



Kanaflex manufactures PVC, rubber, polyurethane and polypropylene hose and ducting of the highest quality utilizing advanced technology, equipment, and proprietary blends of raw materials. Each product series has been designed and tested to ensure outstanding service life and dependability in applications that conform to the required specifications. Since 1952, Kanaflex's revolutionary production methods have taken the best properties of plastics and rubber, producing products capable of outperforming conventional plastic and rubber hose. Today, Kanaflex technology leads the industry and we continue to search for new raw materials and manufacturing processes to meet the most demanding current and future applications.

Kanaflex Corporation operates manufacturing facilities in Vernon Hills, Illinois, and Compton, California, and a distribution center in Houston, Texas. The company is a wholly owned subsidiary of Kanaflex Corporation Japan. Kanaflex hose is sold through a network of distributors throughout the United States and Canada.

Kanaflex hose is flexible, easy-to-handle, lightweight, and inherently durable. Our hoses continue to replace more expensive and harder-to-handle hoses for many of the industry's toughest jobs.

#### Flexible

Kanaflex hose lends itself to working in tight spaces.

#### Lightweight

Kanaflex is up to 50% lighter than conventional rubber hose, making it easier to handle and less expensive to transport.

#### Economical

Initial cost is low, and Kanaflex hoses are virtually maintenance-free which saves money in the long run.

#### Smooth bore

A smooth bore and flexible bending characteristics make for the fastest and most efficient transfer of fluids.

#### Premium rubber materials

Our hose properties are ideally suited for the following applications and conditions:

- Oil
- Chemicals
- Gasoline
- Abrasives
- Extreme temperature variations
- Extreme weather conditions

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

#### **100 CL / 101 PS (pipe size)**\* General water suction and discharge hose

Temp. Range: -13°F to 140°F

Applications: 100 CL: General water suction hose

101 PS: Methane gas recovery at landfills; connection between rigid pipes of the same size; repair of broken rigid lines.

**Construction:** Flexible PVC, rigid PVC helix, smooth bore, corrugated 0.D.

100 CL

100 GL	Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
	Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
	1	1.25	0.30	1.5	50	29.8	0.18	100
	<b>1</b> <sup>1</sup> / <sub>4</sub>	1.52	0.33	2.0	45	29.8	0.22	100
	1 <sup>1</sup> /2	1.81	0.35	2.5	45	29.8	0.35	100
	2	2.36	0.39	3.0	40	29.8	0.50	100
	2 <sup>1</sup> / <sub>2</sub>	2.87	0.56	4.5	35	29.8	0.68	100
	3	3.50	0.59	6.0	35	29.8	1.00	100
	4	4.63	0.65	8.0	30	29.8	1.52	100
	6	6.85	0.87	11.0	30	28.0	3.10	50,100
	8	9.04	0.91	16.0	30	28.0	5.38	25
	10	11.26	1.02	30.0	30	28.0	8.88	20
404 00								
101 PS	2.375	2.76	0.41	3.5	35	29.8	0.64	100
	3.500	4.02	0.63	7.0	30	29.8	1.10	100
	4.500	5.08	0.67	9.0	30	28.0	1.70	100
								1.40

The Powerlock Clamp PS is available for use with our 101 PS Series in 2", 3" and 4" sizes.

100 CWFLX\*



#### Low temp general water suction and discharge hose

Temp. Range: -22°F to 140°F

Applications: General-duty low temperature water suction and discharge hose with increased flexibility

**Construction:** Cold weather PVC, rigid PVC helix, smooth bore, corrugated 0.D.

**Features:** Lightweight with increased flexibility even at sub-zero temperatures. Clear sidewall permits visual check of material flow. External helix provides for easy drag.

Accessories: Banding coil, Powerlock clamp

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
3	3.50	0.59	5.0	25	29.0	1.00	100
4	4.55	0.65	6.5	20	28.0	1.52	100
5	5.73	0.85	9.5	20	28.0	2.50	100
6	6.73	0.85	10.6	20	28.0	3.10	50,100

\* Over flexing or repeated flexing of hose within 18" of fitting is a common cause of hose failure. Installing a 12" - 14" section of our Banding Coil at the end of the hose should be considered.





#### **110 CL / 110 GR** *Heavy-duty water suction and discharge hose*

Temp. Range: -13°F to 140°FApplications: Heavy-duty water suction hoseConstruction: Flexible PVC, rigid PVC helix, smooth bore, smooth O.D.



Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
3/4	0.95	0.22	1.9	86	29.8	0.16	100
1	1.25	0.22	1.9	86	29.8	0.26	100
1 <sup>1</sup> /4	1.52	0.26	2.7	79	29.8	0.37	100
1 <sup>1</sup> /2	1.81	0.30	2.8	72	29.8	0.44	100
2	2.38	0.33	3.9	72	29.8	0.74	100
2 <sup>1</sup> /2	2.92	0.37	5.0	72	29.8	1.01	100
3	3.41	0.37	7.0	62	29.8	1.21	100
4	4.50	0.43	9.1	55	29.8	2.01	100
5	5.55	0.45	14.0	33	28.0	2.45	100
6	6.67	0.53	15.0	33	28.0	3.37	50,100
8	8.83	0.70	20.0	28	28.0	5.80	25

#### 112 CL / 112 AG

Economical heavy-duty water suction and discharge hose

Temp. Range: -13°F to 140°F

**Applications:** Economical heavy-duty water suction hose, air seeder hose. **Construction:** Flexible PVC, rigid PVC helix, smooth bore, smooth 0.D.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
<b>1</b> <sup>1</sup> /4	1.47	0.26	3.0	80	29.8	0.29	100
1 <sup>1</sup> /2	1.77	0.30	4.0	70	29.8	0.39	100
2	2.30	0.33	5.0	65	29.8	0.63	100
2 <sup>1</sup> /2	2.84	0.37	6.0	65	29.8	0.87	100
3	3.35	0.37	8.0	55	29.8	1.05	100
4	4.45	0.43	10.0	50	29.8	1.80	100



#### 116 CL

Heavy-duty water suction and discharge hose

Temp. Range: -22°F to 140°F

**Applications:** Heavy-duty water suction and discharge hose with increased flexibility

**Construction:** Flexible PVC, rigid PVC helix, smooth bore, smooth 0.D.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
1	1.25	0.22	1.5	70	29.8	0.25	100
11/4	1.50	0.26	2.0	70	29.8	0.30	100
1 <sup>1</sup> /2	1.78	0.30	2.5	56	29.8	0.38	100
2	2.33	0.33	3.0	50	29.8	0.64	100
2 <sup>1</sup> / <sub>2</sub>	2.90	0.37	4.5	50	29.8	0.90	100
3	3.38	0.37	6.0	50	29.8	1.10	100
4	4.46	0.43	10.0	42	29.8	1.85	100
5	5.55	0.45	12.5	28	28.0	2.47	100
6	6.67	0.53	13.0	28	28.0	3.37	50,100
8	8.83	0.70	20.0	21	28.0	5.80	25

#### **130 Y** *Oil resistant PVC suction and discharge hose*

Temp. Range: -13°F to 140°F

**Applications:** Heavy-duty suction and discharge of light oils and animal fats **Construction:** Flexible oil-resistant PVC, rigid PVC helix, smooth bore, smooth 0.D.

Note: Not intended for handling of gasoline.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
1	1.25	0.22	1.9	86	29.8	0.26	100
<b>1</b> <sup>1</sup> /4	1.52	0.26	2.7	79	29.8	0.37	100
1 <sup>1</sup> /2	1.81	0.30	2.8	72	29.8	0.44	100
2	2.38	0.33	3.9	72	29.8	0.74	100
2 <sup>1</sup> /2	2.92	0.37	5.0	72	29.8	1.01	100
3	3.41	0.37	7.0	62	29.8	1.21	100
4	4.50	0.43	9.1	55	29.8	2.01	100

#### **155 GY**\* *Heavy-duty PVC blower and ducting hose*

Temp. Range: -13°F to 140°F

**Applications:** Heavy-duty PVC blower and ducting hose for collection of grass, leaves, dust, and fumes

Construction: Flexible PVC, rigid PVC helix, smooth bore, corrugated O.D.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Fť
1 <sup>1</sup> /2	1.79	0.35	1.5	20	20.0	0.26	100
2	2.31	0.39	2.5	15	18.0	0.39	100
2 <sup>1</sup> /2	2.85	0.54	3.0	15	15.0	0.44	100
3	3.39	0.56	3.5	15	15.0	0.70	100
4	4.60	0.65	4.5	15	15.0	1.43	100
5	5.52	0.87	8.8	12	12.0	1.87	100
6	6.52	0.87	9.0	11	10.0	2.32	100
8	8.85	0.91	14.0	10	9.0	4.03	100

### **PVC** Hose



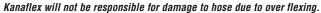
#### **200 SFG**\* Food grade suction and discharge hose

#### Temp. Range: -13°F to 140°F

**Applications:** Food grade suction hose for use in canning, dairy and bottling **Construction:** Produced entirely of compounds in compliance with FDA and 3-A nontoxic specifications, flexible PVC, rigid PVC helix, smooth bore, corrugated 0.D.

Inside	Outside	Pitch	Minimum	Working	Vacuum	Weight	Standard
Dia.	Dia.		Bend Radius	Pressure	Rating		Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
1	1.25	0.30	1.5	50	29.8	0.18	100
<b>1</b> <sup>1</sup> / <sub>4</sub>	1.52	0.33	2.0	45	29.8	0.22	100
1 <sup>1</sup> /2	1.81	0.35	2.5	45	29.8	0.35	100
2	2.36	0.39	4.0	40	29.8	0.50	100
2 <sup>1</sup> /2	2.87	0.56	4.5	35	29.8	0.68	100
3	3.50	0.59	6.0	35	29.8	1.00	100
4	4.63	0.65	8.0	30	29.8	1.52	100
Metric							
45 mm	2.13	0.39	4.0	37	29.8	0.45	100
57 mm	2.60	0.43	4.5	35	29.8	0.60	100

\* Over flexing or repeated flexing of hose within 18" of fitting is a common cause of hose failure. Installing a 12" - 14" section of our Banding Coil at the end of the hose should be considered.







#### ST 200 SFG\*

Medium-duty, lightweight, hose for pneumatic conveying

#### Temp. Range: -13°F to 140°F

**Applications:** Pneumatic conveying of lightweight solids such as powders and plastic pellets. Copper static wire is located within the hose tube. Not to be used for conveying edible food products.

Construction: Flexible PVC, rigid PVC helix, multi-strand copper static grounding wire, smooth bore, corrugated O.D.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
<b>1</b> <sup>1</sup> / <sub>2</sub>	1.81	0.35	2.5	45	29.8	0.44	50,100
2	2.36	0.39	4.0	40	29.8	0.58	50,100
2 <sup>1</sup> / <sub>2</sub>	2.87	0.56	4.5	35	29.8	0.75	50,100
3	3.50	0.59	6.0	35	29.8	1.07	50,100
4	4.63	0.65	8.0	30	29.8	1.52	50,100

Metric							
45 mm	2.17	0.39	4.0	37	29.8	0.53	50,100
57 mm	2.64	0.43	4.5	35	29.8	0.67	50,100

#### 210 HFG / 212 MK

#### Heavy-duty food grade suction and discharge hose

#### Temp. Range: -13°F to 140°F

Applications: 210 HFG: Heavy-duty food grade suction hose for bottling and dairy industries

> 212 MK: More flexible; designed for milk hauling (tank truck) and pick-up

Construction: Produced entirely of compounds in compliance with FDA and 3-A nontoxic specifications, flexible PVC, rigid PVC helix, smooth bore, smooth 0.D.

#### 210 HFG

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
3/4	.96	0.22	1.9	86	29.8	0.16	100
1	1.25	0.22	1.9	86	29.8	0.26	100
<b>1</b> <sup>1</sup> / <sub>4</sub>	1.54	0.26	2.7	79	29.8	0.37	100
1 <sup>1</sup> /2	1.82	0.30	2.8	72	29.8	0.44	100
2	2.39	0.33	3.9	72	29.8	0.74	100
2 <sup>1</sup> /2	2.93	0.37	5.0	72	29.8	1.01	100
3	3.43	0.37	7.0	62	29.8	1.21	100
4	4.53	0.43	9.1	55	29.8	2.01	100

#### 212 MK

1 <sup>1</sup> /2	1.82	0.30	2.0	66	29.8	0.44	100
2	2.39	0.33	2.5	66	29.8	0.74	100
2 <sup>1</sup> /2	2.93	0.37	4.7	66	29.8	1.01	100
3	3.43	0.37	6.1	62	29.8	1.21	100

\* Over flexing or repeated flexing of hose within 18" of fitting is a common cause of hose failure. Installing a 12" - 14" section of our Banding Coil at the end of the hose should be considered.



#### Kanaline CW\* (NEW HOSE

Heavy-duty water suction and discharge hose for applications requiring combined vacuum, higher working pressures, and

Temp. Range: -22°F to 140°F

increased flexibility

**Applications:** Heavy-duty suction and discharge with increased flexibility for use in colder environment applications, where more flexibility is desired, and liquid fertilizer

**Construction:** Flexible cold weather PVC, rigid PVC helix, synthetic braiding, smooth bore, corrugated 0.D.

**Features:** Lightweight and flexible. External helix provides for easy drag. Rated for both suction and discharge. Clear sidewall permits visual check of material flow.

Note: Banding coil must be used for all sizes.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
2	2.60	0.43	3.0	70	28.0	0.70	60,100
3	3.70	0.59	5.0	70	28.0	1.13	60,100
4	4.78	0.63	7.0	60	28.0	1.74	60,100
6	7.77	0.98	9.0	50	28.0	3.88	60,100

### **PVC** Hose



## PVC Hose

#### Kanaline FW\*

Heavy-duty food grade suction and discharge hose

#### Temp. Range: -13°F to 140°F

**Applications:** Heavy-duty food grade suction and discharge hose for bottling, wine making, canning, dairy, brewing and liquid foods

**Construction:** Produced entirely of compounds in compliance with FDA and 3-A nontoxic specifications, flexible PVC, rigid PVC helix, synthetic braiding, smooth bore, corrugated 0.D.

**Features:** Lightweight and flexible. External helix provides for easy drag. Rated for both suction and discharge. Clear sidewall permits visual check of material flow.

Note: Banding coil must be used for all sizes.

Inside Dia. Inches	Outside Dia. Inches	Pitch Inches	Minimum Bend Radius 72°F, Inches	Working Pressure 72°F, P.S.I.	<b>Vacuum</b> <b>Rating</b> 72°F, In Hg	<b>Weight</b> Lbs/Ft	Standard Length Ft
1 <sup>1</sup> /2	2.03	0.39	2.5	110	28.0	0.56	60,100
2	2.60	0.41	4.0	100	28.0	0.75	60,100
3	3.70	0.59	6.3	100	28.0	1.20	60,100
4	4.78	0.65	7.1	75	28.0	1.74	60,100
5	6.04	0.87	9.2	70	28.0	2.90	60,100
6	7.17	0.93	10.2	70	28.0	3.88	60,100

\* Over flexing or repeated flexing of hose within 18" of fitting is a common cause of hose failure. Installing a 12" - 14" section of our Banding Coil at the end of the hose should be considered.



**Kanaline OR\*** *Oil resistant PVC heavy-duty suction and discharge hose* 

#### Temp. Range: -13°F to 140°F

**Applications:** Heavy-duty suction and discharge of light oils and animal fats **Construction:** Flexible oil-resistant PVC, rigid PVC helix, synthetic braiding, smooth bore, corrugated O.D.

**Features:** Lightweight and flexible. External helix provides for easy drag. Rated for both suction and discharge.

Note: Banding coil must be used for all sizes.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
2	2.60	0.43	4.0	80	28.0	0.77	60,100
3	3.74	0.59	6.3	80	28.0	1.48	60,100
4	4.84	0.65	7.1	60	28.0	2.14	60,100

# PVC Hose



#### Kanaline SR\*

Water suction and discharge hose for heavy-duty applications requiring combined vacuum and higher working pressures

Temp. Range: -13°F to 140°F

**Applications:** Heavy duty suction and discharge hose for use in fish suction and rental/construction pumping

**Construction:** Flexible PVC, rigid PVC helix, synthetic braiding, smooth bore, corrugated 0.D.

**Features:** Lightweight and flexible. External helix provides for easy drag. Rated for both suction and discharge. Clear sidewall permits visual check of material flow.

Note: Banding coil must be used for 1-1/2", 2", 3", 4", 5" and 6" sizes.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
1 <sup>1</sup> /2	2.03	0.37	2.5	110	28.0	0.47	60,100
2	2.60	0.43	4.0	100	28.0	0.70	60,100
3	3.70	0.59	6.3	100	28.0	1.13	60,100
4	4.78	0.65	7.1	75	28.0	1.74	60,100
5	6.04	0.87	9.2	70	28.0	2.90	60,100
6	7.17	0.93	10.2	70	28.0	3.88	60,100
8	9.34	1.07	15.7	60	28.0	5.54	15,20,25,40
10	11.63	1.22	24.8	40	28.0	8.68	15,20,25,40
12	13.66	1.34	45.0	28	25.0	10.30	20,40

\* Over flexing or repeated flexing of hose within 18" of fitting is a common cause of hose failure. Installing a 12" - 14" section of our Banding Coil at the end of the hose should be considered.

#### ST 120 LT\*

Tank truck drop hose with static grounding wire; 50% lighter than conventional rubber hose

#### Temp. Range: -30°F to 140°F

**Applications:** Gasoline tank truck gravity drop hose for fluids such as naphtha, kerosene, light and heavy oil, diesel and up to 100% ethanol

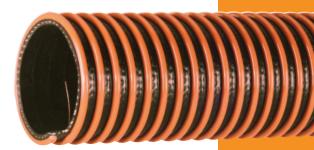
**Construction:** Nitrile rubber static dissipating tube, rigid PVC helix, synthetic braiding, smooth bore, static grounding wire, corrugated 0.D.

**Features:** Lightweight and flexible. External helix provides for easy drag. Rated for up to 40% aromatic content.

Note: Banding sleeves or banding coils must be used for all sizes.

Static wire must be properly imbedded during fitting installation and tested to assure proper static grounding of hose to a grounded system.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
2	2.68	0.39	5.0	65	29.8	1.13	60,100
3	3.68	0.59	6.0	65	29.8	1.37	60,100
4	4.82	0.65	8.0	65	29.8	2.16	60,100



# Rubber Hose

#### Banding Sleeve

Plastic banding sleeve for use with ST 120 LT hose

Temp. Range: -40°F to 140°F

**Applications:** 9" sections are recommended at each end of the ST 120 LT tank truck drop hose.

**Construction:** PVC construction, corrugated inside, smooth O.D. **Available Sizes:** 3" and 4"

#### Banding Coil (black or white) Black or white PVC banding coil available in 1-1/2", 2", 3",

4", 5", and 6" sizes

**Applications:** PVC Banding Coil designed to fit and fill the area between the helix providing a smooth service for installation of tension bands. Use 4" of banding coil to cover 9" length of the hose. Also, when used behind the coupling, the coil adds rigidity to the hose, preventing over flexing at the coupling. Coil can be installed on individual hoses as noted.

\* Over flexing or repeated flexing of hose within 18" of fitting is a common cause of hose failure. Installing a 12" - 14" section of our Banding Coil at the end of the hose should be considered.





Temp. Range: -40°F to 140°F

Applications: Gasoline vapor recovery only

**Construction:** Nitrile rubber, rigid PVC helix, smooth bore, corrugated 0.D., static grounding wire

**Note:** Static wire must be properly imbedded during fitting installation and tested to assure proper static grounding of hose to a grounded system.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
2	2.36	0.39	3.0	20	29.8	0.61	60,100
3	3.46	0.59	3.5	10	29.8	1.00	60,100
4	4.57	0.65	5.0	10	29.8	1.70	60,100

#### 180 AR\*

#### Heavy-duty abrasion resistant suction and discharge hose

#### Temp. Range: -40°F to 140°F

**Applications:** Heavy-duty abrasion resistant suction hose for vacuum trucks or handling abrasives such as crushed rock, sand, pea gravel, cement powder, dry fertilizer, iron ore and grains

**Construction:** SBR rubber blended with static carbon black, rigid PVC helix, smooth bore, corrugated 0.D.

**Features:** Lightweight and flexible. Extremely abrasion resistant. Static dissipating with no grounding wire. Consult factory for specific applications.

**Note:** This hose was not designed for bulk handling such as unloading of rail cars.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
<b>1</b> <sup>1</sup> /4	1.57	0.33	2.0	45	29.8	0.31	100
1 <sup>1</sup> /2	1.82	0.35	2.0	45	29.8	0.37	100
2	2.35	0.39	2.5	40	29.8	0.50	100
2 <sup>1</sup> /2	2.95	0.56	2.5	35	29.8	0.88	100
3	3.50	0.59	3.0	35	29.8	1.10	100
3 <sup>1</sup> /2	4.11	0.64	4.0	30	29.8	1.35	100
4	4.63	0.65	4.5	30	29.8	1.77	50,100
5	5.76	0.87	5.0	30	28.0	2.47	50,100
6	6.73	0.87	9.2	30	28.0	3.08	50,100
7	7.83	0.87	14.0	30	27.0	4.10	50
8	9.04	0.91	15.0	30	27.0	5.65	50
10	11.18	1.00	30.0	28	25.0	8.88	20
12	13.31	1.18	40.0	25	25.0	10.43	20

\* Over flexing or repeated flexing of hose within 18" of fitting is a common cause of hose failure. Installing a 12" - 14" section of our Banding Coil at the end of the hose should be considered.



#### **180 BL\*** Lightweight abrasion resistant blower and suction hose

#### Temp. Range: -40°F to 140°F

**Applications:** Designed for suction and light blowing of lightweight abrasives such as rockwool, fiberglass, sawdust, grain, insulation and cement dust **Construction:** SBR rubber blended with static carbon black, rigid PVC helix, smooth bore, corrugated 0.D.

Inside Dia. Inches	Outside Dia. Inches	Pitch Inches	Minimum Bend Radius 72°F, Inches	Working Pressure 72°F, P.S.I.	Vacuum Rating 72°F, In Hg	Weight Lbs/Ft	Standard Length Ft
2 <sup>1</sup> /2	2.91	0.56	2.5	18	25.0	0.71	100
3	3.44	0.59	3.0	13	23.0	0.92	100
4	4.53	0.65	4.0	10	20.0	1.50	50,100
5	5.63	0.87	5.0	8	15.0	1.68	50,100
6	6.67	0.87	9.0	8	15.0	2.40	50,100
7	8.71	0.87	10.0	8	15.0	3.00	50
8	8.98	0.91	12.0	8	15.0	4.40	50



#### Temp. Range: -40°F to 220°F

**Applications:** Heavy-duty suction applications where high temperature and abrasion are factors such as vacuum trucks or the handling of fly ash, crushed rock, sand, pea gravel or cement powder

**Construction:** EPDM rubber, polyethylene helix, metal helical wire, smooth bore, corrugated 0.D.

**Features:** Lightweight and flexible. Integral wire helix can be grounded. External helix provides easy drag. Rated up to 220°F.

Inside Dia. Inches	Outside Dia. Inches	Pitch Inches	Minimum Bend Radius 72°F. Inches	Working Pressure 72°F. P.S.I.	<b>Vacuum</b> <b>Rating</b> 72°F. In Hq	Weight Lbs/Ft	Standard Length Ft
4	4.69	0.65	5.5	30	29.8	1.75	50,100
6	6.83	0.87	9.8	30	28.0	3.46	50,100
8	9.13	0.87	15.0	30	27.0	6.00	50

\* Over flexing or repeated flexing of hose within 18" of fitting is a common cause of hose failure. Installing a 12" - 14" section of our Banding Coil at the end of the hose should be considered.







#### 180 MV\*

Abrasion resistant medium-duty suction and discharge hose

Temp. Range: -40°F to 140°F

**Applications:** Designed for numerous applications such as grain and roof vacuums

**Construction:** SBR rubber with carbon black, rigid PVC helix, smooth bore, corrugated 0.D.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
5	5.75	0.87	5.0	8	18.0	2.00	50,100
6	6.73	0.87	9.0	8	18.0	2.70	50,100



#### 220 RS\* All weather suction and discharge hose

Temp. Range: -40°F to 140°F

**Applications:** Heavy-duty liquid suction hose for use in construction dewatering, liquid waste, cesspool cleaning, septic handling, agricultural applications and marine use

**Construction:** SBR rubber, rigid PVC helix, smooth bore, smooth 0.D.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
1 <sup>1</sup> /2	1.85	0.35	3.0	50	29.8	0.50	100
2	2.40	0.39	4.0	50	29.8	0.74	100
2 <sup>1</sup> /2	2.99	0.56	5.0	50	29.8	1.01	100
3	3.50	0.59	6.0	43	29.8	1.30	100
4	4.57	0.65	9.0	38	29.8	2.01	100
6	6.69	0.87	15.0	23	28.0	3.37	60,100

\* Over flexing or repeated flexing of hose within 18" of fitting is a common cause of hose failure. Installing a 12" - 14" section of our Banding Coil at the end of the hose should be considered.

#### **300 EPDM**\* All weather suction and discharge hose

#### Temp. Range: -40°F to 140°F

**Applications:** Heavy-duty liquid suction hose for use in construction dewatering, liquid waste, cesspool cleaning, septic handling, agricultural applications and marine use.

**Construction:** EPDM rubber, polyethylene helix, smooth bore, corrugated 0.D.

**Features:** Lightweight and flexible. External helix provides for easy drag. Resistant to agricultural chemicals.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
1	1.34	0.30	1.9	50	29.8	0.23	100
1 <sup>1</sup> /4	1.65	0.33	3.2	50	29.8	0.34	100
1 <sup>1</sup> /2	1.84	0.35	3.2	50	29.8	0.40	100
2	2.43	0.39	5.2	50	29.8	0.67	100
2 <sup>1</sup> / <sub>2</sub>	2.99	0.56	5.6	50	29.8	0.92	100
3	3.52	0.59	7.1	43	29.8	1.10	100
4	4.61	0.65	11.0	38	29.8	1.84	100
6	6.81	0.87	20.0	23	28.0	3.07	60,100

#### **390 SD BK\*** All weather suction and discharge hose

#### Temp. Range: -40°F to 140°F

**Applications:** Suction and discharge of liquids in the construction, rental and agricultural industries such as agricultural chemicals, liquid fertilizers and dewatering

**Construction:** EPDM rubber, polyethylene helix, synthetic braiding, smooth bore, corrugated 0.D.

**Features:** Lightweight and flexible. Rated for both suction and discharge. External helix provides for easy drag. Resistant to agricultural chemicals. Durable in construction applications.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
<b>1</b> <sup>1</sup> / <sub>4</sub>	1.75	0.39	3.0	100	29.8	0.45	60,100
1 <sup>1</sup> /2	1.97	0.43	3.0	100	29.8	0.50	60,100
2	2.54	0.47	5.0	100	29.8	0.73	60,100
3	3.64	0.59	7.0	90	29.8	1.25	60,100

\* Over flexing or repeated flexing of hose within 18" of fitting is a common cause of hose failure. Installing a 12" - 14" section of our Banding Coil at the end of the hose should be considered.

Kanaflex will not be responsible for damage to hose due to over flexing.





**Rubber Hose** 

Kanapower AT\* Heavy-duty abrasion resistant suction and discharge hose

Temp. Range: -30°F to 140°F

**Applications:** Abrasion resistant suction and discharge hose designed for demanding applications such as slurry in micro-tunneling applications and directional boring

**Construction:** SBR rubber blended with static dissipating carbon black

Note: 6" size is not a stock item. Consult factory for availability.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
4	5.04	0.65	10.0	140	28.0	2.85	60,100
6	7.26	0.87	16.0	140	28.0	4.50	Not stock item

\* Over flexing or repeated flexing of hose within 18" of fitting is a common cause of hose failure. Installing a 12" - 14" section of our Banding Coil at the end of the hose should be considered.

### **Polyurethane Hose**



Medium-duty polyurethane dry material handling hose

#### Temp. Range: -13°F to 140°F

**Applications:** Dry material pneumatic conveying systems and plastic pellet and powder transfer when static is not a concern. Agricultural applications, such as air seeders, abrasive material vacuum systems, and industrial vac equipment.

**Construction:** Flexible polyurethane lined PVC tube, rigid PVC helix, smooth bore, PVC corrugated 0.D.

**Features:** Lightweight and flexible in sub-zero temperatures. Clear polyurethane lined PVC tube provides abrasion resistance, permits visual check of material flow, prevents material build up, and provides quiet operation. Corrugated PVC 0.D. with raised PVC helix for increased flexibility and easy drag.

Accessories: Banding coil, Powerlock clamp

Inside Dia. Inches	Outside Dia. Inches	Pitch Inches	Minimum Bend Radius 72°F, Inches	Working Pressure 72°F, P.S.I.	Vacuum Rating 72°F, In Hg	Weight Lbs/Ft	Standard Length Ft
2	2.36	0.39	3.0	40	29.8	0.50	100
2 <sup>1</sup> / <sub>2</sub>	2.87	0.53	5.0	35	29.8	0.71	100
3	3.50	0.59	6.0	35	29.8	1.00	100
4	4.63	0.65	8.0	30	29.8	1.52	100
5	5.73	0.87	11.0	30	28.0	2.50	50,100
6	6.85	0.87	12.0	30	28.0	3.10	50,100

#### 150 UDH\*

Polyurethane medium-duty blower and ducting hose

#### Temp. Range: -20°F to 140°F

**Applications:** Medium-duty ducting and blower applications. For use with light to medium weight abrasives, leaf and grass collection, cotton pickers, mulch blowing, dust and sawdust collection.

**Construction:** Flexible clear polyurethane, rigid PVC helix, smooth bore, corrugated 0.D.

**Features:** Lightweight and flexible. External helix provides for easy drag. Abrasion-resistant polyurethane and smooth bore eliminate material build-up.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
2 <sup>1</sup> /2	2.89	0.53	2.5	9	16.0	0.34	50
3	3.46	0.57	3.0	8	15.0	0.48	50
4	4.46	0.59	4.0	7	12.0	0.70	50
5	5.57	0.83	5.0	6	9.0	1.10	50
6	6.56	0.83	6.0	5	7.0	1.30	50
7	7.59	0.85	7.0	4	6.0	1.56	50
8	8.59	0.85	8.0	3	5.0	1.65	50

\* Over flexing or repeated flexing of hose within 18" of fitting is a common cause of hose failure. Installing a 12" - 14" section of our Banding Coil at the end of the hose should be considered.

Kanaflex will not be responsible for damage to hose due to over flexing.

Polyurethane Hose

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### **Polyurethane Hose**

#### ST Kanaline UBU\*

NEW HOSE Heavy-duty polyurethane construction with copper static grounding wire for bulk unloading and pneumatic conveying of wet or dry materials

Temp. Range: -13°F to 140°F

Applications: Transfer of abrasive materials - bulk unloading of railcars and trucks. Fish suction.

**Construction:** Flexible polyurethane tube, rigid PVC helix, synthetic braiding, smooth bore, PVC corrugated O.D.

Features: Lightweight and flexible in sub-zero temperatures. Clear polyurethane tube provides increased abrasion resistance, permits visual check of material flow, prevents material build up and provides quiet operation. Static wire dissipates static charge when connected to a grounded system. External helix provides for easy drag.

**Note:** Banding coil or Powerlock Clamp must be used for all sizes. Static wire must be properly imbedded during fitting installation and tested to assure proper static grounding of hose to a grounded system.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
4	4.78	0.69	7.5	75	28.0	1.94	60,100
5	6.04	1.00	9.5	70	28.0	3.20	60,100
6	7.17	1.00	11.0	70	28.0	4.34	60,100

#### ST 120 UACVR\* NEW HOSE

The ultimate all purpose tank truck and terminal vapor recovery hose with clear static dissipating tube and static grounding wire

#### Temp. Range: -52°F to 140°F

Applications: Tank truck and terminal recovery of gasoline, ethanol, and biodiesel vapors.

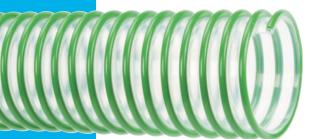
Construction: Lightweight clear static dissipating non-permeable polyurethane with smooth bore, corrugated 0.D., rigid PVC helix, and static grounding wire.

Features: Lightweight and flexible even in sub-zero temperatures. Polyurethane construction allows use with all gasoline blends, biodiesel (up to B100), ethanol (up to E85; currently testing E100), kerosene, diesel, and ASTM fuel oils. Static dissipating tube combined with multi-strand copper static wire provides the ultimate protection against static discharge. Clear tube allows visual confirmation of fuel backup into the hose.

Note: Banding sleeve or banding coil must be used. Static wire must be properly imbedded during fitting installation and tested to assure proper static grounding of hose to a grounded system.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
2	2.38	0.39	2.0	9	16.0	0.44	60,100
3	3.56	0.57	3.0	8	15.0	0.71	60,100
4	4.57	0.65	4.0	7	13.0	0.98	60,100

\* Over flexing or repeated flexing of hose within 18" of fitting is a common cause of hose failure. Installing a 12" - 14" section of our Banding Coil at the end of the hose should be considered.



### **Polyurethane Hose**

#### ST 120 UAPDH\* (NEW HOSE)

The ultimate all purpose tank truck drop hose with clear static dissipating tube and static grounding wire

#### Temp. Range: -52°F to 140°F

**Applications:** All purpose tank truck gravity drop hose for items such as gasoline, ethanol, biodiesel, kerosene and diesel.

**Construction:** Non-permeable polyurethane inner and outer tube with synthetic braiding, smooth bore, corrugated O.D., PVC helix for easy drag, clear static dissipating tube and multi-strand copper static wire providing maximum protection against static discharge.

**Note:** Lightweight and flexible even in sub-zero temperatures. Static dissipating polyurethane inner and outer tube provides maximum resistance to gasoline, biodiesel (up to B100 compliant with ASTM D6751), ethanol (up to E85; currently testing E100), kerosene, diesel and ASTM fuel oils. Clear tube allows visual confirmation of flow.

Banding coil or banding sleeve must be used for all sizes. Static wire must be properly imbedded during fitting installation and tested to assure proper static grounding of hose to a grounded system.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
3	3.72	0.62	6.3	65	29.8	1.40	60,100
4	4.81	0.68	7.0	65	29.8	1.87	60,100

#### ST 200 UFGMH\* NEW HOSE

### *Medium-duty polyurethane food grade dry material handling hose with copper static wire*

Temp. Range: -13°F to 140°F

**Applications:** Food grade material handling hose for dry material bulk unloading and pneumatic conveying of medium weight food grade or non food grade solids such as powders, plastic pellets, and granular materials or on plastic processing equipment and as blast recovery lines. Copper static wire dissipates static charge when connected to a grounded system.

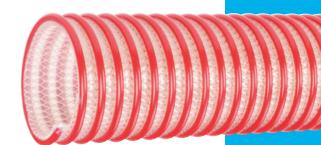
**Construction:** Produced entirely of compounds in compliance with FDA and 3-A nontoxic specifications, flexible polyurethane lined tube, flexible PVC exterior tube, rigid PVC helix, multi-strand copper static grounding wire, smooth bore, corrugated 0.D.

**Features:** Lightweight and flexible in sub-zero temperatures. Clear polyurethane lined tube provides abrasion resistance, permits visual check of material flow, prevents material build up and provides quiet operation. Static wire dissipates static charge when connected to a grounded system.

**Note:** Banding sleeve or banding coil must be used. Static wire must be properly imbedded during fitting installation and tested to assure proper static grounding of hose to a grounded system.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
4	4.55	0.65	7.0	30	29.8	1.75	50,100

\* Over flexing or repeated flexing of hose within 18" of fitting is a common cause of hose failure. Installing a 12" - 14" section of our Banding Coil at the end of the hose should be considered.





### **Duct Hose**

#### 150 CL

Lightweight PVC blower and ducting hose

Temp. Range: -13°F to 140°F

**Applications:** Lightweight general ducting for ventilation and grass clippings, leaves, dust and fumes

**Construction:** Flexible PVC, rigid PVC helix, smooth bore, corrugated 0.D.

Inside Dia. Inches	Outside Dia. Inches	Pitch Inches	Minimum Bend Radius 72°F, Inches	Working Pressure 72°F, P.S.I.	Vacuum Rating 72°F, In Hg	Weight Lbs/Ft	Standard Length Ft
2 <sup>1</sup> /2	2.81	0.55	2.5	6		0.37	50,100
3	3.37	0.59	3.0	6		0.54	50,100
4	4.41	0.61	4.0	5		0.71	50,100
5	5.55	0.80	5.0	3		1.00	50,100
6	6.51	0.80	6.0	3		1.29	50,100
7	7.54	0.85	7.0	2		1.38	50,100
8	8.55	0.85	8.0	2		1.71	50



#### 620 WD

#### General ducting and blower hose with metal wire helix

#### Temp. Range: -40°F to 220°F

**Applications:** General ducting and blower applications. For use with light-weight abrasives such as sawdust, grass clippings, street refuse and cotton pickers.

**Construction:** EPDM rubber, metal wire helix, smooth bore, slightly corrugated 0.D.

**Features:** Rated to 220°F. Abrasion resistant yet very flexible. 100% rubber sidewall (no fabric).

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
2	2.36	0.43	2.0	9	12.0	0.40	50
2 <sup>1</sup> /2	3.00	0.58	3.0	12	9.0	0.44	50
3	3.37	0.60	3.0	12	8.0	0.55	50
4	4.39	0.65	4.0	9	6.0	0.73	50
5	5.43	0.88	5.0	7	5.0	0.84	50
6	6.36	0.87	6.0	6	4.0	1.04	50
7	7.32	0.89	7.0	5	4.0	1.17	50
8	8.35	0.92	8.0	4	4.0	1.38	50
10	10.45	1.02	10.0	3	4.0	2.40	50
12	12.40	1.20	12.0	3	4.0	2.50	25

#### 620 WD WS

### General ducting and blower hose with metal wire helix and external wear strip

Temp. Range: -40°F to 220°F

**Applications:** Same as 620 WD, but external wearstrip makes it ideal for "light dragging" applications

**Construction:** EPDM rubber, metal wire helix, wearstrip, smooth bore, corrugated 0.D.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
2 <sup>1</sup> /2	3.11	0.58	3.0	12	9.0	0.48	50
3	3.48	0.60	3.0	12	8.0	0.61	50
4	4.57	0.65	4.0	9	6.0	0.85	50
5	5.61	0.88	5.0	7	5.0	0.90	50
6	6.54	0.87	6.0	6	4.0	1.17	50
7	7.48	0.89	7.0	5	4.0	1.27	50
8	8.54	0.92	8.0	4	4.0	1.50	50
10	10.69	1.02	10.0	3	4.0	2.67	50
12	12.60	1.20	12.0	3	4.0	2.80	25

### **Duct Hose**



# Duct Hose

#### **630 ED** *Medium-duty blower and ducting hose*

#### Temp. Range: -40°F to 158°F

**Applications:** Medium-duty blower and ducting applications such as hay bailing, street refuse, grain dust, cotton pickers, wood chips, straw blowing, leaf and grass collection

**Construction:** EPDM rubber, polypropylene helix, smooth bore, corrugated 0.D.

**Features:** Thicker sidewall for more abrasion resistance. External helix acts as a scuff guard. 100% rubber sidewall (no fabric).

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
2	2.36	0.39	3.5			0.31	50
2 <sup>1</sup> /2	2.89	0.56	3.5	—		0.38	50
3	3.43	0.59	4.0			0.49	50
4	4.53	0.67	4.0			0.70	50
6	6.56	0.83	6.0			1.05	50
8	8.66	0.87	8.0	—		1.46	50



### **Duct Hose**

#### 660 YD

Heavy-duty duct hose with "safety yellow" helix for high visibility

#### Temp. Range: -40°F to 158°F

**Applications:** Heavy-duty ducting applications such as duct cleaning, commercial grass and leaf collection, cement dust recovery for floor finishing, blast cabinet dust collection systems, and grain auger downspouts

**Construction:** EPDM rubber, polypropylene helix, smooth bore, corrugated 0.D.

**Features:** Smooth bore for higher laminar flow. Extra heavy-duty "safety yellow" helix for high visibility and superior external abrasion resistance for "dragging" applications. 100% rubber sidewall (no fabric).

Inside Dia. Inches	Outside Dia. Inches	Pitch Inches	Minimum Bend Radius 72°F, Inches	Working Pressure 72°F, P.S.I.	<b>Vacuum</b> <b>Rating</b> 72°F, In Hg	<b>Weight</b> Lbs/Ft	Standard Length Ft
4	4.57	0.67	4.0	9	6.0	0.79	50
5	5.53	0.87	5.0	7	5.0	0.83	50
6	6.57	0.83	6.0	6	4.0	1.26	50
8	8.72	0.87	8.0	4	4.0	1.92	50
10	10.83	1.06	10.0	4	4.0	2.38	25
12	12.73	1.18	12.0	3	3.0	2.65	25

#### Kanaduct

Duct hose with interlock construction which allows inside diameter (I.D.) to be changed by twisting hose

Temp. Range: -13°F to 180°F

Applications: General ducting and blower hose used for spot coolers, clean room venting, fume/dust removal, elbows for rigid pipe

 $\label{eq:construction:} \textbf{Construction:} \ \textbf{Interlocked polypropylene}$ 

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
2 <sup>1</sup> /2	2.80		6.0		_	0.35	20
3	3.23	—	7.0	—	—	0.36	20
4	4.20	—	11.0		—	0.52	20
5	5.20	—	14.0	—	—	0.76	20
6	6.16	—	15.0		—	0.79	20
8	8.06	—	20.0	—	—	1.07	20
10	10.21	—	27.0		—	1.52	10
12	12.07	—	32.0		—	1.68	10

### Miscellaneous

#### Spa Cream Flexible PVC spa hose

Temp. Range: -13°F to 158°F

Applications: Water lines, air lines, pump lines

Construction: Flexible PVC, rigid PVC helix, smooth bore, smooth O.D.

**Note:** For use with PVC solvent weld fittings only. Inside diameter is nominal. Tolerance on outside diameter is + .020, - .005

See usage/storage suggestions and warranty information before use.

Inside Dia.	Outside Dia.	Pitch	Minimum Bend Radius	Working Pressure	Vacuum Rating	Weight	Standard Length
Inches	Inches	Inches	72°F, Inches	72°F, P.S.I.	72°F, In Hg	Lbs/Ft	Ft
1/2	0.840	0.22	3.0	100	29.8	0.16	50,100
3/4	1.050	0.22	3.0	100	29.8	0.23	50,100
1	1.315	0.28	3.0	100	29.8	0.32	50,100
<b>1</b> <sup>1</sup> /4	1.660	0.30	4.0	80	29.8	0.37	50,100
<b>1</b> <sup>1</sup> / <sub>2</sub>	1.900	0.30	4.0	65	29.8	0.50	50,100
2	2 375	0.34	5.0	60	29.8	0.65	50 100

**Note:** Burying the Spa Cream hose voids our hose warranty. Kanaflex will not be liable in any way for special, incidental, or consequential damages, or loss of revenue, which may result if the hose has been buried.

#### **Duct Clamp**

Steel, worm gear type clamp designed specifically for use with our duct hose. Easily installed with only a screw driver. Available in 2-1/2", 3", 4", 5", 6", 7", 8", 10" and 12" sizes.



#### **Powerlock Clamp / Powerlock Clamp PS**

The Powerlock clamp is a steel, double bolt clamp designed specifically for use with our corrugated hose such as Series 100, 180, 200 and KANALINE. Available in 2", 2-1/2", 3", 4", 5", 6", 8", 10" and 12" sizes.

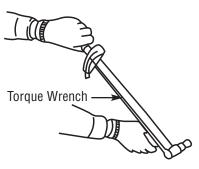
The Powerlock clamp PS is available for use with our 101 PS Series in 2", 3" and 4" sizes.

#### Guideline for Tightening Kanaflex Powerlock Clamps

Please use the table below to determine the correct torque recommended when tightening down our Powerlock clamps.

Size (in)	2	<b>2</b> <sup>1</sup> /2	3	4	5	6	8	10	12
Torque (lbs-ft)	7.2	7.2	9.4	14.5	14.5	16.6	16.6	18.1	18.1





### **Chemical Resistance**

A — Satisfactory B — Suggest Testing C — Unsatisfactory T — Currently Testing

Accineticly Action of the second of t	Chemical Name	Concentration	All PVC Hoses Except 130 Y and Kanaline OR	130 Y Kanaline OR	ST 120 VP, ST 120 LT	KP-AT, 180 AR, 180 BL, 220 RS	180 HR,390 SD, 620 WD, 630 ED, 660 YD	300 EPDM GR	ST120 UAPDH, 150 UDH, ST Kanaline UBU
Actic add10%AACCAANActic add50%BBCCCBBActic add50%CCCCCCCCActic add00%CCCCCCCCAltersAreaAAAAAAAltersMarsAAACCCAAAltersAltersCAAACCCAAACCCCAA </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>									-
Acent and  DNA  B  C  C  C  B  C <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></th<>									-
Actic and  10%  C <thc< th="">  C  C  <thc< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>В</td></thc<></thc<>									В
Aceta any of the set									-
Actors  No.  C  C  C  C  C  B  C  C  A A  A  A </td <td></td> <td>100%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>		100%							-
Along	-								-
Annone of controlBBCCAAAASTM informe fuel ACAAACCCASTM informe fuel BCBACCCASTM informe fuel BCBACCCASTM informe fuel CCCAACCCASTM informe fuel CCCAACCCASTM informe fuel CCCAAACCASTM informe fuel CCCCCCAA <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>									-
Animal of Larar all  C  A  A  C  C  C		watar)							-
ASTI dreference fuel A  C  C  C  C  C  C    ASTM reference fuel C  C  C  C  A  C  C  C     ASTM reference fuel C  C  C  A  A  C  C  C     ASTM at 201  C  A  A  A  C  C  C     ASTM at 201  C  A  A  A  C  C  C     ASTM at 201  C  A  A  A  C  C  C       A <td></td> <td>( water)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td>		( water)							_
ASTIM determed bulk B  C  C  C  C  C  C  C  C  A    ASTIM Afformation Bulk C  C  A  A  C  C  C     ASTIM Afformation Bulk C  C  A  A  A  C  C  C     ASTIM Afformation Bulk C  C  A  A  A  C  C  C     Berrine Bunchin  C  C  B  C  C  C  B  B     Berrine Bunchin  C  C  C  B  B  C     A  A  A  A  A  A  A  A  A   A  A   A  A  A    A									_
ASTM at noi  C  C  A  C  C  C									-
ASTM 47 old  C  A  A  C  C									-
ASTU #2 oil  C  A  A  C  C  C									-
ASTM # 3 oil  C  A  A  A  C  C  C									-
Benzne (Benzi)  C  C  C  C  C  C  C  C  B    Banzy lacibil  C  C  C  C  B  B  B  B    Banzy lacibil  C  C  C  C  B  B  B  B    Biodissi, B20  -  -  -  -  -  -  A    Biodissi, B20  -  -  -  -  -  A  A    Biodissi, B20  -  -  -  -  -  A  A    Biodissi, B20  -  -  A  A  C  C  C  C  -  A    Bindre di  C  C  C  C  C  C  C  -  -  A  A  A  A  A  A  -  -  -  A  -  -  -  -  -  -  -  -  -  -  -  -									-
Benzin  C  C  C  B  C  C  B    Biodses, 820  -  -  -  -  -  -  -  A    Biodses, 820  -  -  -  -  -  -  -  A    Biodses, 820  -  -  -  -  -  -  A    Brake Field  -  -  -  -  -  -  A    Brownine  C  C  C  C  C  C  -  A    Burker 01  C  -  -  A  C  C  C  C  C  C  C  C  C  C  C  C </td <td>Beer</td> <td></td> <td>A</td> <td>A</td> <td>А</td> <td>A</td> <td>A</td> <td>A</td> <td>-</td>	Beer		A	A	А	A	A	A	-
Bency alcohol  C  C  C  C  B  B  -    Biofessel, B100  -  -  -  -  -  -  A    Biofessel, B100  -  -  -  -  -  -  A    Biofessel, B100  C  C  C  C  C  -  A    Biofessel, B100  C  C  C  C  C  -  A    Biofessel, B20  C  C  C  C  C  C  -  A    Biofessel, B100  A  A  A  A  A  A  -  -  -  A  C  C  C  C  C  -  -  A  A  A  A  A  A  A  -  -  -  -  -  -  -  A  C  C  C  C  C  C  C  C  C  C  C  C  C  C	Benzene (Benzol)		C	С	С	С	С	С	-
Biodissi, 120  -  -  -  -  -  -  -  A    Brake Ful (HD.)  -  -  -  -  -  -  A    Brake Ful (HD.)  -  -  -  -  -  -  A    Burker oil  C  C  C  C  C  C  -  A    Burker oil  A  A  A  A  A  A  A  -  -  A    Calcum hydroxide  A  A  A  A  A  A  A  -  -  -  -  A  -  -  -  A  -  -  -  A  A  A  A  A  A  A  A  A  A  A  A  A  -  -  -  -  A  -  -  A  -  -  -  -  -  -  -  -  -  -  -  -	Benzine		C	С	В	С	С	С	В
Biddesol, B100       A    Brach Fuel (HD.)  C  C  C  C  C   A    Bronnin  C  C  C  C  C  C   A    Bronnin  C  C   A  C  C  C   A    Butae    A  A  A  A  A   A    Calcium choride  A  A  A  A  A  A  A    A    Calcium choride  C  C  C  C  C  C  C     A    A    A   A    A    A    A    A     A			C	С	С	C	В	В	-
Brake Fuel (HD.)  -  -  -  -  -  -  -  A    Bunker all  C  C  C  C  C  C  -  -  A    Bunker all  C  -  -  A  C  C  C  -  -  A    Calcium hydroxide  A  A  A  A  A  A  A  -  -  -  A    Carbon fiscultide  C  C  C  C  C  C  C  -  -  -  -  -  A			-	-	-	-	-	-	A
Brownin  C </td <td></td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td></td>			-	-	-	-	-	-	
Burker oil  C   A  C  C  C     Calcium hydroide  A  A  A  A  A  A  A    Calcium hydroide  A  A  A  A  A  A  A    Carbon terrachieride  C									A
Butane   A    A    Calcium Obrode  A  A  A  A  A  A  A    Calcium Dydroxide  A  A  A  A  A  A  A    Carbon disulfide  C	Bromine			С	С				-
Calcum hydroxide  A				-		С	С	C	-
Calcum discution  A  C				-					A
Carbon disulfide  C									-
Carbonic derachioride  C	-								-
									-
Chlorine gas (ivy)  C					-		-		-
Chromic gas (wei)  C									-
Chromic acid  2%  A  C  <									-
Chromic acid  5%  B  C  <		00/							_
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $									-
$\begin{array}{c c c c c c c c c c c c c c c c c c c $									_
Cresol  C <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td>									_
Cresol  C <td></td> <td>2370</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td>		2370							_
Cyclohexanone  C  C  B  C  C  C  -    Cyclohexanone  C <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>									-
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $									-
Developing solutions (Hypos)  A  A  A  A  B  A  A  -    Diesel Fuel   -  A    A   A    Diesel Fuel  C  C  C  C  C  B  C     Diethyl formamide  C <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>С</td></t<>									С
Diesel Fuel  -  -  A  -  -  -  A    Diethyl ether  C  C  C  C  C  B  C     Diethyl englycol  A									-
DiethyletherCCCCCBC-Diethylene glycolAAAAAAAAAADimethyl formamideCCCCCCCCCDiotyl pithalate (DOP)CCCCCBBAEthanol E85AAEthanol E90ATTEthanol E100ATTEthyl acetateCCCCBCEthyl acetacetateCCCCBCEthyl acetoacetateCCCCCCCCCEthylene glycolAAAAAAAAAEthylene glycol H2050%AAFormidehyde40%BBBBCBBAA-Formidehyde40%BBBBCCCCCCCFreon 11CCCAAAFreon 12CCCCCCCCFreon 12CCCCC <td></td> <td></td> <td></td> <td>-</td> <td>А</td> <td>-</td> <td>-</td> <td></td> <td>A</td>				-	А	-	-		A
Dimethyl formamide  C  T  A    A  A   A   T	Diethyl ether		C	С	С	С	В	С	-
Dioctyl phthalate (DOP)CCCCCBBAEthanol E85AAEthanol E98ATEthanol E100ATEthyl acetateCCCCBCEthyl acetacetateCCCCBCEthyl acetoacetateCCCCCCCEthylee glycolAAAAAAAEthylee glycol H2050%AAFuorboric acidAAAAAAAFormic Acid50%ABBBBBBBFrom 11CCCCCCCCCCCFreen 114CCCCCCAAACFreen 114CCCCCCCAAAFreen 12CCCCCCCAAFreen 114CCCCCCAAFreen 114CCCCCCC	Diethylene glycol		A	A	А	A	A	A	-
Ethanol E85AAEthanol E98ATEthanol E100ATEthylacetateCCCCBCEthyl acetateCCCCBCEthyl acetoacetateCCCCBCEthyl acetoacetateCCCCCCCEthyl acetoacetateCCCCCCCEthylene dicolorideCCCCCCCEthylene glycolAAAAAAAAEthylene glycol H2050%ABAAAAAFluoroboric acidABAAAFormaldehyde40%BBBBCBBFreen 11CCCAACCCCFreen 12CCCBBCAFreen 21CCCCCCAFreen 21CCCCCCFreen 14CCCCCC			C	С	С	C	С	С	С
Ethanol E98    A    T    Ethanol E100   -  A    T    Ethyl acetate  C  C  C  C  B  C     Ethyl acetate  C  C  C  C  B  C     Ethyl acetate  C  C  C  C  B  C     Ethyl acetate  C  C  C  C  B  A  A  A  A  B    Ethyl acetate  C			C	С		С		В	
Ethanol E100ATEthyl acetateCCCCBC-Ethyl acetaaetateCCCCBC-Ethyl acetaaetateCCCCBC-Ethyl acetaaetateCCCCBC-Ethyl acetaaetateCCCCCCCCEthylene dichlorideCCCCCCCCEthylene glycolAAAAAAAAAEthylene glycol H2O50%AAAAAFluoroboric acidABBAAA-Formid Adid50%BBBCCBBBFormic Acid50%BCCCCCCCCCFreon 11CCCAACCCC-Freon 12CCCBCB-AAFreon 12CCCCCCCC-AFreon 22CCCCCCCCFacelanetaCCCCC			-	-		-	-	-	
Ethyl acetateCCCCCC-Ethyl acetoacetateCCCCBC-Ethyl alcoholBAAAAB-Ethylene dichlorideCCCCCCCEthylene glycolAAAAAAAEthylene glycol H2050%AAAAFluoroboric acidABAAAAFormic Acid50%BBBBCBBBFormic Acid50%BCCCBBBFormic Acid50%BCCCBBBFreen 11CCCAAACCCCFreen 113CCCAAAAFreen 12CCCCCCCFreen 12CCCCCCAFreen 12CCCCCCFreen 12CCCCCCFreen 12CCCCCC<									
Ethyl acetoacetateCCCCCB-Ethyl alcoholBAAAAB-Ethylene dichlorideCCCCCCCEthylene glycolAAAAAAAEthylene glycol H2050%AAFluoroboric acidABAA-Formaldehyde40%BBBCBBFormic Acid50%BCCCBBFormaldehyde40%BBBCBBFreon 11CCCCBBFreon 13CCCBBCCCC-Freon 14CCCBCBFreon 12CCCBCBFreon 21CCCCCCCFreon 22CCCCCCCFuan EurufuranCCCCCCCGasoline (Aromatic content : less than 40%)CCCCCCCAA <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
EthylalcoholBAAAAAB-Ethylene dichlorideCCCCCCCCCEthylene glycolAAAAAAAAAAEthylene glycol H2050%AAAFluoroboric acidABAAAAFormaldehyde40%BBBBCBBBA-Formic Acid50%BCCCBBBAAAAAAAAAAAAA </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
Ethylene dichlorideCCCCCCCCCEthylene glycolAAAAAAAAAAEthylene glycol H2050%AAFluoroboric acidABAAA-Formaldehyde40%BBBBCBBB-Formic Acid50%BCCCBBFreen 11CCCACCCCCFreen 113CCCBBCCCCFreen 114CCCAACFreen 12CCCBCB-AFreen 21CCCCCFreen 22CCCCCCFuran FurufuranCCCCCCGasoline (Aromatic content : less than 40%)CCCACCCA					-				
Ethylene glycol  A  C  C  C  C  C  C  C  C  C  C  C  C  C									
Ethylene glycol H20  50%  -  -  A  -  -  A    Fluoroboric acid  -  -  A  B  A  A  A  -    Formaldehyde  40%  B  B  B  C  B  B  -  -  -  A  A  A  -  -  A  -  -  A  A  A  -  -  A  -  -  A  A  A  -  -  -  A  A  A  -  -  A  -  -  A  -  -  A  -  -  A  -  -  A  -  -  A  -  -  A  -  -  A  -  -  A  -  -  A  -  -  A  A  -  -  A  -  -  A  -  -  A  -  -  -  A  -  - <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
Fluoroboric acid  -  -  A  B  A  A  -    Formaldehyde  40%  B  B  B  B  C  B  B  -    Formic Acid  50%  B  C  C  C  B  B  -    Freon 11  C  C  C  A  C  C  C  C    Freon 113  C  C  C  B  B  C		E00/							
Formaldehyde  40%  B  B  B  C  B  B		30%							
Formic Acid  50%  B  C  C  C  B  B     Freon 11  C  C  A  C  C  C  C  C  Freon 11    Freon 113  C  C  C  B  B  C  Freen 114  C  C  C  C  C  C  C  C  C  C  C  C  C  C  C  C  C  Freen 114  C  C  C  C  C  C  C  C  C  C  C  C  C  C  F  Freen 12  C  C  C  C  C  C  C  F  Freen 22  C  C  C		10%							
Freen 11  C  C  A  C  C  C  C    Freen 113  C  C  C  B  B  C  C  C  C    Freen 113  C  C  C  B  B  C  C  C  C    Freen 114  C  C  C  A  A  C  C  -    Freen 12  C  C  C  B  C  B  -  A    Freen 21  C  C  C  C  C  C  -  -    Freen 22  C  C  C  C  C  C  -  -    Furan Furufuran  C  C  C  C  C  C  -  -    Gasoline (Aromatic content : less than 40%)  C  C  A  C  C  C  A									
Freen 113  C  C  B  B  C  C  C    Freen 114  C  C  C  A  A  C  C     Freen 12  C  C  B  C  B   A    Freen 12  C  C  C  B  C  B   A    Freen 21  C  C  C  C  C  C   A    Freen 22  C  C  C  C  C  C      Furan Furufuran  C  C  C  C  C      Gasoline (Aromatic content : less than 40%)  C  C  A  C  C  C  A		JU /0							
Freen 114  C  C  C  A  A  C  C  -    Freen 12  C  C  C  B  C  B  -  A    Freen 12  C  C  C  B  C  B  -  A    Freen 21  C  C  C  C  C  C  -  -    Freen 22  C  C  C  C  C  C  -  -    Furan Furufuran  C  C  C  C  C  -  -    Gasoline (Aromatic content : less than 40%)  C  C  A  C  C  C  A									
Freen 12  C  C  B  -  A    Freen 21  C  C  C  C  C  C  -  -  A    Freen 21  C  C  C  C  C  C  -									
Freen 21  C  C  C  C  C  -    Freen 22  C  C  C  C  C  C  -    Furan Furufuran  C  C  C  C  C  -  -    Gasoline (Aromatic content : less than 40%)  C  C  A  C  C  C  A									
Freon 22  C  C  C  C  C  C  -    Furan Furufuran  C  C  C  C  C  C  -    Gasoline (Aromatic content : less than 40%)  C  C  A  C  C  C  A									
Furan Furufuran  C  C  C  C  C  -    Gasoline (Aromatic content : less than 40%)  C  C  A  C  C  C  A									
Gasoline (Aromatic content : less than 40%) C C A C A C C A									
		s than 40%)							
	Glycerin		A	A	A	A	A	A	-

### Chemical Resistance continued

**C** — Unsatisfactory

T — Currently Testing

B — Suggest Testing

A — Satisfactory

Chemical Name	Concentration	All PVC Hoses Except 130 Y and Kanaline OR	130 Y Kanaline OR	ST 120 VP, St 120 Lt	KP-AT, 180 AR, 180 BL, 220 RS	180 HR,390 SD, 620 WD, 630 ED, 660 YD	300 EPDM GR	ST120 UAPDH, 150 UDH, ST Kanaline UBU
Hexane		C	A	A	С	C	С	-
Hydrobromic acid	20%	-	-	С	C	В	В	-
Hydrochloric acid	10%	А	А	C	B	A	А	-
Hydrochloric acid	38%	В	В	C	С	В	В	-
Hydrofluoric acid	10%	A	A	C	C	A	A	-
Hydrofluoric acid	20%	В	В	C	C	A	A	-
Hydrofluoric acid	40%	C	C	C	C	В	В	-
Hydrofluoric acid anhydrous		C	C	C	C	C	C	-
Hydrogen peroxide	5%	A	A	C	C	В	B	-
Hydrogen peroxide	30%	A	A	C	C	В	B	-
Hydrogen sulfide		-	-	C	C	A	A	-
Hypochlorous acid		-	_	C	C	C	C	-
Isooctane		С	А	A	C	C	C	-
Isopropyl alcohol		В	A	В	B	B	B	-
Jet Fuel, JP-8		_	-	A	_	_	-	A
Kerosene		С	А	A	C	С	С	A
Lacquer		C	C	C	C	C	C	-
Magnesium hydroxide		A	A	B	B	A	A	-
Mercury		A	A	A	A	A	A	_
Methyl alcohol		B	A	A	A	A	A	B
Methyl ethyl ketone (MEK)		C	C	C	C	B	B	D _
Nitric acid	10%	A	A	C	C	B	B	_
Nitric acid	30%	B	B	C	C	B	B	_
	61.3%	C	C	C	C	C	C	-
Nitric acid Nitric acid				-			C	-
	(fuming)	C C	C C	C	C	C C		-
Nitrobenzene Oil, Transmission Type A		- -	L _	C A		- -	C	A
Oleic acid		A	А	В	C	В	В	-
Oxalic acid		A	A	C	C	B	B	-
Oxygen		A	A	B	B	A	A	-
Ozone		B	В	C	C	A	A	-
Perchloric acid		A	B	В	B	B	В	-
Phosphoric acid	50%	A	A	B	C	A	A	-
Potassium dichromate	10%	A	A	A	B	A	A	_
Potassium hydroxide	30%	B	B	B	B	A	A	_
Potassium permanganate	5%	A	A	B	B	A	A	_
Potassium permanganate	30%	A	B	B	A	B	B	_
Propyl alcohol	50 /0	A	A	A	A	A	A	
Sea water		A	A	A	A	A	A	_
Silicone grease		A	A	A	A	A	A	_
Silicone oils		A	A	A	A	A	A	_
Soap solutions		B	A	A	B		A	-
	100/			B		A		-
Sodium hydroxide	10%	A	A		A	В	В	В
Sodium hypochlorite	5%	A	A	С	С	A	A	_
Sodium peroxide		C	C	В	В	A	A	-
Sodium phosphate		A	A	A	A	A	A	-
Soybean oil		C	A	A	В	C	C	-
Sulfur dioxide	100/	A	A	С	C	A	A	-
Sulfuric acid	10%	A	A	В	A	В	В	A
Sulfuric acid	30%	В	В	C	В	C	С	В
Sulfuric acid	98%	C	С	С	C	C	С	-
Sulfuric acid	(fuming)	C	С	С	C	C	С	-
Sulfurous acid	10%	A	A	С	C	C	С	-
Tetrachloroethane		C	С	С	C	С	С	-
Tetrahydrofuran		C	С	С	C	В	С	-
Toluene		C	С	С	C	С	С	В
Trichloroethylene (Trichlene)		C	С	С	C	С	С	C
Turpentine		-	-	В	-	-	-	A
Vegetable oil		С	А	A	C	С	С	-
Vinegar		A	А	В	В	A	А	-
Whiskey		В	А	A	A	A	А	-
Xylene		С	С	С	С	С	С	-

The "Chemical Resistance classification" for each Kanaflex Hose is determined by the phenomenon (change of the quality of the material) which results when the material is exposed to the specified chemical. Testing is conducted on straight sections of hose which are set in a static position. Unless otherwise noted, the concentration of water solution is saturated and temperature is 72°F.

**Note:** Differing phenomena may result during hose use as a result of application variables such as hose bends, stress, vacuum, pressure, temperature, etc.

### **Application Guide**

	p 2	p 15/17	p 3	p 3	p 4	p 4	p 18	p 15	p 5	p 10	p 11	p 11	p 12	p 5	p 6	p 12	p 13	p 13	p 18	p 19	p 19	p 20	p 9/17	p 10	p 6	p 9	p 9	p 21	p 20	p 7/16	p 7	p 8	p 8	p 14	p 21	p 21
		UFGMH																					120 UAPDH							aline UBU						
	100 CL/100 CWFLX/101 PS	100 UCLRD/ST 200 UFGMH	110 CL/110 GR	112 AG/112 CL	116 CL	130 Y	150 CL	150 UDH	155 GY	180 AR	180 BL	180 HR	180 MV	200 SFG	210 HFG/212 MK	220 RS	300 EPDM	390 SD BK	620 WD	620 WD WS	630 ED	660 YD	ST 120 LT/ST 120 U	ST 120 VP	ST 200 SFG	Banding Coil	Banding Sleeve	Duct Clamp	Kanaduct	Kanaline CW/ST Kanaline UBU p 7/16	Kanaline FW	Kanaline OR	Kanaline SR	Kanapower AT	Powerlock Clamp/PS	Spa Cream
Agriculture, Grain																																				
Agriculture, Chemical																	•	•																		
Air Seeder				•															_	_			_		_	_	_	_	_	_				_		
Auger Down Spout																			•	•	٠							•								
Cotton								•			•								•	•	•	•	_		_	_	_	•	_	_					•	
Fertilizer Sprayer																	٠																			
Foam Markers				•														•	_				_						_	_						
Grain Vac													•																						•	
Irrigation				•	•												•						_			•				_			•			
Manure Spreader																	٠																			
General Use				•													•						_			•				_			•			
Boating, Marine																																				
Bilge, Sanitary				•													•									•							•			
Ventilation																			٠									•								
General Use																	•									•							•			
Construction																																				
Cement Plant, Dust								•		$\bullet$												$\bullet$						•							•	
Concrete Surfacing, Dust								•													•	•						•								
Directional Drilling																										•							•			
Micro Tunneling																																		•		
Vacuum Excavators																																			•	
Water Pumping				•	•												•									•							•			
Fishing																																				
Fish Suction	•																									•				•			•		•	
Ice Slinging	٠																									•				٠			•		•	
Food, Milk Handling																																				
Food Processing																										•					•					
Milk Truck														•												•					•					
Wine Processing															•											•					•					
General Plant Services																																				
Car Wash																			•									•								
Duct Cleaning																						•						•								
Ducting (exhaust)							•	•											•	•	•	•						•								
Ducting (fumes, vent)							•													•	•	•						•								
Fly Ash												•																								
Power Plant, Coal Dust																																				
Sand Blast Recovery											•	•							•	•	•	•						•								
Sand Dust/Wood Chips											-								•		•	•						•								
Shipyard Ducting																			•									•								
Spot Coolers																			-		-								•							
General Use	•			•																									-				•			

	p 2	15/17	p 3	p 3	p 4	p 4	p 18	p 15	p 5	p 10	p 11	p 11	p 12	p 5	p 6	p 12	p 13	p 13	p 18	p 19	p 19	p 20	p 9/17	p 10	p 6	p 9	p 9	p 21	p 20	7/16	p 7	p 8	p 8	p 14	p 21	p 21
		MH			4	4					4	4			4	д			д	д							4	4	4	UBU p		4	4			
	100 CL/100 CWFLX/101 PS	100 UCLRD/ST 200 UFGMH p 15/17	110 CL/110 GR	112 AG/112 CL	116 CL	130 Y	150 CL	150 UDH	155 GY	180 AR	180 BL	180 HR	180 MV	200 SFG	210 HFG/212 MK	220 RS	300 EPDM	390 SD BK	620 WD	620 WD WS	630 ED	660 YD	ST 120 LT/ST 120 UAPDH	ST 120 VP	ST 200 SFG	Banding Coil	<b>Banding Sleeve</b>	Duct Clamp	Kanaduct	Kanaline CW/ST Kanaline UBU p 7/16	Kanaline FW	Kanaline OR	Kanaline SR	Kanapower AT	Powerlock Clamp/PS	Spa Cream
Insulation																																				
Blower											•										•	٠						•							•	
Lawn Mower, Gardening																																				
Grass Collection																			•									•								
Mulch Blowing									•																											
Material Handling																																				
Bulk Unloading																																				
Pneumatic Conveying		•												•	•										•										•	
Mining																																				
Cable Guard							•																													
Coal Rock Dust																																			•	
Oil Drill Site Clean Up						•											•															•				
Rock Drill Dust																																			•	
General Use				•													•																•			
Petroleum																																				
General Tank Truck																							•													
Gasoline Terminal																							•													
Refinery, Catalyst Removal												•																							•	
Plant, Tank Scale											•																								•	
Rental																																				
Lawn & Garden									٠										٠									•								
Water Pumping				•													•																•			
Roofing																																				
Gravel Removal										•		•	•																						•	
Spa																																				
Water Lines																																				
Transportation																																				
Aircraft, Avionics Cooling								•														•						•								
Airport, Lavatory Drop																					•	٠						•								
RV, Ducting																																				
Railroad Lavatory Drop																			٠																	
Waste Management																																				
Honey Truck																٠	•																			
																																			•	
Sanitation Plant																																	•			
Street Sweeper											•																	•							•	
Vacuum Truck										•		•				•																			•	
General Use												•					•	•																	•	

### **Minimum Bending Radius**

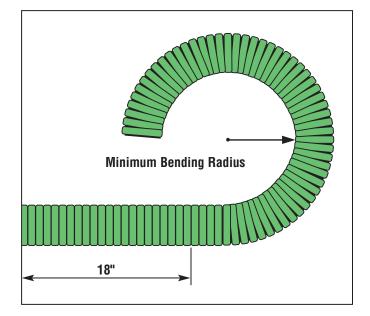
Minimum bending radius is the smallest diameter to which a hose can be bent without causing internal damage to the hose or flattening in the cross-section of the hose (kinking). Minimum bending radius is measured to the inside curvature of the hose as illustrated.

For Kanaflex hose, minimum bend radius is established at 72°F. Temperature changes, either lower or higher, will effect minimum bend radius. Caution should be taken to assure proper hose selection for the actual application temperature of both the material handled and the ambient temperature surrounding the application.

During storage of hose, ambient temperature should also be considered to prevent hose damage. When possible, minimum bending radius of the hose should be as large as possible to avoid damage to the hose and early hose failure.

**Note:** Over flexing or repeated flexing of hose within 18" of the fitting is a common cause of hose failure. To help support the hose, installing a 12" - 14" section of our Banding Coil at the end of the hose, just before the fitting, should be considered. And, to help prevent this common problem, Kanaflex recommends caution when using the hose.

Kanaflex will not be responsible for damage to the hose due to over flexing.



### **Temperature Effects**

Kanaflex conducts tests at 72°F to determine the recommended minimum bending radius, working pressures, and vacuum ratings. Straight lengths of hose are used during testing. If the ambient temperatures, or application induced temperatures, vary from the 72°F baseline, stated specifications and ratings for the hose will change. If the hose application and placement includes bends, the stated specifications and ratings for the hose will also change.

Please take these variance guidelines into account when determining the suitability of a hose for a specific application.

### **Usage and Storage Suggestions**

#### CARE AND MAINTENANCE

#### When Using Your Hose

The life of the hose is greatly influenced by the surrounding temperature, fluid temperature and time of exposure. Please select the proper hose according to the fluid used.

Especially in the case of a PVC hose, if the fluid temperature reaches or exceeds 120°F, do not exceed one half the rated working pressure of the hose.

In pressure applications, please open and close the valve slowly to avoid impact pressure. Suddenly closing the valve could cause the hose to burst.

Please do not use high-grade chemicals with high toxicity and hazardous materials such as high concentrations of Acidum or Alkalies and flammable or explosive gas.

Please set pump pressure below working pressure when you use it in the upright part of an underwater pump, otherwise there is a possibility of a failure caused by a water hammer when the pump is turned off.

Please do not use for compressed air; there is a possibility of a burst.

Please do not use for food grade unless indicated. Also, do not use for pharmaceutical products.

Exposure to the weather will increase the deterioration rate of the hose.

Remember hoses are replaceable items. The rate of their replacement will depend on the conditions under which they are used and deterioration.

#### Installation

Prior to the installation, please consider the impact on human health and surrounding facilities in case of a hose failure.

Since the hose will expand and contract because of internal pressure, please provide sufficient slack at the time of installation for expansion and contraction.

If twisted, the performance of a hose will fall. Please use a joint when a twist arises by rocking or rotation.

The hose could be damaged if there is a sharp bend at the fitting. Use appropriate elbows and fittings to support the hose so that when it is operational it will not bend sharply at the fitting. Please use an elbow or allow extra length to avoid this problem.

Please protect the hose against external impact (i.e. falling rock or running over the hose with a vehicle). If the installation of the

hose requires 150 or more feet of continuous length, the resulting head or loss of pressure may disrupt the quantity of flow.

The hose will deteriorate with age. If you find any defects in your periodic inspections please replace the hose.

#### Storage — As Stock

Temperature, humidity, ozone, sunlight, oils, solvents, corrosive liquids, fumes, insects, rodents, and radioactive materials can adversely affect hose products in storage.

Exposure to direct or reflected sunlight should be avoided.

The hose needs to be stored under these conditions:

- 1. Out of direct sun, preferably a dark location
- 2. In a cool location
- 3. Low humidity
- 4. Free of dust and dirt
- 5. First-in, first-out basis
- 6. Ideal temperature range is 50 to 70 degrees F

The hose should not be piled or stacked to such an extent that the weight of the stack creates distortions on the lengths stored at the bottom.

#### Storage — After Use

Follow above recommendations.

After using, remove residual substance by washing the hose in cold water, etc.

Please store the hose with good ventilation so that air passes through the inside of a hose freely. In the case of rubber hose, please cap the ends.

#### Transport

When moving hose, please do not drag on the ground.

Handle carefully to protect the hose from impact during loading and unloading.

If you are lifting the hose by a crane, etc., do not lift it up by only one point but use several.

#### Exterior Inspection

If the following abnormalities are discovered, please stop use immediately and replace the hose.

- Hose shows any swelling or leakage near fittings.
- Exterior cracking that allows any loss of fluid or creates a safety hazard.
- Collapsing or kinking.
- An inside swelling and exfoliation.
- Others: hardening, swelling, cracking, etc.

### Notes:


### **Precautionary Statement**

Kanaflex Corporation manufactures and distributes hose, ducting, and other products that conform to established specifications. These specifications are to be used as guidelines for the selection of hose to meet the specified criteria of each application. However, these established specifications are not intended to predict the performance of a Kanaflex product in any particular application. Since application criteria vary, Kanaflex makes no recommendation of our products for use in a particular application. The distributor and final customer of the product should determine the acceptability of use of the product. Therefore, the distributor and customer will assume all responsibility regarding the proper selection and resultant success of Kanaflex products used for any application.

### Claims

All claims on Kanaflex products must be reported to Kanaflex immediately. Kanaflex will forward a claim form and all information requested on the form is to be inserted and returned to Kanaflex. Kanaflex will request either the entire amount of product in question or sections of the product. The returned product must be labeled clearly and sent to the attention of the Kanaflex staff member responsible for receipt of the claim information. All additional product in question must be retained until a final determination is made regarding the claim. Upon receipt of the requested material, Kanaflex will determine if the product meets all requirements as stated within our WARRANTY and then send notification as to the determination of the claim.

Often, the exact cause of failures cannot be determined. Kanaflex may suggest possible causes in an effort to prevent future failures.

### **Returned Goods Policy**

The following guidelines must be met for acceptance of returned product:

- 1. Contact Kanaflex Customer Service department for return authorization.
- 2. Product must have been purchased within the last 90 days.
- 3. Only standard products, in standard lengths may be returned.
- 4. Merchandise must be sent back freight prepaid.
- Merchandise must reach Kanaflex in good condition so that it may be resold. Damaged goods will be refused.
- 6. Restocking fee will apply.

### Warranty

Every KANAFLEX hose is thoroughly inspected and tested before leaving the factory and is warranted to be free from defects in material and workmanship at the time of shipment by Kanaflex. Should any trouble develop within ninety (90) days of the date of shipment, please notify the manufacturer and obtain a written authorization for return. If an inspection by the manufacturer shows the trouble to be caused by defects in material or workmanship, Kanaflex will replace such merchandise at no charge, freight prepaid.

This warranty shall not apply (1) in the event the hose has been abused or involved in an accident; (2) in the event of misuse (such as subjecting the hose to pressure beyond rated capacity, exceeding minimum bending radius specifications or transfer of materials not recommended by the manufacturer); (3) in the event of damage caused by insects and/or rodents.

THIS WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY OF KANAFLEX AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, STATUTORY OR OTHERWISE CREATED UNDER APPLICABLE LAW INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL KANAFLEX BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR FOR LOSS OF PROFITS.

### Kana flex.



Vernon Hills, Illinois: Headquarters/Plant

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#### www.kanaflexcorp.com

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