGYPT, NJ 08533-0248
Phone: (609) 758-0100
FAX: (609) 758-0102
Toll Free FAX: (800) 445-7138

IN CANADA:
KURI TEC CORPORATION
BOX 21052, L P M P O
140 ROY BOULEVARD
BRANTFORD, ONT, CANADA N3R 7W9
Phone: (519) 753-6717
FAX: (519) 753-7737
Web Site: <http://www.kuritec.com>
E-Mail: sales@kuritec.com

IN MEXICO:
KURIYAMA DE MEXICO, S. DE R.L. DE C.V.
CARRETERA MIGUEL ALEMÁN KM. 14.8
PARQUE INDUSTRIAL HASNA
APODACA, N.L., 66600, MEXICO
Phone: (81) 1086-1870 O 71
FAX: (81) 1086-1869
Internet: www.kuriyama.com
Correo Electronico: ventas@kuriyama.com

Visit us
www.kuriyama.com
on the Web!

