RESISTOFLEX®

RESISTOFLEX® offers solutions for resolving permeation issues

RESISTOFLEX® Hose Manual

CRANE®

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CRC - W Twister® EPDM Rubber Covered

Inner core: White seamless convoluted *Teflon*® PTFE

Reinforcement: Stainless steel wire wrap with EPDM cover

Temperature: 0 °F to 150 °F

Construction

Unique and patented design incorporating a seamless, helically formed convoluted Teflon® PTFE tube reinforced with a stainless steel wire wrap, tire cord, and EPDM rubber cover with crimp style fittings.

Benefits

- Ultra Flexible - Twister requires a minimum amount of force to flex, making this an excellent choice for handling and reducing strain on adjoining equipment
- 1:1 nominal diameter to bend radius – A 2" hose has a 2" bend radius!
- Virtually kink-proof design
- Teflon® PTFE inner core provides outstanding corrosion resistance and material compatibility
- Open pitch, helical convolutions for easy cleaning
- Tough EPDM cover provides durability and easy handling

Applications

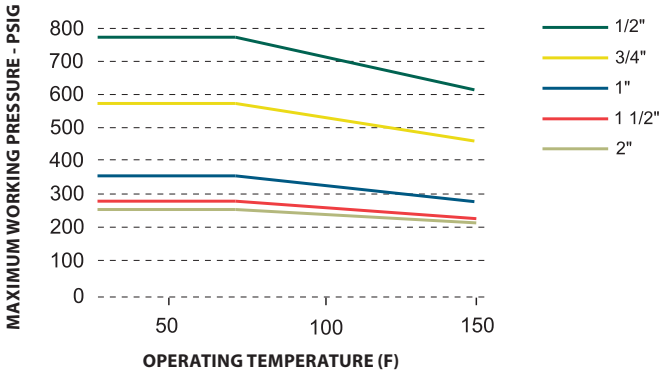
Versatile design used where a very flexible connection is needed to transfer corrosive, or hazardous media. Twister is commonly selected for rail and truck loading / unloading stations and transfer panels.

Fittings: Crimped

Flanged | Cam & Groove | Special | Industrial | Sanitary

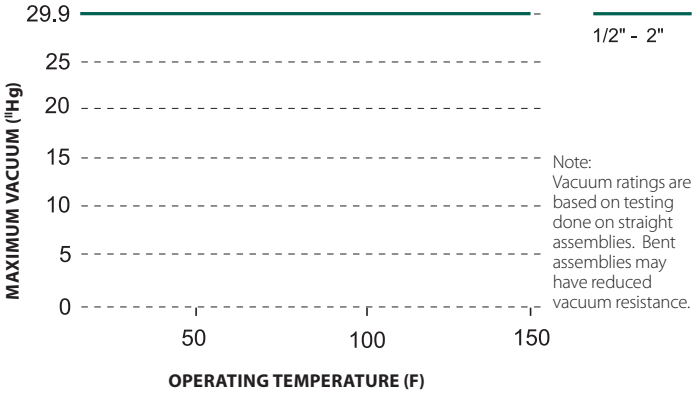
(consult factory for availability)

PRESSURE RATINGS



NOTE: For assemblies, pressure ratings of fittings may be less than for the hose.

VACUUM RATINGS



Note: Vacuum ratings are based on testing done on straight assemblies. Bent assemblies may have reduced vacuum resistance.

Size		Hose I.D.		Hose O.D.		Min. Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Ft
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.970	24.6	0.500	12.7	785	54.1	3140	216.5	0.36
3/4	20	0.760	19.3	1.250	31.7	0.750	19	570	39.3	2280	157.2	0.49
1	25	1.025	26	1.560	39.6	1.000	25.4	350	24.1	1400	96.5	0.63
1-1/2	40	1.525	38.7	2.240	56.9	1.500	38.1	295	20.33	1180	81.4	1.04
2	50	2.025	51.4	2.670	67.8	2.000	50.8	275	19	1100	75.8	1.33

CRCF - W Twister® EPDM Rubber Covered

Inner core: White seamless convoluted *Teflon*® PTFE

Reinforcement: Stainless steel wire wrap with EPDM cover

Temperature: 0 °F to 150 °F

Construction

Unique and patented design incorporating a seamless, helically formed convoluted Teflon® PTFE tube reinforced with a stainless steel wire wrap, tire cord, and EPDM rubber cover with flare thru fittings.

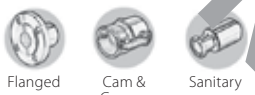
Benefits

- Ultra Flexible - Twister requires a minimum amount of force to flex, making this an excellent choice for handling and reducing strain on adjoining equipment
- 1:1 nominal diameter to bend radius – A 2" hose has a 2" bend radius!
- Virtually kink-proof design
- Teflon® PTFE inner core provides outstanding corrosion resistance and material compatibility
- Open pitch, helical convolutions for easy cleaning
- Tough EPDM cover provides durability and easy handling

Applications

...design used where a very flexible connection is needed to transfer corrosive, or hazardous media. Twister is commonly selected for rail and truck loading / unloading stations and transfer panels.

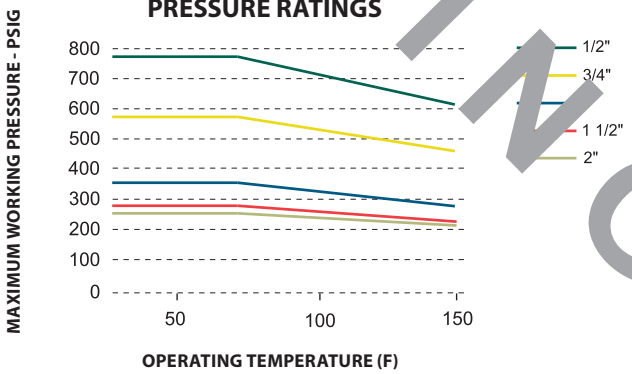
Fittings: Flare Thru



Flanged | Cam & Groove | Sanitary

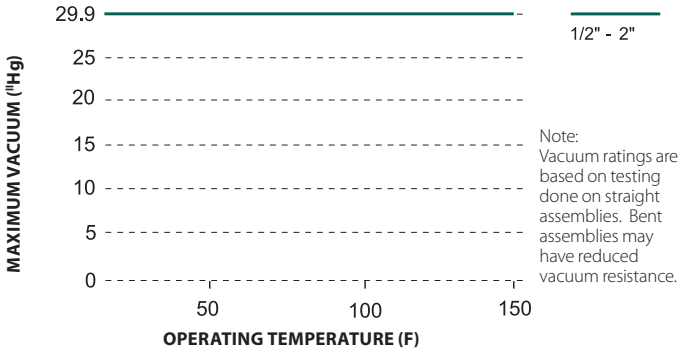
(consult factory for availability)

PRESSURE RATINGS



NOTE: For assemblies, pressure ratings of fittings may be less than for the hose.

VACUUM RATINGS



Note: Vacuum ratings are based on testing done on straight assemblies. Bent assemblies may have reduced vacuum resistance.

Size		Hose I.D.		Hose O.D.		Min. Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Ft
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.970	24.6	0.500	12.7	785	54.1	3140	216.5	0.36
3/4	20	0.760	19.3	1.250	31.7	0.750	19	570	39.3	2280	157.2	0.49
1	25	1.025	26	1.560	39.6	1.000	25.4	350	24.1	1400	96.5	0.63
1-1/2	40	1.525	38.7	2.240	56.9	1.500	38.1	295	20.33	1180	81.4	1.04
2	50	2.025	51.4	2.670	67.8	2.000	50.8	275	19	1100	75.8	1.33

CRC - B Twister® EPDM Rubber Covered

Inner core: Antistatic seamless convoluted *Teflon*® PTFE

Reinforcement: Stainless steel wire wrap with EPDM Cover

Temperature: 0 °F to 150 °F

Construction

Unique and patented design incorporating a seamless, helically formed convoluted Teflon® PTFE tube reinforced with a stainless steel wire wrap and EPDM rubber cover, tire cord, and crimp style fittings.

Benefits

- Ultra flexible - Twister requires a minimum amount of force to flex, making this an excellent choice for handling and reducing strain on adjoining equipment
- 1:1 nominal diameter to bend radius – A 2" hose has a 2" bend radius!
- Virtually kink-proof design
- Antistatic Teflon® PTFE liner provides outstanding corrosion resistance and material compatibility
- Open pitch, helical convolutions for easy cleaning
- Tough EPDM cover provides durability and easy handling

Applications

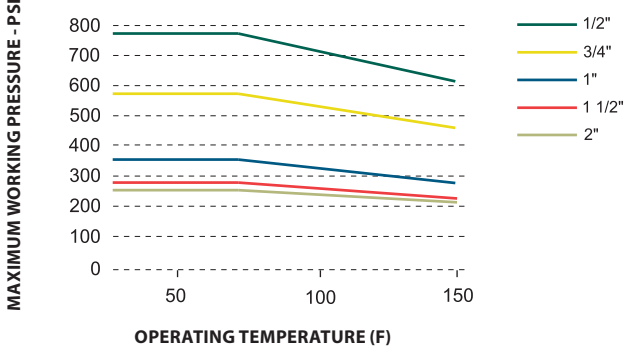
Versatile design used where a very flexible connection is needed to transfer corrosive, or hazardous media. Twister is commonly selected for rail and truck loading / unloading stations and transfer panels.

Fittings: Crimped

Flanged | Cam & Groove | Special | Industrial | Sanitary

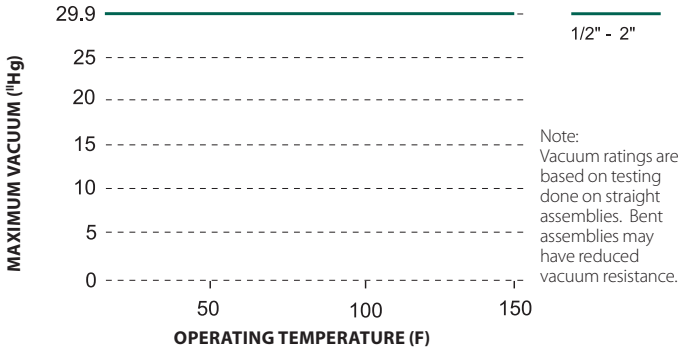
(consult factory for availability)

PRESSURE RATINGS



NOTE: For assemblies, pressure ratings of fittings may be less than for the hose.

VACUUM RATINGS



Note: Vacuum ratings are based on testing done on straight assemblies. Bent assemblies may have reduced vacuum resistance.

Size		Hose I.D.		Hose O.D.		Min. Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Ft
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.970	24.6	0.500	12.7	785	54.1	3140	216.5	0.36
3/4	20	0.760	19.3	1.250	31.7	0.750	19	570	39.3	2280	157.2	0.49
1	25	1.025	26	1.560	39.6	1.000	25.4	350	24.1	1400	96.5	0.63
1-1/2	40	1.525	38.7	2.240	56.9	1.500	38.1	295	20.33	1180	81.4	1.04
2	50	2.025	51.4	2.670	67.8	2.000	50.8	275	19	1100	75.8	1.33

CRCF - B Twister® EPDM Rubber Covered

Inner core: Antistatic Seamless Convoluted *Teflon*® PTFE

Reinforcement: Stainless Steel Wire Wrap with EPDM Cover

Temperature: 0 °F to 150 °F

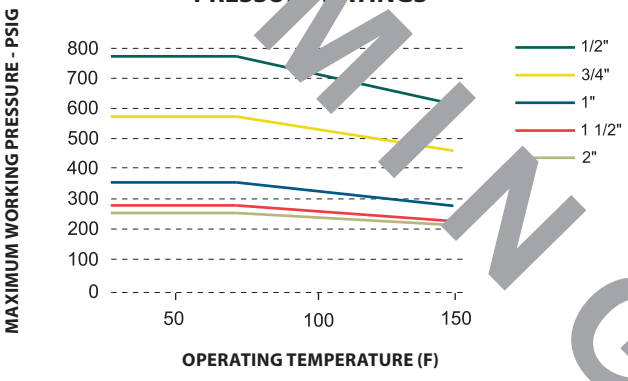
Construction

Unique and patented design incorporating a seamless, helically formed convoluted Teflon® PTFE tube reinforced with a Stainless Steel Wire Wrap, tire cord, and EPDM rubber cover and flare thru fittings.

Benefits

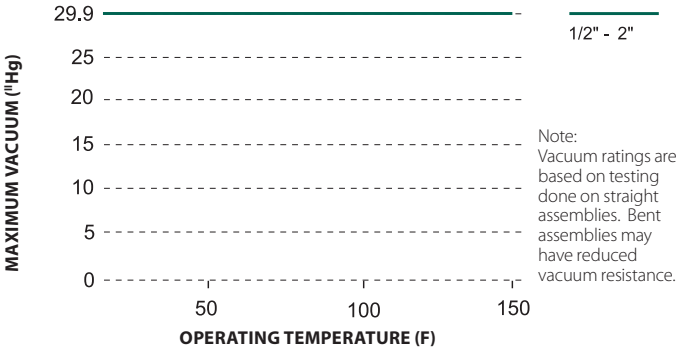
- Ultra Flexible - Twister requires a minimum amount of force to flex, making this an excellent choice for handling and reducing strain on adjoining equipment
- 1:1 Nominal Diameter to Bend Radius – A 2" Hose has a 2" Bend Radius!
- Virtually kink-proof design
- Antistatic Teflon® PTFE liner provides outstanding corrosion resistance and material compatibility
- Open pitch, helical convolutions for easy cleaning
- Tough EPDM cover provides durability and easy handling

PRESSURE RATINGS



NOTE: For assemblies, pressure ratings of fittings may be less than for the hose.

VACUUM RATINGS



Note: Vacuum ratings are based on testing done on straight assemblies. Bent assemblies may have reduced vacuum resistance.

Applications

Versatile design used where a very flexible connection is needed to transfer corrosive, hazardous media. Twister is commonly selected for rail and truck loading / unloading stations and transfer panels.

Fittings: Flare Thru

(consult factory for availability)

Size		Hose I.D.		Hose O.D.		Min. Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Ft
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.970	24.6	0.500	12.7	785	54.1	3140	216.5	0.36
3/4	20	0.760	19.3	1.250	31.7	0.750	19	570	39.3	2280	157.2	0.49
1	25	1.025	26	1.560	39.6	1.000	25.4	350	24.1	1400	96.5	0.63
1-1/2	40	1.525	38.7	2.240	56.9	1.500	38.1	295	20.33	1180	81.4	1.04
2	50	2.025	51.4	2.670	67.8	2.000	50.8	275	19	1100	75.8	1.33

CB–W Convoluted Stainless Steel Braided

Inner core: Seamless convoluted white *Teflon*® PTFE
Reinforcement: 316 stainless steel braid
Temperature: -20 °F to 350 °F

Construction

Seamless helically formed convoluted Teflon® PTFE tube reinforced with 316 high tensile stainless steel wire braid and Crimp Style fittings.

Benefits

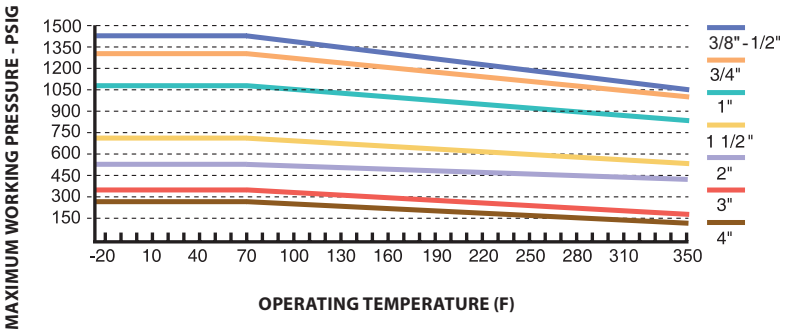
- Teflon® PTFE inner core provides outstanding corrosion resistance and material compatibility
- Open pitch, helical convolutions allow for smooth product flow and easy cleaning
- One product rated for both medium pressure and full vacuum applications
- Wide variety of crimp style end fittings in various metallurgies
- Tighter bend radii compared to smooth bore hose styles

Applications

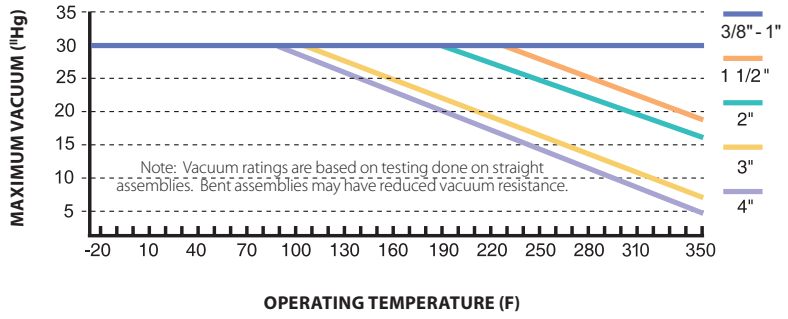
Versatile design used where light in weight and very flexible connections are needed to transfer corrosive, hazardous or other media. Wide variety of crimp style fittings allow for use in many types of applications and industries, including chemical processing, pharmaceuticals, corn processing, food and beverage, flavors and fragrances and others.

Fittings: Crimped

PRESSURE RATINGS



VACUUM RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings and options.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs/ Feet
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
3/8	10	0.360	9.1	0.568	14.4	2	50.8	1425	98.2	5700	393.0	0.15
1/2	15	0.510	13	0.748	19	2	50.8	1425	98.2	5700	393.0	0.20
3/4	20	0.760	19.3	1.048	26.6	2.75	69.9	1300	89.6	5200	358.5	0.30
1	25	1.025	26	1.354	34.4	4	101.6	1100	75.8	4400	303.3	0.48
1-1/2	40	1.525	38.7	2.034	51.7	6	152.4	700	48.3	2800	193.0	0.82
2	50	2.025	51.4	2.464	62.6	7.5	190.5	525	36.2	2100	144.8	1.12
3	50	2.952	75	3.702	94.0	14	355.6	350	24.1	1400	96.6	1.26
4	50	3.937	100	5.000	127.0	16	406.4	275	19	1100	75.9	2.64

CBF–W Convoluted Stainless Braided

Inner core: Seamless convoluted white *Teflon*® PTFE
Reinforcement: 316 stainless steel braid
Temperature: -20 °F to 350 °F

Construction

Seamless helically formed convoluted Teflon® PTFE tube reinforced with 316 high tensile stainless steel wire braid and flare thru fittings.

Benefits

In addition to the benefits of our CB Style

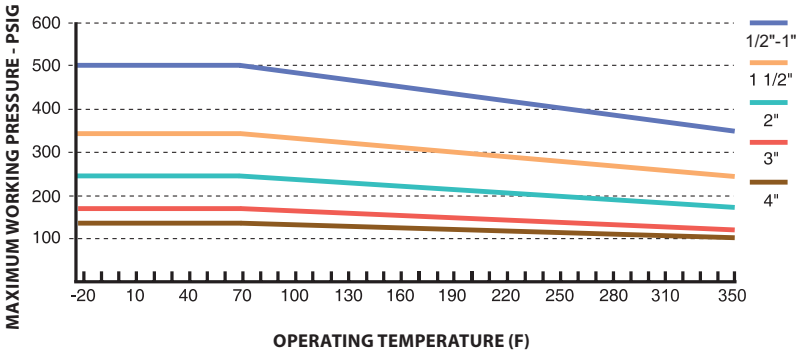
- Flare thru system allows Teflon® PTFE protection of all wetted surfaces, eliminating metal corrosion and process contamination

Applications

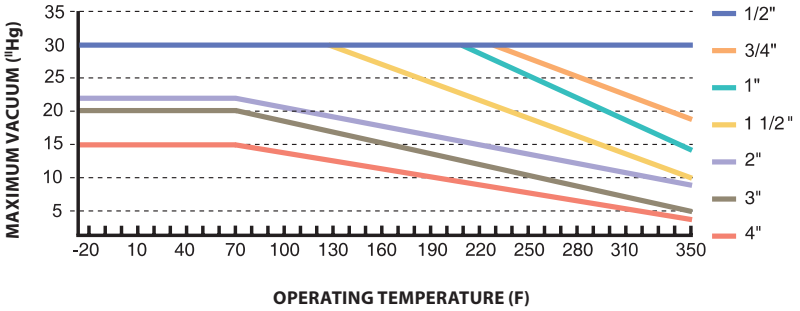
In addition to the applications where a crimp style CB hose may be selected, CBF is suitable for chemical, pharmaceutical, food and flavoring applications requiring an extremely flexible hose with no metal exposed to the media.

Fittings: Flare Thru

PRESSURE RATINGS



VACUUM RATINGS



Note: Hose assembly pressure ratings may be limited by the fittings.
Note: Vacuum ratings are based on testing done on straight assemblies. Bent assemblies may have reduced vacuum resistance.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70oF (21oC)		Burst Pressure at 70oF (21oC)		Weight Lbs / Feet
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.748	19	2	50.8	500	34.5	2000	137.9	0.20
3/4	20	0.760	19.3	1.048	26.6	2.75	69.9	500	34.5	2000	137.9	0.30
1	25	1.025	26	1.354	34.4	4	101.6	500	34.5	2000	137.9	0.48
1-1/2*	40	1.525	38.7	2.034	51.7	6	152.4	350	24.1	1400	96.5	0.82
2*	50	2.025	51.4	2.464	62.6	7.5	190.5	250	17.2	1000	68.9	1.14
3	75	2.952	75	3.702	94.0	14	355.6	175	12.1	700	48.4	1.26
4	100	3.937	100	5.000	127.0	16	406.4	150	10.3	600	41.2	2.64

Note: * 1-1/2" and 2" flare thru assemblies with sanitary fittings have reduced nominal size to ensure ID alignment with SS sanitary tubing.

CWB–W Convoluted Stainless Steel Braided

Inner core: Seamless convoluted white *Teflon*® PTFE
Reinforcement: 316 stainless steel braid
Temperature: -20 °F to 350 °F

Construction

Seamless helically formed convoluted Teflon® PTFE tube reinforced with 316 high tensile stainless steel wire braid and Crimp Style fittings.

Benefits

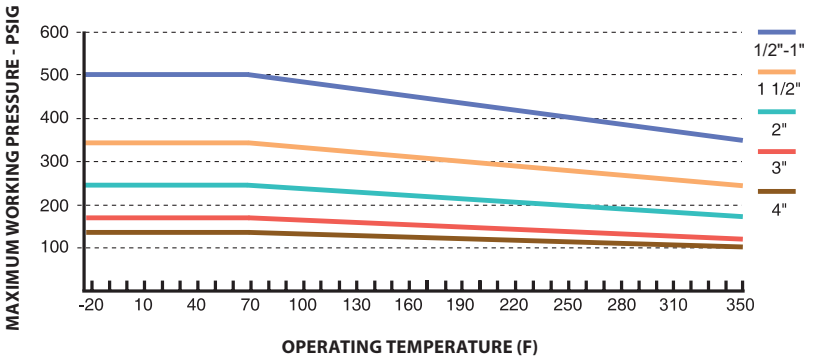
- Teflon® PTFE inner core provides outstanding corrosion resistance and material compatibility
- Open pitch, helical convolutions allow for smooth product flow and easy cleaning
- One product rated for both medium pressure and full vacuum applications
- Wide variety of crimp style end fittings in various metallurgies
- Wire wrap provides improved crush resistance, kink resistance, and bend radius
- Tighter bend radii compared to smooth bore hose styles

Applications

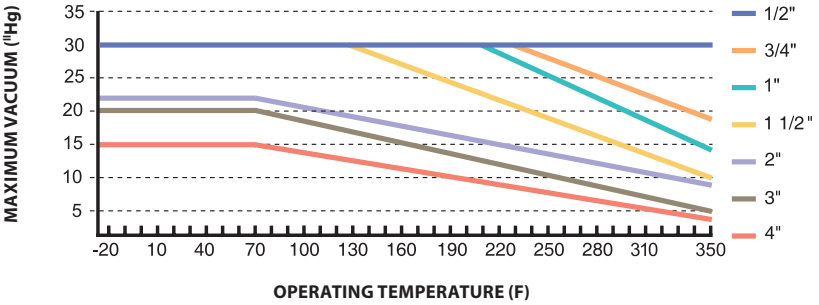
Versatile design used where light in weight and very flexible connections are needed to transfer corrosive, hazardous or other media. Wide variety of crimp style fittings allow for use in many types of applications and industries, including chemical processing, pharmaceuticals, corn processing, food and beverage, flavors and fragrances and others.

Fittings: Crimped

PRESSURE RATINGS



VACUUM RATINGS



Note: Hose assembly pressure ratings may be limited by the fittings.
Note: Vacuum ratings are based on testing done on straight assemblies.
Bent assemblies may have reduced vacuum resistance. Vacuum wire improves this to a degree.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70oF (21oC)		Burst Pressure at 70oF (21oC)		Weight Lbs / Feet
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.748	19	0.5	12.7	500	34.5	2000	137.9	.20
3/4	20	0.760	19.3	1.048	26.6	0.75	19.1	500	34.5	2000	137.9	.30
1	25	1.025	26	1.354	34.4	1	25.4	500	34.5	2000	137.9	.48
1-1/2	40	1.525	38.7	2.034	51.7	1.5	38.1	350	24.1	1400	96.5	.82
2	50	2.025	51.4	2.464	62.6	2	50.8	250	17.2	1000	68.9	1.14
3	75	2.952	75	3.702	94.0	3	76.2	175	12.1	700	48.4	1.26
4	100	3.937	100	5.000	127.0	4	101.6	150	10.3	600	41.2	2.64

CWBF–W Convoluted Stainless Braided

Inner core: Seamless convoluted white *Teflon*® PTFE
Reinforcement: 316 stainless steel braid
Temperature: -20 °F to 350 °F

Construction

Seamless helically formed convoluted Teflon® PTFE tube reinforced with 316 high tensile stainless steel wire braid and flare thru fittings. Outer convolutes are wire wrapped.

Benefits

In addition to the benefits of our CB Style

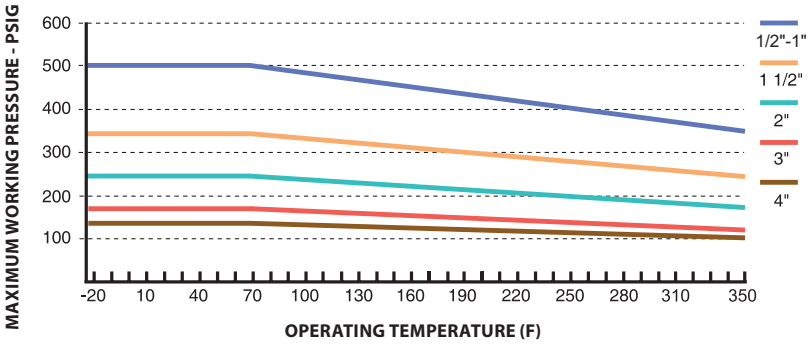
- Flare thru system allows Teflon® PTFE protection of all wetted surfaces, eliminating metal corrosion and process contamination
- Wire wrap provides improved crush resistance, kink resistance, and bend radius

Applications

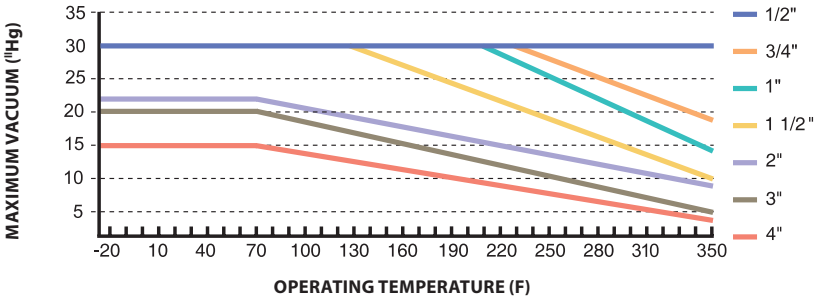
In addition to the applications where a crimp style CB hose may be selected, CBF is suitable for chemical, pharmaceutical, food and flavoring applications requiring an extremely flexible hose with no metal exposed to the media.

Fittings: Flare Thru

PRESSURE RATINGS



VACUUM RATINGS



Note: Hose assembly pressure ratings may be limited by the fittings.
Note: Vacuum ratings are based on testing done on straight assemblies. Bent assemblies may have reduced vacuum resistance. Wire wrap improves this to a degree.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70oF (21oC)		Burst Pressure at 70oF (21oC)		Weight Lbs / Feet
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.748	19	0.5	12.7	500	34.5	2000	137.9	.20
3/4	20	0.760	19.3	1.048	26.6	0.75	19.1	500	34.5	2000	137.9	.30
1	25	1.025	26	1.354	34.4	1	25.4	500	34.5	2000	137.9	.48
1-1/2*	40	1.525	38.7	2.034	51.7	1.5	38.1	350	24.1	1400	96.5	.82
2*	50	2.025	51.4	2.464	62.6	2	50.8	250	17.2	1000	68.9	1.14
3	75	2.952	75	3.702	94.0	3	76.2	175	12.1	700	48.4	1.26
4	100	3.937	100	5.000	127.0	4	101.6	150	10.3	600	41.2	2.64

Note: * 1-1/2" and 2" flare thru assemblies with sanitary fittings have reduced nominal size to ensure ID alignment with SS sanitary tubing.

CB–B Convoluted Stainless Braided

Inner core: Seamless convoluted antistatic *Teflon*® PTFE
Reinforcement: 316 stainless steel braid
Temperature: -20 °F to 350 °F

Construction

Seamless helically formed convoluted Teflon® PTFE tube reinforced with 316 high tensile stainless steel wire braid and Crimp Style fittings.

Benefits

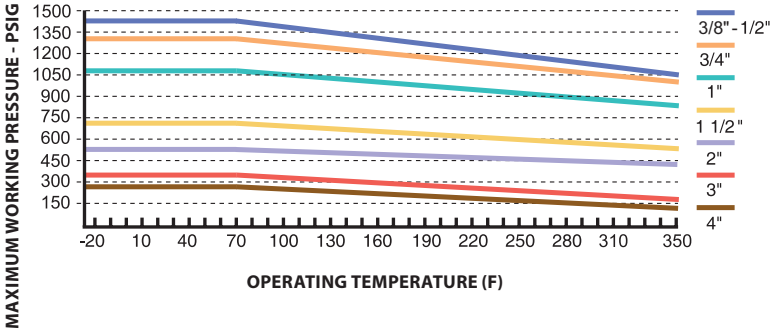
- Antistatic Teflon® PTFE inner core provides outstanding corrosion resistance and material compatibility
- Open pitch, helical convolutions allow for smooth product flow and easy cleaning
- One product rated for both medium pressure and full vacuum applications
- Wide variety of crimp style end fittings in various metallurgies
- Tighter bend radii compared to smooth bore hose styles

Applications

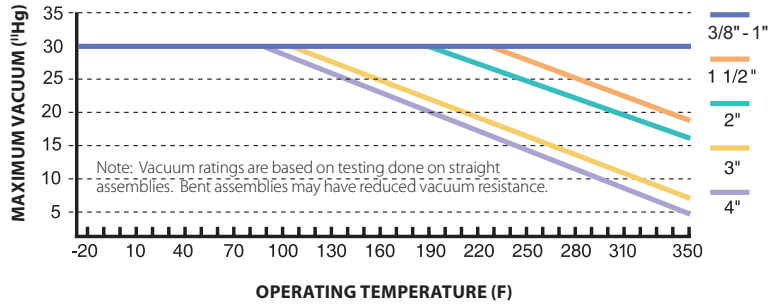
Versatile design used where light in weight and very flexible connections are needed to transfer corrosive, hazardous or other media. Wide variety of crimp style fittings allow for use in many types of applications and industries, including chemical processing, pharmaceuticals, corn processing, food and beverage, flavors and fragrances and others.

Fittings: Crimped

PRESSURE RATINGS



VACUUM RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings and options.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs/ Feet
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
3/8	10	0.360	9.1	0.568	14.4	2	50.8	1425	98.2	5700	393.0	0.15
1/2	15	0.510	13	0.748	19	2	50.8	1425	98.2	5700	393.0	0.20
3/4	20	0.760	19.3	1.048	26.6	2.75	69.9	1300	89.6	5200	358.5	0.30
1	25	1.025	26	1.354	34.4	4	101.6	1100	75.8	4400	303.3	0.48
1-1/2	40	1.525	38.7	2.034	51.7	6	152.4	700	48.3	2800	193.0	0.82
2	50	2.025	51.4	2.464	62.6	7.5	190.5	525	36.2	2100	144.8	1.12
3	50	2.952	75	3.702	94.0	14	355.6	350	24.1	1400	96.6	1.26
4	50	3.937	100	5.000	127.0	16	406.4	275	19	1100	75.9	2.64

CBF–B Convoluted Stainless Braided

Inner core: Seamless convoluted antistatic *Teflon*® PTFE
Reinforcement: 316 stainless steel braid
Temperature: -20 °F to 350 °F

Construction

Seamless helically formed convoluted Teflon® PTFE tube reinforced with 316 high tensile stainless steel wire braid and flare thru fittings.

Benefits

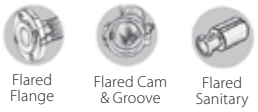
In addition to the benefits of our CB Style

- Flare thru system allows Teflon® PTFE protection of all wetted surfaces, eliminating metal corrosion and process contamination

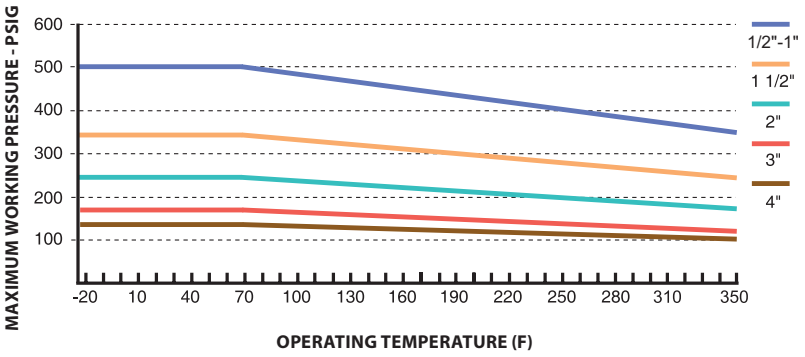
Applications

In addition to the applications where a crimp style CB hose may be selected, CBF is suitable for chemical, pharmaceutical, food and flavoring applications requiring an extremely flexible hose with no metal exposed to the media.

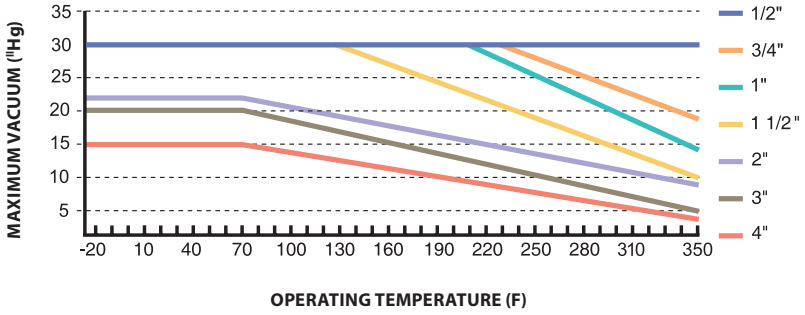
Fittings: Flare Thru



PRESSURE RATINGS



VACUUM RATINGS



Note: Hose assembly pressure ratings may be limited by the fittings.
Note: Vacuum ratings are based on testing done on straight assemblies. Bent assemblies may have reduced vacuum resistance.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70oF (21oC)		Burst Pressure at 70oF (21oC)		Weight Lbs / Feet
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.748	19	2	50.8	500	34.5	2000	137.9	.20
3/4	20	0.760	19.3	1.048	26.6	2.75	69.9	500	34.5	2000	137.9	.30
1	25	1.025	26	1.354	34.4	4	101.6	500	34.5	2000	137.9	.48
1-1/2*	40	1.525	38.7	2.034	51.7	6	152.4	350	24.1	1400	96.5	.82
2*	50	2.025	51.4	2.464	62.6	7.5	190.5	250	17.2	1000	68.9	1.14
3	75	2.952	75	3.702	94.0	14	355.6	175	12.1	700	48.4	1.26
4	100	3.937	100	5.000	127.0	16	406.4	150	10.3	600	41.2	2.64

Note: * 1-1/2" and 2" flare thru assemblies with sanitary fittings have reduced nominal size to ensure ID alignment with SS sanitary tubing.

CWB–B Convoluted Stainless Braided

Inner core: Seamless convoluted antistatic *Teflon*® PTFE
Reinforcement: 316 stainless steel braid
Temperature: -20 °F to 350 °F

Construction

Seamless helically formed convoluted Teflon® PTFE tube reinforced with 316 high tensile stainless steel wire braid and Crimp Style fittings.

Benefits

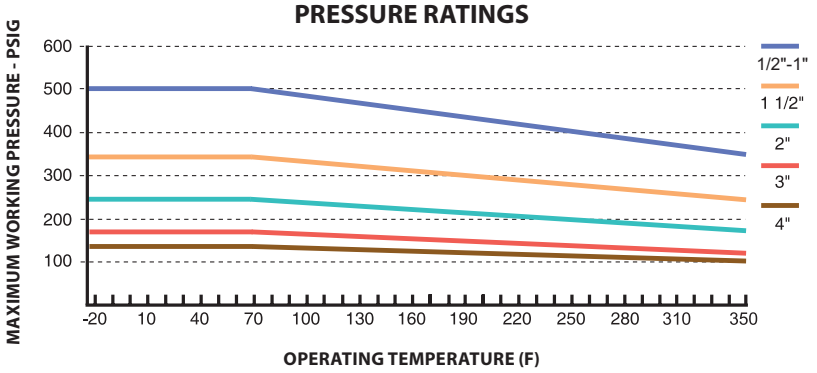
- Antistatic Teflon® PTFE inner core provides outstanding corrosion resistance and material compatibility
- Open pitch, helical convolutions allow for smooth product flow and easy cleaning
- One product rated for both medium pressure and full vacuum applications
- Wide variety of crimp style end fittings in various metallurgies
- Wire wrap provides improved crush resistance, kink resistance, and bend radius
- Tighter bend radii compared to smooth bore hose styles

Applications

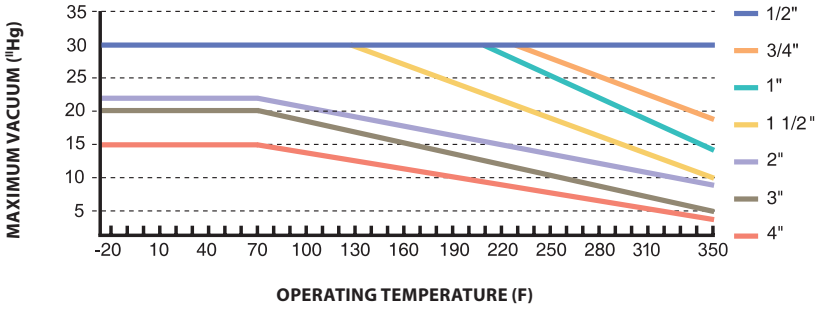
Versatile design used where light in weight and very flexible connections are needed to transfer corrosive, hazardous or other media. Wide variety of crimp style fittings allow for use in many types of applications and industries, including chemical processing, pharmaceuticals, corn processing, food and beverage, flavors and fragrances and others.

Fittings: Crimped

PRESSURE RATINGS



VACUUM RATINGS



Note: Hose assembly pressure ratings may be limited by the fittings.
Note: Vacuum ratings are based on testing done on straight assemblies. Bent assemblies may have reduced vacuum resistance. Wire wrap improves this to a degree

NOTE: Hose assembly pressure ratings may be limited by the fittings and options.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70oF (21oC)		Burst Pressure at 70oF (21oC)		Weight Lbs / Feet
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.748	19	0.5	12.7	500	34.5	2000	137.9	.20
3/4	20	0.760	19.3	1.048	26.6	0.75	19.1	500	34.5	2000	137.9	.30
1	25	1.025	26	1.354	34.4	1	25.4	500	34.5	2000	137.9	.48
1-1/2*	40	1.525	38.7	2.034	51.7	1.5	38.1	350	24.1	1400	96.5	.82
2*	50	2.025	51.4	2.464	62.6	2	50.8	250	17.2	1000	68.9	1.14
3	75	2.952	75	3.702	94.0	3	76.2	175	12.1	700	48.4	1.26
4	100	3.937	100	5.000	127.0	4	101.6	150	10.3	600	41.2	2.64

CWBF–B Convoluted Stainless Braided

Inner core: Seamless convoluted antistatic *Teflon*® PTFE
Reinforcement: 316 stainless steel braid
Temperature: -20 °F to 350 °F

Construction

Seamless helically formed convoluted Teflon® PTFE tube reinforced with 316 high tensile stainless steel wire braid and flare thru fittings. Outer convolutes are wire wrapped.

Benefits

In addition to the benefits of our CB Style

- Flare thru system allows Teflon® PTFE protection of all wetted surfaces, eliminating metal corrosion and process contamination
- Wire wrap provides improved crush resistance, kink resistance, and bend radius

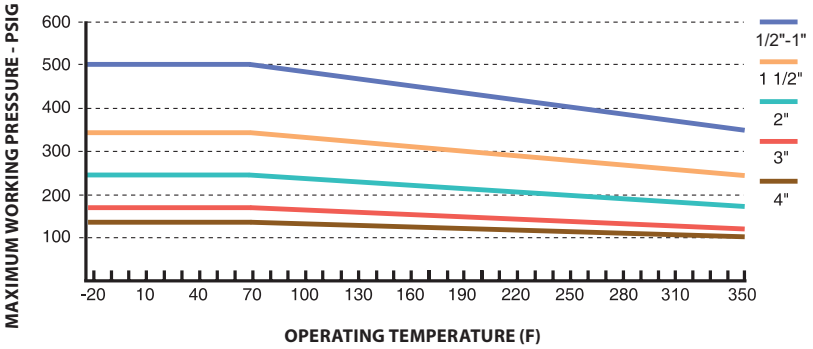
Applications

In addition to the applications where a crimp style CB hose may be selected, CBF is suitable for chemical, pharmaceutical, food and flavoring applications requiring an extremely flexible hose with no metal exposed to the media.

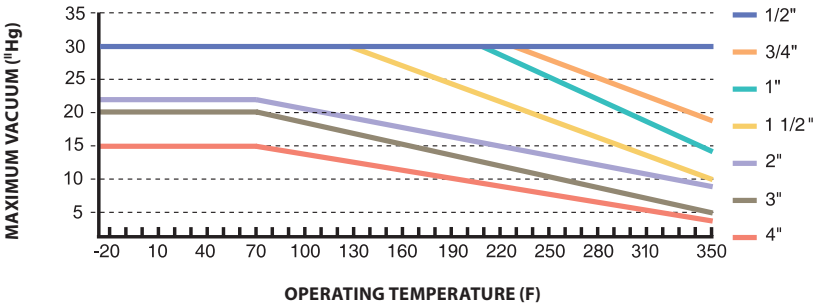
Fittings: Flare Thru

Flared Flange | Flared Cam & Groove | Flared Sanitary

PRESSURE RATINGS



VACUUM RATINGS



Note: Hose assembly pressure ratings may be limited by the fittings.
Note: Vacuum ratings are based on testing done on straight assemblies.
Bent assemblies may have reduced vacuum resistance. Vacuum wireimproves this to a degree.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70oF (21oC)		Burst Pressure at 70oF (21oC)		Weight Lbs / Foot
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.748	19	0.5	12.7	500	34.5	2000	137.9	.20
3/4	20	0.760	19.3	1.048	26.6	0.75	19.1	500	34.5	2000	137.9	.30
1	25	1.025	26	1.354	34.4	1	25.4	500	34.5	2000	137.9	.48
1-1/2*	40	1.525	38.7	2.034	51.7	1.5	38.1	350	24.1	1400	96.5	.82
2*	50	2.025	51.4	2.464	62.6	2	50.8	250	17.2	1000	68.9	1.14
3	75	2.952	75	3.702	94.0	3	76.2	175	12.1	700	48.4	1.26
4	100	3.937	100	5.000	127.0	4	101.6	150	10.3	600	41.2	2.64

Note: * 1-1/2" and 2" flare thru assemblies with sanitary fittings have reduced nominal size to ensure ID aligned with SS sanitary tubing.

CPB–W Convoluted Polypropylene Braided

Inner core: Seamless convoluted white *Teflon*® PTFE
Reinforcement: Blue polypropylene, UV-stabilized braid
Temperature: -20 °F to 250 °F

Construction

Seamless helically formed convoluted Teflon® PTFE tube reinforced with polypropylene braid and crimped fittings.

Benefits

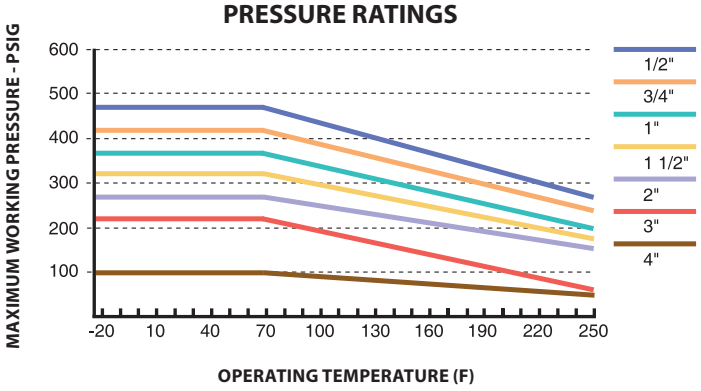
- Open-pitched, helical convolutions for easy cleaning
- Rated for both medium pressure and full vacuum applications
- Crush resistant and easy to flex
- Tighter bend radii than smooth bore alternatives
- Abrasion resistant braid
- Reduced risk of hand injury from metal braids

Applications

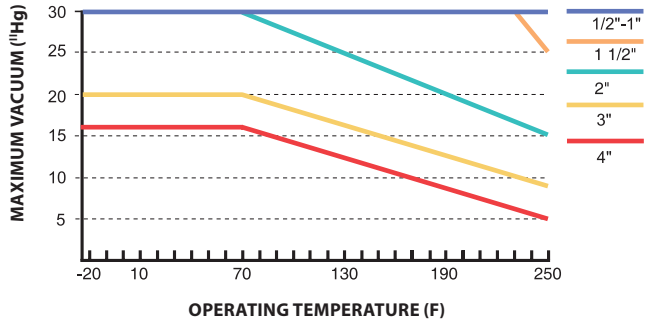
For pharmaceutical, chemical, food and beverage, and other applications requiring an extremely flexible, lightweight *Teflon*® PTFE hose assembly, with better abrasion resistance than metal braids.

Fittings: Crimped

PRESSURE RATINGS



VACUUM RATINGS



Note: Hose assembly pressure ratings may be limited by the fittings.
Note: Vacuum ratings are based on testing done on straight assemblies. Bent assemblies may have reduced vacuum resistance.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs/ Foot
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.855	21.7	2	50.8	475	32.7	1900	131	.10
3/4	20	0.760	19.3	1.160	29.5	2.75	69.9	425	29.3	1700	117.2	.18
1	25	1.025	26	1.440	36.6	4	101.6	375	25.8	1500	103.4	.26
1-1/2	40	1.525	38.7	2.155	54.7	6	152.4	325	22.4	1300	89.6	.46
2	50	2.025	51.4	2.560	65.0	7.5	190.5	275	19	1100	75.8	.52
3	75	2.952	75	3.922	99.6	14	355.6	225	15.5	900	62	1.12
4	100	3.937	100	5.221	132.6	16	406.4	100	6.9	400	27.6	1.98

CPBF–W Convoluted Polypropylene Braided

Inner core: Seamless white convoluted *Teflon*® PTFE
Reinforcement: Blue polypropylene, UV-stabilized braid
Temperature: -20 °F to 250 °F

Construction

Seamless helically formed convoluted Teflon® PTFE tube reinforced with polypropylene braid and flare thru fittings.

Benefits

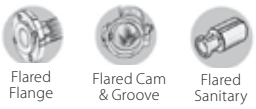
In addition to the benefits of our CPB Style

- Flare thru system allows Teflon® PTFE protection of all wetted surfaces, eliminating metal corrosion and process contamination

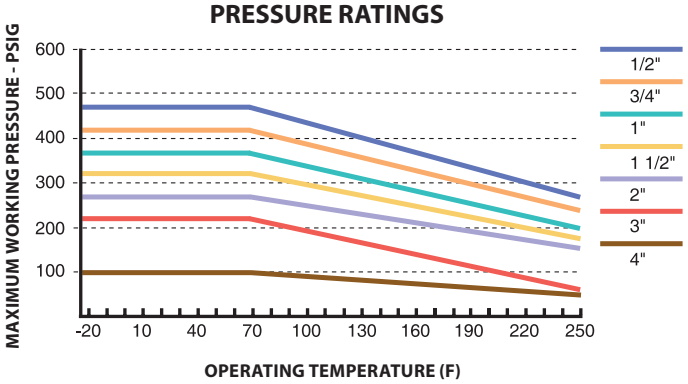
Applications

For pharmaceutical, chemical, food and beverage, or any application requiring an extremely flexible, lightweight *Teflon*® PTFE hose with no metal exposure to the media.

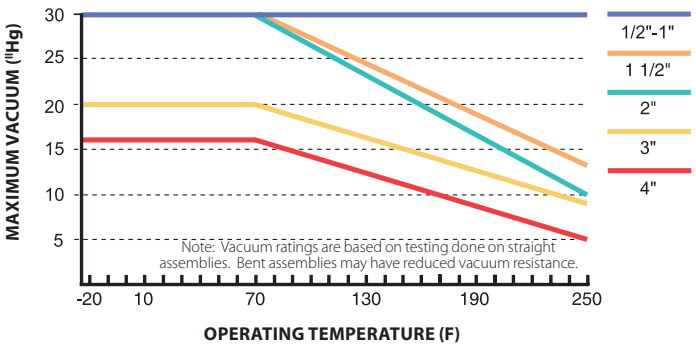
Fitting: Flare Thru



PRESSURE RATINGS



VACUUM RATINGS



Note: Hose assembly pressure ratings may be limited by the fittings.
Note: Vacuum ratings are based on testing done on straight assemblies. Bent assemblies may have reduced vacuum resistance.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs/ Foot
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.855	21.7	2	50.8	475	32.7	1900	131	.10
3/4	20	0.760	19.3	1.160	29.5	2.75	69.9	425	29.3	1700	117.2	.18
1	25	1.025	26	1.440	36.6	4	101.6	375	25.8	1500	103.4	.26
1-1/2*	40	1.525	38.7	2.155	54.7	6	152.4	325	22.4	1300	89.6	.46
2*	50	2.025	51.4	2.560	65.0	7.5	190.5	275	19	1100	75.8	.52
3	75	2.952	75	3.922	99.6	14	355.6	225	15.5	900	62	1.12
4	100	3.937	100	5.221	132.6	16	406.4	100	6.9	400	27.6	1.98

Note: * 1-1/2" and 2" flare thru assemblies with sanitary fittings have reduced nominal size to ensure ID alignment with SS sanitary tubing.

CWPB–W Convoluted Polypropylene Braided

Inner core: Seamless convoluted white *Teflon*® PTFE
Reinforcement: Blue polypropylene, UV-stabilized braid
Temperature: -20 °F to 250 °F

Construction

Seamless helically formed convoluted Teflon® PTFE tube reinforced with polypropylene braid and crimped fittings.

Benefits

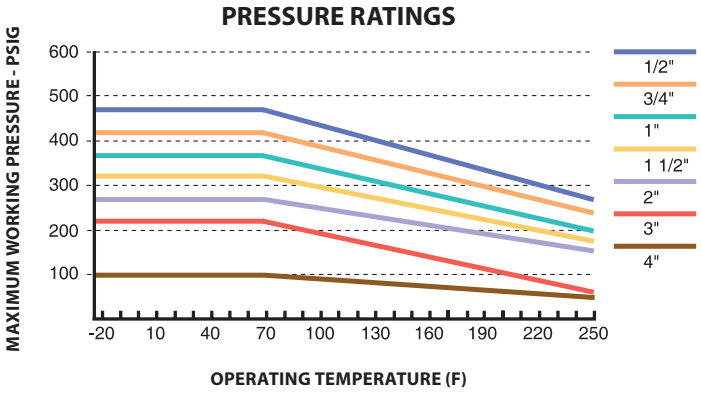
- Open-pitched, helical convolutions for easy cleaning
- Rated for both medium pressure and full vacuum applications
- Crush resistant and easy to flex
- Tighter bend radii than smooth bore alternatives
- Abrasion resistant braid
- Reduced risk of hand injury from metal braids
- Wire wrap provides improved crush resistance, kink resistance, and bend radius

Applications

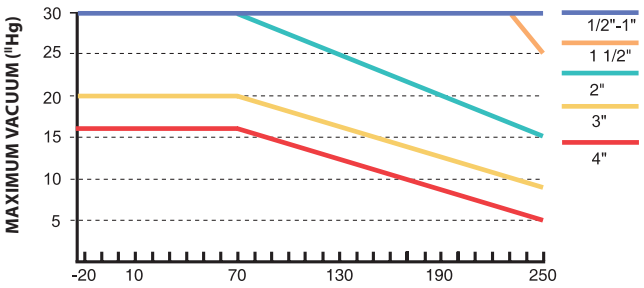
For pharmaceutical, chemical, food and beverage, and other applications requiring an extremely flexible, lightweight *Teflon*® PTFE hose assembly, with better abrasion resistance than metal braids.

Fittings: Crimped

PRESSURE RATINGS



VACUUM RATINGS



Note: Hose assembly pressure ratings may be limited by the fittings.
Note: Vacuum ratings are based on testing done on straight assemblies. Bent assemblies may have reduced vacuum resistance. Wire wrap improves this to a degree.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs/ Foot
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.855	21.7	0.5	12.7	475	32.7	1900	131	.10
3/4	20	0.760	19.3	1.160	29.5	0.75	19.1	425	29.3	1700	117.2	.18
1	25	1.025	26	1.440	36.6	1	25.4	375	25.8	1500	103.4	.26
1-1/2*	40	1.525	38.7	2.155	54.7	1.5	38.1	325	22.4	1300	89.6	.46
2*	50	2.025	51.4	2.560	65.0	2	50.8	275	19	1100	75.8	.52
3	75	2.952	75	3.922	99.6	3	76.2	225	15.5	900	62	1.12
4	100	3.937	100	5.221	132.6	4	101.6	100	6.9	400	27.6	1.98

CWPBF–W Convoluted Polypropylene Braided

Inner core: Seamless white convoluted *Teflon*® PTFE
Reinforcement: Blue polypropylene, UV-stabilized braid
Temperature: -20 °F to 250 °F

Construction

Seamless helically formed convoluted Teflon® PTFE tube reinforced with polypropylene braid and flare thru fittings.

Benefits

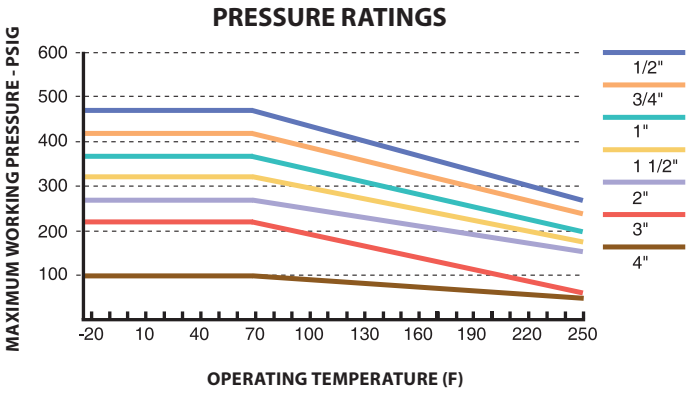
In addition to the benefits of our CPB Style

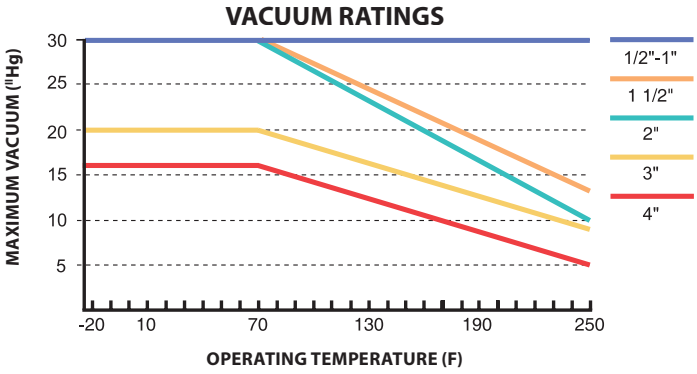
- Flare thru system allows Teflon® PTFE protection of all wetted surfaces, eliminating metal corrosion and process contamination
- Wire wrap provides improved crush resistance, kink resistance, and bend radius

Applications

For pharmaceutical, chemical, food and beverage, or any application requiring an extremely flexible, lightweight *Teflon*® PTFE hose with no metal exposure to the media.

Fitting: Flare Thru





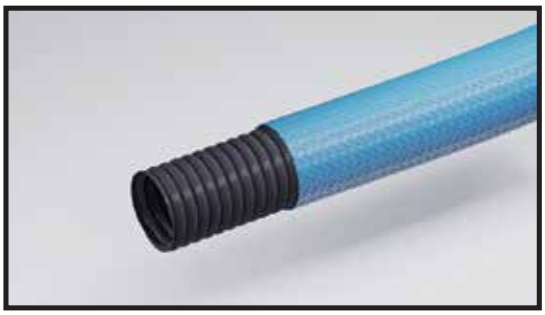
Note: Hose assembly pressure ratings may be limited by the fittings.
Note: Vacuum ratings are based on testing done on straight assemblies. Bent assemblies may have reduced vacuum resistance.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs/ Foot
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.855	21.7	0.5	12.7	475	32.7	1900	131	.10
3/4	20	0.760	19.3	1.160	29.5	0.75	19.1	425	29.3	1700	117.2	.18
1	25	1.025	26	1.440	36.6	1	25.4	375	25.8	1500	103.4	.26
1-1/2*	40	1.525	38.7	2.155	54.7	1.5	38.1	325	22.4	1300	89.6	.46
2*	50	2.025	51.4	2.560	65.0	2	50.8	275	19	1100	75.8	.52
3	75	2.952	75	3.922	99.6	3	76.2	225	15.5	900	62	1.12
4	100	3.937	100	5.221	132.6	4	101.6	100	6.9	400	27.6	1.98

Note: * 1-1/2" and 2" flare thru assemblies with sanitary fittings have reduced nominal size to ensure ID alignment with SS sanitary tubing.

CPB–B Convoluted Polypropylene Braided

Inner core: Seamless convoluted antistatic *Teflon*® PTFE
Reinforcement: Blue polypropylene, UV-stabilized braid
Temperature: -20 °F to 250 °F



Construction

Seamless helically formed convoluted Teflon® PTFE tube reinforced with polypropylene braid and crimped fittings.

Benefits

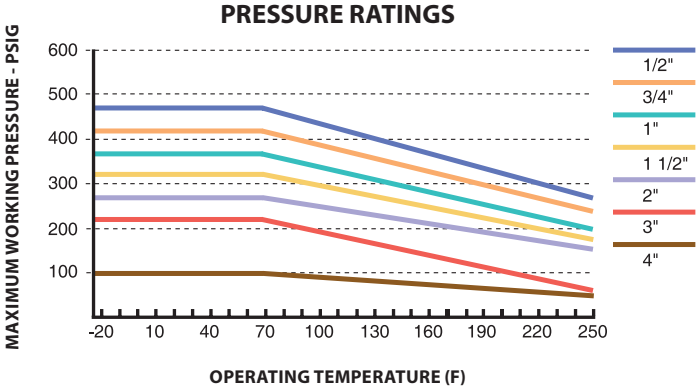
- Open-pitched, helical convolutions for easy cleaning
- Rated for both medium pressure and full vacuum applications
- Crush resistant and easy to flex
- Tighter bend radii than smooth bore alternatives
- Abrasion resistant braid
- Reduced risk of hand injury from metal braids

Applications

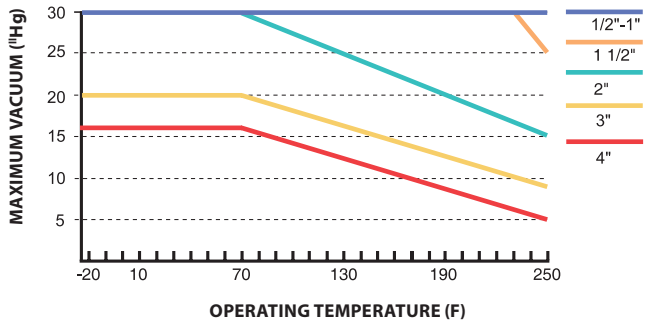
For pharmaceutical, chemical, food and beverage, and other applications requiring an extremely flexible, lightweight *Teflon*® PTFE hose assembly, with better abrasion resistance than metal braids.

Fittings: Crimped

PRESSURE RATINGS



VACUUM RATINGS



Note: Hose assembly pressure ratings may be limited by the fittings.
Note: Vacuum ratings are based on testing done on straight assemblies. Bent assemblies may have reduced vacuum resistance.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs/ Foot
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.855	21.7	2	50.8	475	32.7	1900	131	.10
3/4	20	0.760	19.3	1.160	29.5	2.75	69.9	425	29.3	1700	117.2	.18
1	25	1.025	26	1.440	36.6	4	101.6	375	25.8	1500	103.4	.26
1-1/2	40	1.525	38.7	2.155	54.7	6	152.4	325	22.4	1300	89.6	.46
2	50	2.025	51.4	2.560	65.0	7.5	190.5	275	19	1100	75.8	.52
3	75	2.952	75	3.922	99.6	14	355.6	225	15.5	900	62	1.12
4	100	3.937	100	5.221	132.6	16	406.4	100	6.9	400	27.6	1.98

CPBF–B Convoluted Polypropylene Braided

Inner core: Seamless antistatic convoluted *Teflon*® PTFE
Reinforcement: Blue polypropylene, UV-stabilized braid
Temperature: -20 °F to 250 °F

Construction

Seamless helically formed convoluted antistatic Teflon® PTFE tube reinforced with polypropylene braid and flare thru fittings.

Benefits

In addition to the benefits of our CPB Style

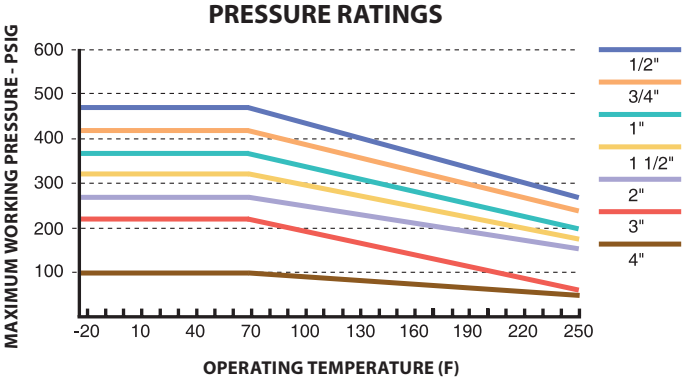
- Flare thru system allows Teflon® PTFE protection of all wetted surfaces, eliminating metal corrosion and process contamination

Applications

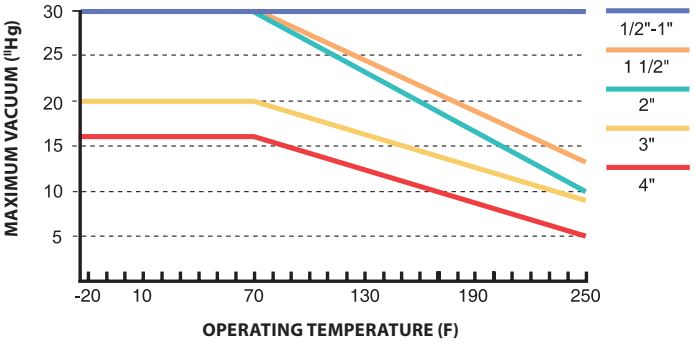
For pharmaceutical, chemical, food and beverage, or any application requiring an extremely flexible, lightweight *Teflon*® PTFE hose with no metal exposure to the media.

Fitting: Flare Thru

PRESSURE RATINGS



VACUUM RATINGS



Note: Hose assembly pressure ratings may be limited by the fittings.
Note: Vacuum ratings are based on testing done on straight assemblies.
Bent assemblies may have reduced vacuum resistance. Wire wrap improves this to a degree.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs/ Foot
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.855	21.7	2	50.8	475	32.7	1900	131	.10
3/4	20	0.760	19.3	1.160	29.5	2.75	69.9	425	29.3	1700	117.2	.18
1	25	1.025	26	1.440	36.6	4	101.6	375	25.8	1500	103.4	.26
1-1/2*	40	1.525	38.7	2.155	54.7	6	152.4	325	22.4	1300	89.6	.46
2*	50	2.025	51.4	2.560	65.0	7.5	190.5	275	19	1100	75.8	.52
3	75	2.952	75	3.922	99.6	14	355.6	225	15.5	900	62	1.12
4	100	3.937	100	5.221	132.6	16	406.4	100	6.9	400	27.6	1.98

Note: * 1-1/2" and 2" flare thru assemblies with sanitary fittings have reduced nominal size to ensure ID alignment with SS sanitary tubing.

CWPB–B Convoluted Polypropylene Braided

Inner core: Seamless convoluted antistatic *Teflon*® PTFE
Reinforcement: Blue polypropylene, UV-stabilized braid
Temperature: -20 °F to 250 °F

Construction

Seamless helically formed convoluted Teflon® PTFE tube reinforced with polypropylene braid and crimped fittings.

Benefits

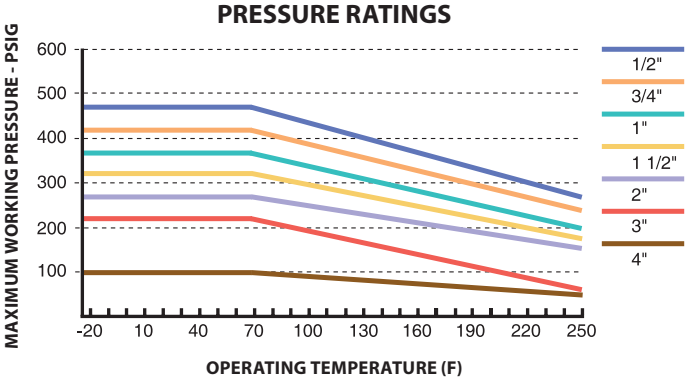
- Open-pitched, helical convolutions for easy cleaning
- Rated for both medium pressure and full vacuum applications
- Crush resistant and easy to flex
- Tighter bend radii than smooth bore alternatives
- Abrasion resistant braid
- Reduced risk of hand injury from metal braids

Applications

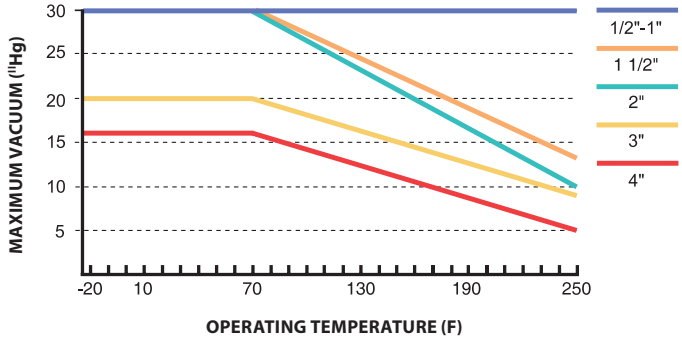
For pharmaceutical, chemical, food and beverage, and other applications requiring an extremely flexible, lightweight *Teflon*® PTFE hose assembly, with better abrasion resistance than metal braids.

Fittings: Crimped

PRESSURE RATINGS



VACUUM RATINGS



Note: Hose assembly pressure ratings may be limited by the fittings.
Note: Vacuum ratings are based on testing done on straight assemblies. Bent assemblies may have reduced vacuum resistance.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs/ Foot
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.855	21.7	0.5	12.7	475	32.7	1900	131	.10
3/4	20	0.760	19.3	1.160	29.5	0.75	19.1	425	29.3	1700	117.2	.18
1	25	1.025	26	1.440	36.6	1	25.4	375	25.8	1500	103.4	.26
1-1/2	40	1.525	38.7	2.155	54.7	1.5	38.1	325	22.4	1300	89.6	.46
2	50	2.025	51.4	2.560	65.0	2	50.8	275	19	1100	75.8	.52
3	75	2.952	75	3.922	99.6	3	76.2	225	15.5	900	62	1.12
4	100	3.937	100	5.221	132.6	4	101.6	100	6.9	400	27.6	1.98

CWPBF–B Convoluted Polypropylene Braided

Inner core: Seamless antistatic convoluted *Teflon*® PTFE
Reinforcement: Blue polypropylene, UV-stabilized braid
Temperature: -20 °F to 250 °F

Construction

Seamless helically formed convoluted Teflon® PTFE tube reinforced with polypropylene braid and flare thru fittings.

Benefits

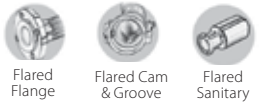
In addition to the benefits of our CPB Style

- Flare thru system allows Teflon® PTFE protection of all wetted surfaces, eliminating metal corrosion and process contamination
- Wire wrap provides improved crush resistance, kink resistance, and bend radius

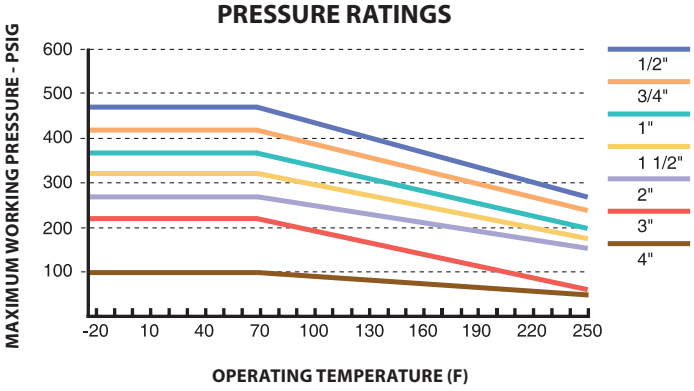
Applications

For pharmaceutical, chemical, food and beverage, or any application requiring an extremely flexible, lightweight *Teflon*® PTFE hose with no metal exposure to the media.

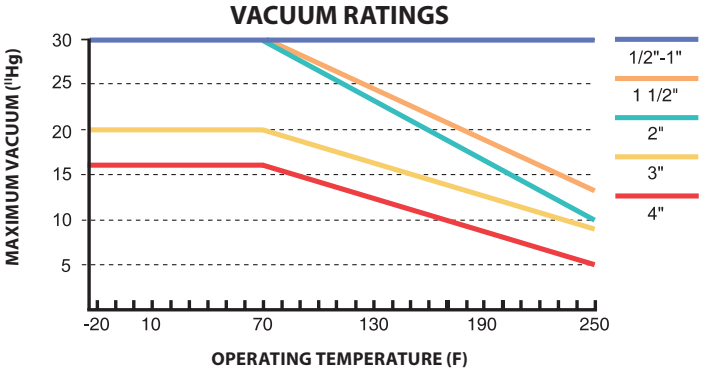
Fitting: Flare Thru



PRESSURE RATINGS



VACUUM RATINGS



Note: Hose assembly pressure ratings may be limited by the fittings.
Note: Vacuum ratings are based on testing done on straight assemblies.
Bent assemblies may have reduced vacuum resistance. Wire wrap improves this to a degree.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs/ Foot
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.855	21.7	0.5	12.7	475	32.7	1900	131	.10
3/4	20	0.760	19.3	1.160	29.5	0.75	19.1	425	29.3	1700	117.2	.18
1	25	1.025	26	1.440	36.6	1	25.4	375	25.8	1500	103.4	.26
1-1/2*	40	1.525	38.7	2.155	54.7	1.5	38.1	325	22.4	1300	89.6	.46
2*	50	2.025	51.4	2.560	65.0	2	50.8	275	19	1100	75.8	.52
3	75	2.952	75	3.922	99.6	3	76.2	225	15.5	900	62	1.12
4	100	3.937	100	5.221	132.6	4	101.6	100	6.9	400	27.6	1.98

Note: * 1-1/2" and 2" flare thru assemblies with sanitary fittings have reduced nominal size to ensure ID alignment with SS sanitary tubing.

CHB–W Convoluted HASTELLOY® Braided

Inner core: Seamless convoluted white *Teflon*® PTFE
Reinforcement: HASTELLOY® braid
Temperature: 1/2" and 1" sizes: -100 °F to 350 °F
1 1/2" and 2" sizes: -20 °F to 350 °F

Construction

Seamless helically formed convoluted Teflon® PTFE tube reinforced with HASTELLOY® wire braid and crimped fittings. A red tracer in the braid indicates HASTELLOY®.

Benefits

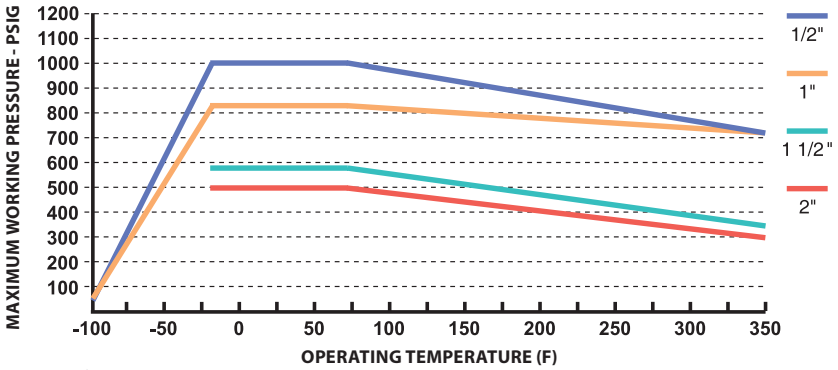
- Teflon® PTFE inner core provides outstanding corrosion resistance and material compatibility
- Open pitch, helica l convolutions allow for smooth product flow and easy cleaning
- One product rated for both medium pressure and full vacuum applications
- Wide variety of crimp style end fittings in various metallurgies
- Tighter bend radii compared to smooth bore hose styles

Applications

Versatile design used where light in weight and very flexible connections are needed to transfer corrosive, hazardous or other media. Wide variety of crimp style fittings allow for use in many types of applications and industries, including chemical processing, pharmaceuticals, corn processing, food and beverage, flavors and fragrances and others.

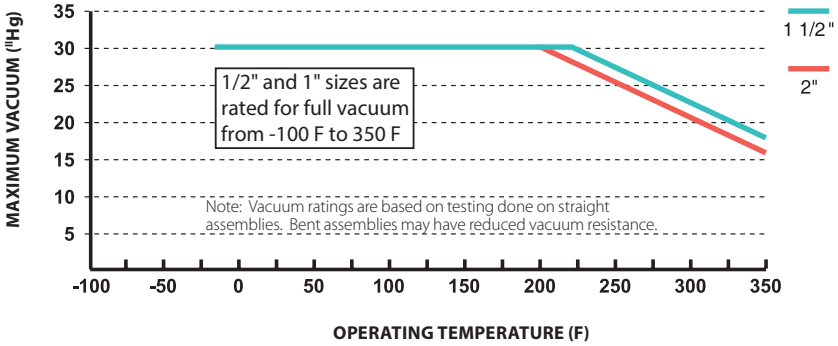
Fittings: Crimped

PRESSURE RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings and options.

VACUUM RATINGS



Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs/ Feet
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.748	19.0	2.00	50.8	1000	69.0	5000	344.8	.20
1	25	1.025	26	2.034	51.7	6.00	152.4	590	40.7	2950	203.4	.82
1-1/2	40	1.525	38.7	2.464	62.6	7.50	190.5	500	34.5	2500	172.4	1.12
2	50	2.025	51.4	2.464	62.6	7.5	190.5	525	36.2	2625	181	1.12

HASTELLOY® is a registered trademark of Haynes International.

CHB–B Convoluted HASTELLOY® Braided

Inner core: Seamless convoluted antistatic *Teflon*® PTFE
Reinforcement: HASTELLOY® braid
Temperature: -20 °F to 350 °F

Construction

Seamless helically formed convoluted Teflon® PTFE tube reinforced with HASTELLOY® wire braid and crimped fittings. A red tracer in the braid indicates HASTELLOY®.

Benefits

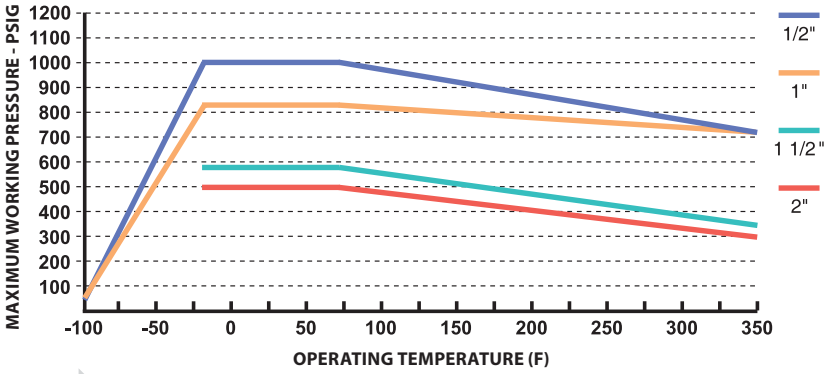
- Teflon® PTFE inner core provides outstanding corrosion resistance and material compatibility
- Open pitch, helical convolutions allow for smooth product flow and easy cleaning
- One product rated for both medium pressure and full vacuum applications
- Wide variety of crimp style end fittings in various metallurgies
- Tighter bend radii compared to smooth bore hose styles

Applications

Versatile design used where light in weight and very flexible connections are needed to transfer corrosive, hazardous or other media. Wide variety of crimp style fittings allow for use in many types of applications and industries, including chemical processing, pharmaceuticals, corn processing, food and beverage, flavors and fragrances and others.

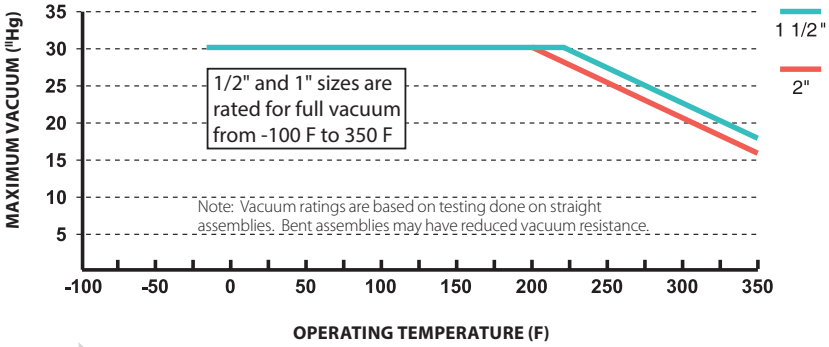
Fittings: Crimped

PRESSURE RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings and options.

VACUUM RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings and options.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs/ Feet
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.748	19.0	2.00	50.8	1000	69.0	5000	344.8	.20
1	25	1.025	26	1.354	34.4	4.00	101.6	820	56.6	4100	282.8	.48
1-1/2	40	1.525	38.7	2.034	51.7	6.00	152.4	590	40.7	2950	203.4	.82
2	50	2.025	51.4	2.464	62.6	7.50	190.5	500	34.5	2500	172.4	1.12

HASTELLOY® is a registered trademark of Haynes International.

CKB–W Convoluted KYNAR® PVDF Braided

Inner core: Seamless convoluted white *Teflon*® PTFE
Reinforcement: KYNAR® PVDF heavy double braid
Temperature: -20 °F to 275 °F

Construction

Extra-thick, natural or conductive seamless helical convoluted *Teflon*® PTFE liner double braided with KYNAR® PVDF monofilament heavy gauge braid.

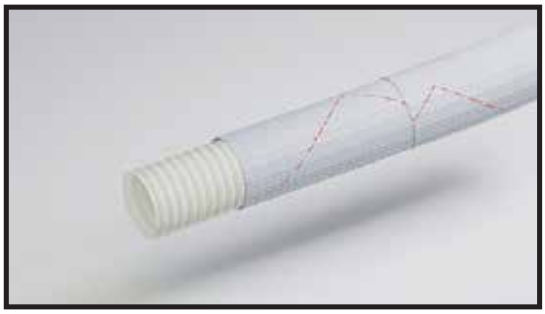
Benefits

- KYNAR® PVDF braid is resistant to most chemicals introduced to the external surface of the hose through typical usage
- Teflon® PTFE inner core provides outstanding corrosion resistance and material compatibility
- Open pitch, helical convolutions allow for smooth product flow and easy cleaning
- Rated for both medium pressure and full vacuum applications
- Wide variety of crimp style end fittings in various metallurgies
- 5:1 factor of safety
- Tighter bend radii compared to smooth bore hose styles

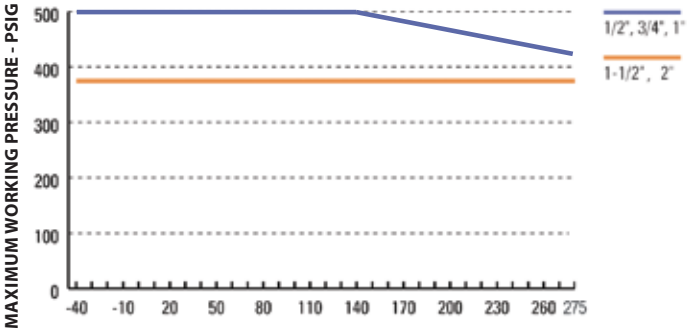
Applications

For low pH (<9) applications requiring an extremely flexible, lightweight *Teflon*® PTFE hose assembly conveying chemicals that permeate aggressively, or for harsh atmospheric conditions that require extreme corrosion resistance on the exterior of the assembly.

Fittings: Crimped

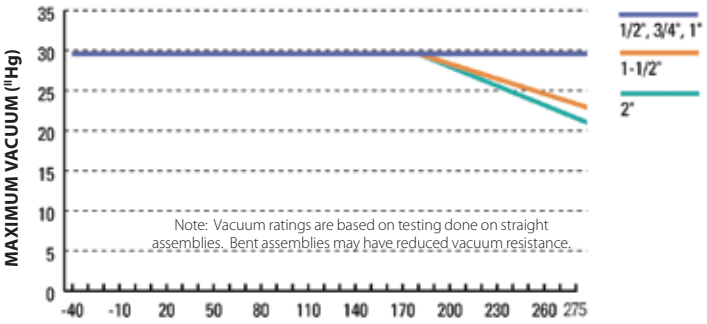


PRESSURE RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings.

VACUUM RATINGS



Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Foot
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.960	24.9	2	50.8	500	34.5	2500	172.4	.15
3/4	20	0.760	19.3	1.250	31.8	2.5	69.9	500	34.5	2500	172.4	.25
1	25	1.025	26	1.560	39.6	6	101.6	500	34.5	2500	172.4	.33
1-1/2	40	1.525	38.7	2.240	56.9	10	152.4	375	25.9	1875	129.3	.60
2	50	2.025	51.4	2.670	67.8	12	190.5	375	17.2	1875	86.2	.80

KYNAR® is a registered trademark of Arkema Inc.

CKB–B Convoluted KYNAR® PVDF Braided

Inner core: Seamless convoluted antistatic *Teflon*® PTFE

Reinforcement: KYNAR® PVDF heavy double braid

Temperature: -20 °F to 275 °F

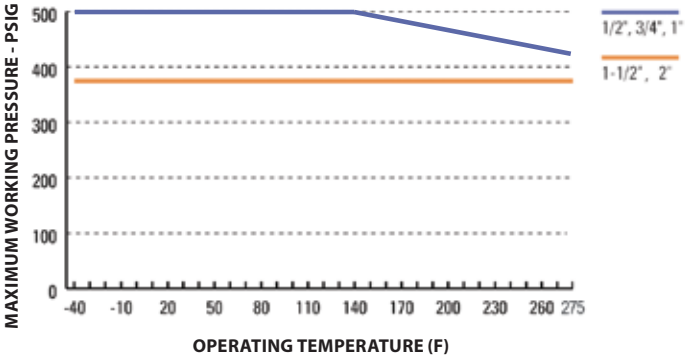
■ Construction

Extra-thick, natural or conductive seamless helical convoluted *Teflon*® PTFE liner braided with KYNAR® PVDF monofilament heavy gauge wire braid.

■ Benefits

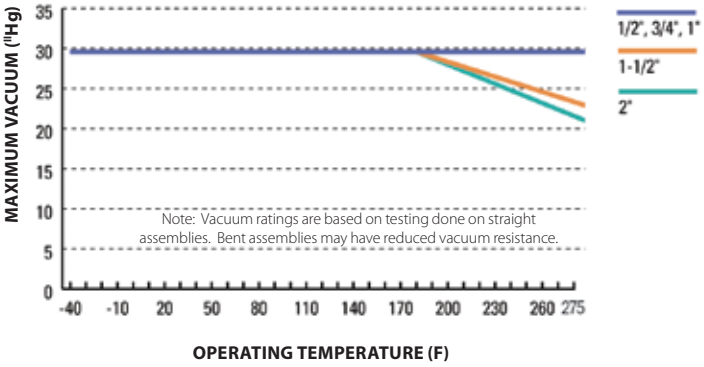
- KYNAR® PVDF braid is resistant to most chemicals introduced to the external surface of the hose through typical usage
- Teflon® PTFE inner core provides outstanding corrosion resistance and material compatibility
- Open pitch, helical convolutions allow for smooth product flow and easy cleaning
- Rated for both medium pressure and full vacuum applications
- Wide variety of crimp style end fittings in various metallurgies
- PTFE available with natural or conductive liner
- Tighter bend radii compared to smooth bore hose styles

PRESSURE RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings.

VACUUM RATINGS



■ Applications

For applications requiring an extremely flexible, lightweight *Teflon*® PTFE hose assembly conveying chemicals that permeate aggressively, or for harsh atmospheric conditions that require extreme corrosion resistance on the exterior of the assembly.

■ Fittings: Crimped

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Foot
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.960	24.9	2	50.8	500	34.5	2500	172.4	.15
3/4	20	0.760	19.3	1.250	31.8	2.5	69.9	500	34.5	2500	172.4	.25
1	25	1.025	26	1.560	39.6	6	101.6	500	34.5	2500	172.4	.33
1-1/2	40	1.525	38.7	2.240	56.9	10	152.4	375	25.9	1875	129.3	.60
2	50	2.025	51.4	2.670	67.8	12	190.5	375	17.2	1875	86.2	.80

KYNAR® is a registered trademark of Arkema Inc.

SVT–W Seamless Vent Tubing Assembly

Inner core: Seamless convoluted *Teflon*® PTFE
Temperature: -20 °F to 350 °F

Construction

Seamless, helically formed convoluted Teflon® PTFE tube. Offered as tubing with cuffed ends, as well as a variety of crimped or flare thru fittings. .

Benefits

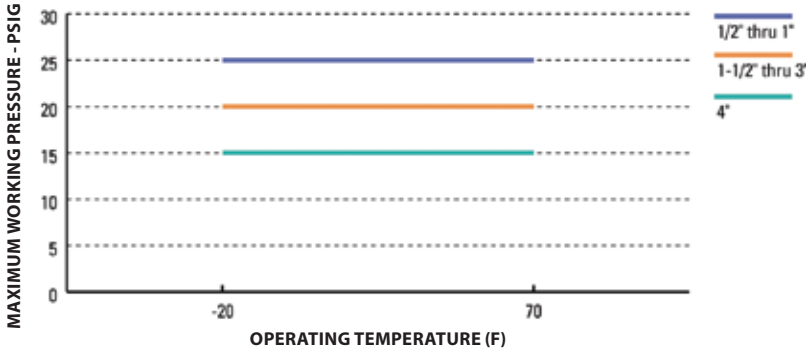
- Seamless Teflon® PTFE tube formed in an open pitched, helical design for improved flow properties and easy cleaning
- Wide variety of crimp style fittings to select from
- Flare thru fittings provide PTFE protection to all wetted surfaces, eliminating metal corrosion and process contamination
- Tube is crush resistant and easy to flex

Applications

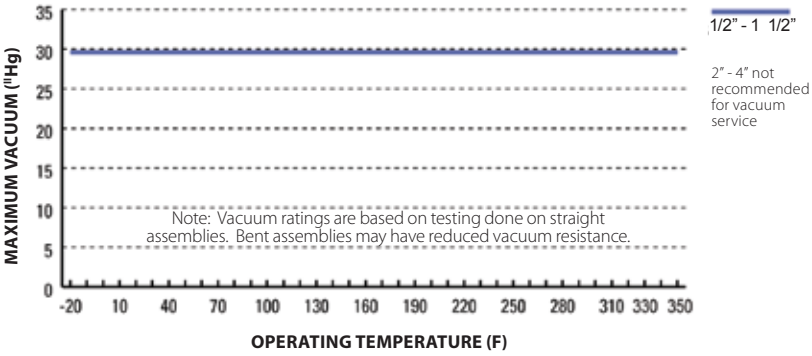
SVT is ideal for lower pressure and corrosion resistant flexible connections. It is an excellent connection to weight tanks, centrifuges and suction side of pumps, and for loading, unloading and decanting vessels and drums.

Fittings: Crimped and Flare Thru

PRESSURE RATINGS



VACUUM RATINGS



Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Ft
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.700	17.8	2	50.8	25	1.7	100	6.9	.08
3/4	20	0.760	19.3	0.990	25.1	2	50.8	25	1.7	100	6.9	.11
1	25	1.025	26	1.280	32.5	3	76.2	25	1.7	100	6.9	.14
1-1/2	40	1.525	38.7	1.960	49.8	4.5	114.3	20	1.4	80	5.5	.40
2	50	2.025	51.4	2.390	60.7	8	203.2	20	1.4	80	5.5	.50
3	80	2.952	75	3.622	92.0	14	355.6	20	1.4	80	5.5	.94
4	100	3.937	100	4.921	125.0	20	508.0	15	1.0	60	4.1	1.47

SWVT–W Seamless Vent Tubing Assembly

Inner core: Seamless convoluted *Teflon*® PTFE
Temperature: -20 °F to 350 °F

Construction

Seamless, helically formed convoluted Teflon® PTFE tube. Offered as tubing with cuffed ends, variety of crimp style end fittings and flare thru end fittings.

Benefits

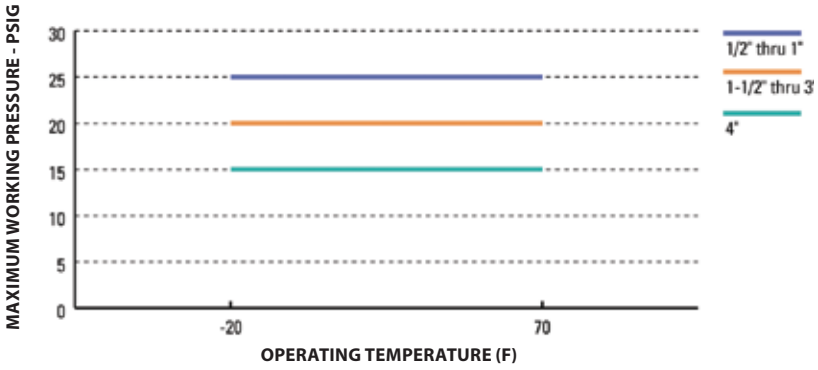
- Seamless Teflon® PTFE tube formed in an open pitched, helical design for improved flow properties and easy cleaning
- Wide variety of crimp style fittings to select from
- Flare thru fittings provide PTFE protection to all wetted surfaces, eliminating metal corrosion and process contamination
- Tube is crush resistant and easy to flex
- PTFE available with natural or conductive liner
- Wire wrap for reduced bend radius, allowing for even tighter bending

Applications

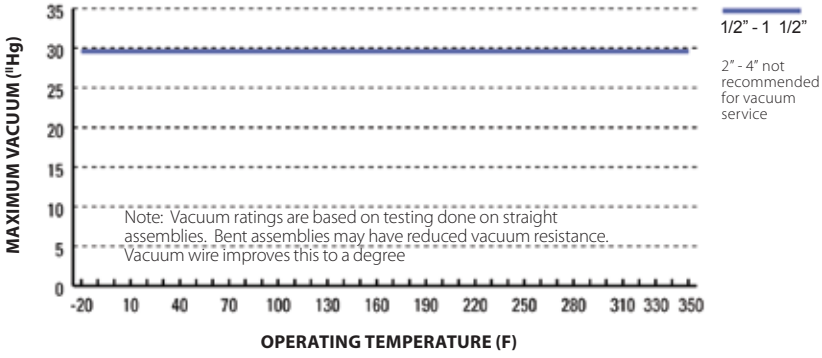
SVT is ideal for lower pressure and corrosion resistant flexible connections. It is an excellent connection to weight tanks, centrifuges and suction side of pumps, and for loading, unloading and decanting vessels and drums.

Fittings: Crimped and Flare Thru

PRESSURE RATINGS



VACUUM RATINGS



Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Ft
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.700	17.8	0.5	12.7	25	1.7	100	6.9	.08
3/4	20	0.760	19.3	0.990	25.1	0.75	19.1	25	1.7	100	6.9	.11
1	25	1.025	26	1.280	32.5	1	25.4	25	1.7	100	6.9	.14
1-1/2	40	1.525	38.7	1.960	49.8	1.5	38.1	20	1.4	80	5.5	.40
2	50	2.025	51.4	2.390	60.7	2	50.8	20	1.4	80	5.5	.50
3	80	2.952	75	3.622	92.0	3	76.2	20	1.4	80	5.5	.94
4	100	3.937	100	4.921	125.0	4	101.6	15	1.0	60	4.1	1.47

SVT–B Seamless Vent Tubing Assembly

Inner core: Seamless convoluted antistatic *Teflon*® PTFE
Temperature: -20 °F to 350 °F

Construction

Seamless, helically formed convoluted Teflon® PTFE tube. Offered as tubing with cuffed ends, variety of crimp style end fittings and Flared Thru end fittings.

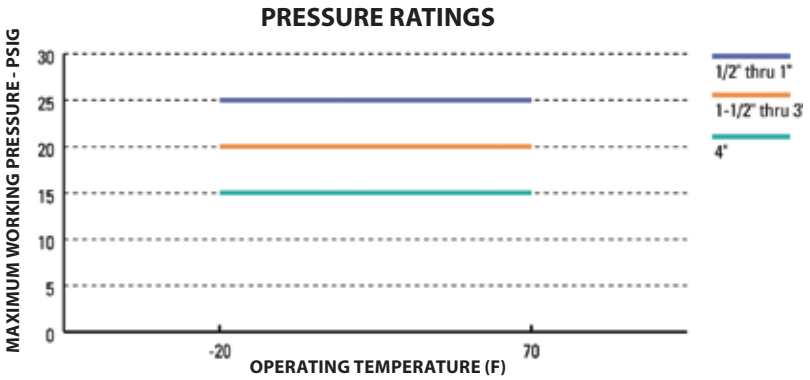
Benefits

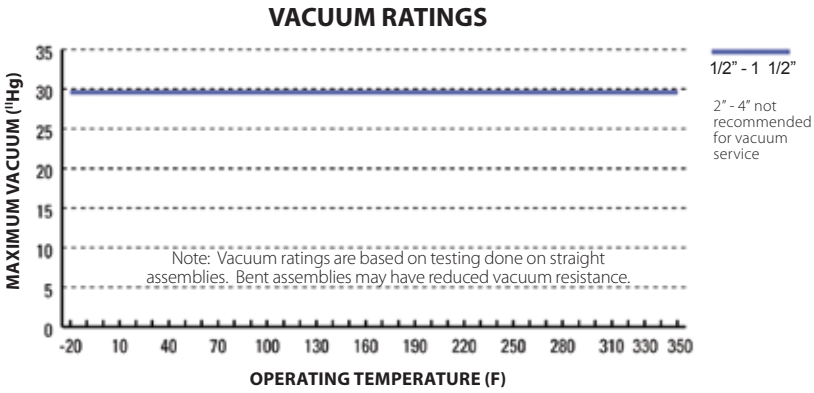
- Seamless Teflon® PTFE tube formed in an open pitched, helical design for improved flow properties and easy cleaning
- Wide variety of crimp style fittings to select from
- Flared Thru fittings provide PTFE protection to all wetted surfaces, eliminating metal corrosion and process contamination
- Tube is crush resistant and easy to flex

Applications

SVT is ideal for lower pressure and corrosion resistant flexible connections. It is an excellent connection to weight tanks, centrifuges and suction side of pumps, and for loading, unloading and decanting vessels and drums.

Fittings: Crimped and Flare Thru





Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Ft
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.700	17.8	0.5	12.7	25	1.7	100	6.9	.08
3/4	20	0.760	19.3	0.990	25.1	0.75	19.1	25	1.7	100	6.9	.11
1	25	1.025	26	1.280	32.5	1	25.4	25	1.7	100	6.9	.14
1-1/2	40	1.525	38.7	1.960	49.8	1.5	38.1	20	1.4	80	5.5	.40
2	50	2.025	51.4	2.390	60.7	2	50.8	20	1.4	80	5.5	.50
3	80	2.952	75	3.622	92.0	3	76.2	20	1.4	80	5.5	.94
4	100	3.937	100	4.921	125.0	4	101.6	15	1.0	60	4.1	1.47

SWVT–B Seamless Vent Tubing Assembly

Inner core: Seamless convoluted antistatic *Teflon*® PTFE

Temperature: -20 °F to 350 °F

Construction

Seamless, helically formed convoluted Teflon® PTFE tube. Offered as tubing with cuffed ends, variety of crimped and flare thru fittings.

Benefits

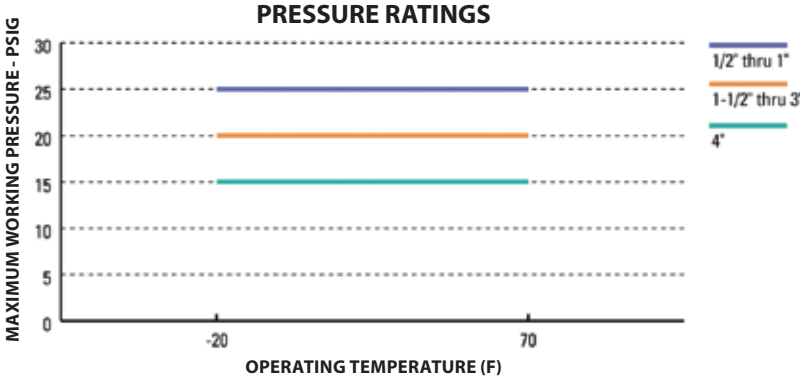
- Seamless antistatic Teflon® PTFE tube formed in an open pitched, helical design for improved flow properties and easy cleaning
- Wide variety of crimp style fittings to select from
- Flared Thru fittings provide PTFE protection to all wetted surfaces, eliminating metal corrosion and process contamination
- Tube is crush resistant and easy to flex
- PTFE available with natural or conductive liner
- Wire wrap for reduced bend radius, allowing for even tighter bending

Applications

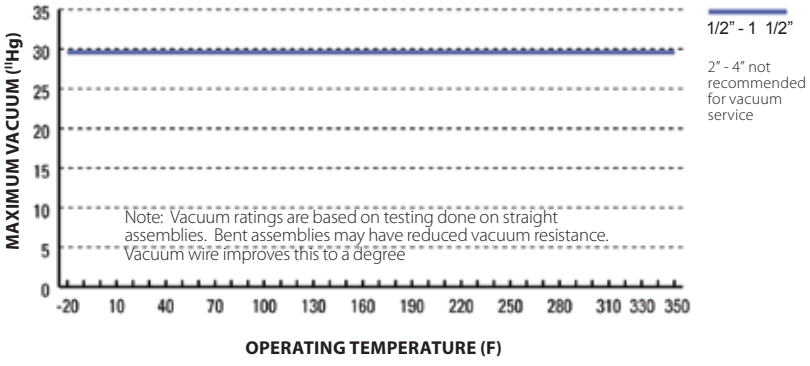
SVT is ideal for lower pressure and corrosion resistant flexible connections. It is an excellent connection to weight tanks, centrifuges and suction side of pumps, and for loading, unloading and decanting vessels and drums.

Fittings: Crimped and Flare Thru

PRESSURE RATINGS



VACUUM RATINGS



Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Ft
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.510	13	0.700	17.8	0.5	12.7	25	1.7	100	6.9	.08
3/4	20	0.760	19.3	0.990	25.1	0.75	19.1	25	1.7	100	6.9	.11
1	25	1.025	26	1.280	32.5	1	25.4	25	1.7	100	6.9	.14
1-1/2	40	1.525	38.7	1.960	49.8	1.5	38.1	20	1.4	80	5.5	.40
2	50	2.025	51.4	2.390	60.7	2	50.8	20	1.4	80	5.5	.50
3	80	2.952	75	3.622	92.0	3	76.2	20	1.4	80	5.5	.94
4	100	3.937	100	4.921	125.0	4	101.6	15	1.0	60	4.1	1.47

SBT - W Smooth Bore Hose

Inner core: Smooth White *Teflon*® PTFE
Reinforcement: 300-series ss braid
Temperature: -20 °F to 350 °F

Construction

Extra-thick, natural smooth bore *Teflon*® PTFE liner braided with 300-series stainless steel heavy gauge wire.

Benefits

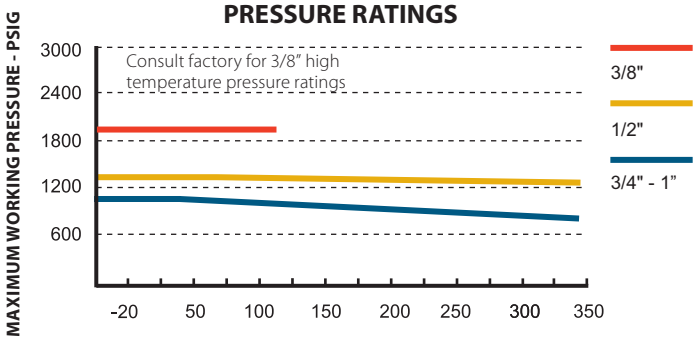
- Provides higher working temperatures and full vacuum capabilities
- Heavy gauge stainless steel braid is corrosion resistant against most chemicals
- Available in long lengths
- "True ID" for superior flow characteristics and easy dimensional matchup

Applications

Designed for applications requiring a true smooth inner bore for improved flow. The hose is easily cleaned in place. Excellent in stationary applications where handling, flexing or abuse is minimal.

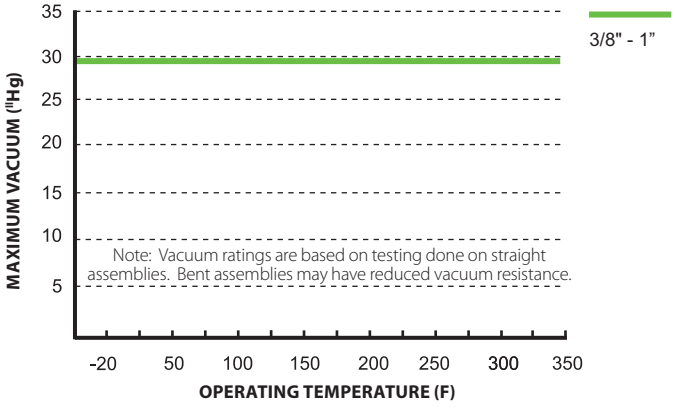
Fittings: Crimped

PRESSURE RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings.

VACUUM RATINGS



Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Ft
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
3/8	10	0.375	9.5	.515	13	5	127	2000	138	8000	552	.11
1/2	15	0.500	12.7	0.633	16.1	6.5	165.1	1425	98.2	5700	393	.16
3/4	20	0.750	19.1	0.875	22.2	8.2	208.3	1000	68.9	4000	275.8	.20
1	25	1.000	25.4	1.190	30.2	12	304.8	1000	68.9	4000	275.8	.50

SBTF - W Smoothbore Hose

Inner core: Smooth White *Teflon*® PTFE
Reinforcement: 300-series ss braid
Temperature: -20 °F to 350 °F

Construction

Extra-thick, natural smooth bore *Teflon*® PTFE liner braided with 300-series stainless steel heavy gauge wire (1" is double-braided for extra kink resistance).

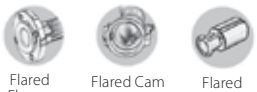
Benefits

- Provides higher working temperatures and full vacuum capabilities
- Heavy gauge stainless steel braid is corrosion resistant against most chemicals
- Flanged assemblies can be flare thru, eliminating bacteria traps
- Available in long lengths
- "True ID" for superior flow characteristics and easy dimensional matchup

Applications

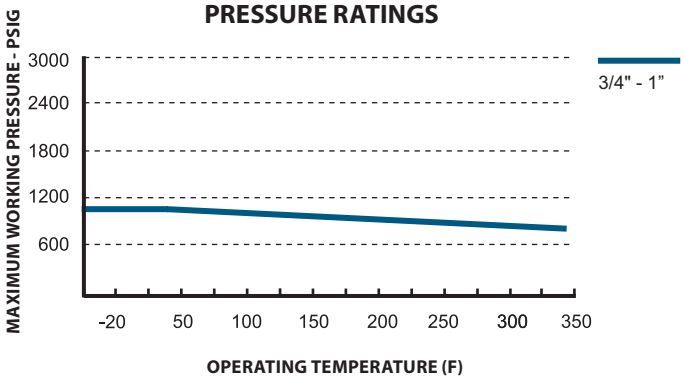
Designed for applications requiring a true smooth inner bore for improved flow and which is easily cleaned in place. Excellent in static applications where handling, flexing or abuse is minimal.

Fittings: Flare Thru



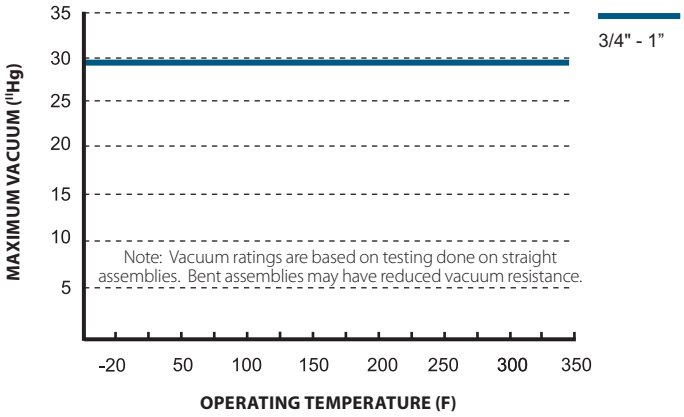
Flared Flange | Flared Cam & Groove | Flared Sanitary

PRESSURE RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings.

VACUUM RATINGS



Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Ft
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
3/4	20	0.750	19.1	0.875	22.2	8.2	208.3	1000	68.9	4000	275.8	.20
1	25	1.000	25.4	1.190	30.2	12	304.8	1000	68.9	4000	275.8	.50

SBT - B Smooth Bore Hose

Inner core: Smooth Antistatic *Teflon*® PTFE
Reinforcement: 300-series ss braid
Temperature: -20 °F to 350 °F

Construction

Extra-thick, smooth bore *Teflon*® PTFE liner braided with 300-series stainless steel heavy gauge wire.

Benefits

- Provides higher working temperatures and full vacuum capabilities
- Heavy gauge stainless steel braid is corrosion resistant against most chemicals
- Flanged assemblies can be "Flared Thru" providing no bacteria traps
- Available in long lengths
- "True ID" for superior flow characteristics and easy dimensional matchup

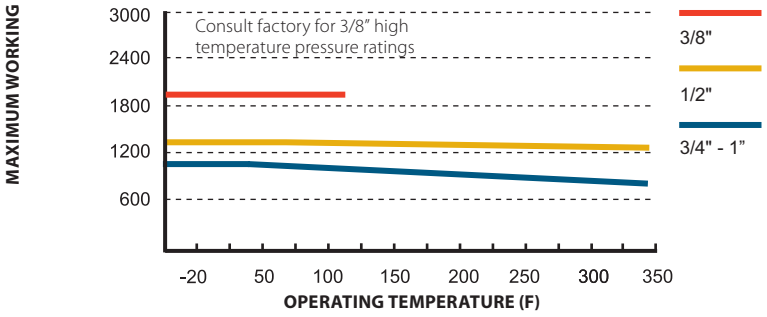
Applications

Designed for applications requiring a true smooth inner bore for improved flow and which is easily cleaned in place. Excellent in static applications where handling, flexing or abuse is minimal.

Fittings: Crimped

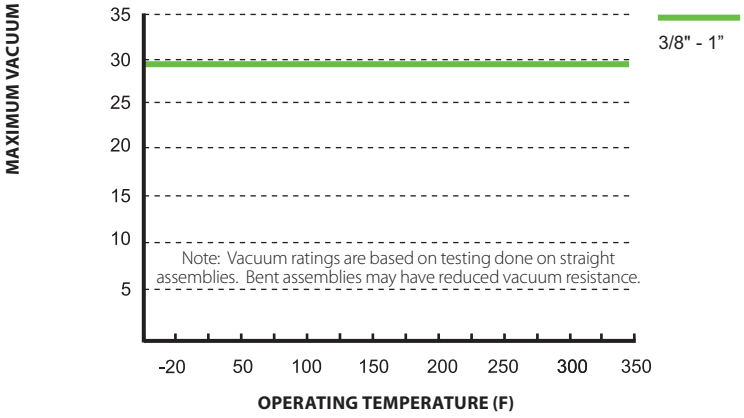
Threaded | Flanged | Cam & Groove | Sanitary | Industrial | Special

PRESSURE RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings.

VACUUM RATINGS



Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Ft
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
3/8	10	0.375	9.5	.515	13	5	127	2000	138	8000	552	.11
1/2	15	0.500	12.7	0.633	16.1	6.5	165.1	1425	98.2	5700	393	.16
3/4	20	0.750	19.1	0.875	22.2	8.2	208.3	1000	68.9	4000	275.8	.20
1	25	1.000	25.4	1.190	30.2	12	304.8	1000	68.9	4000	275.8	.50

SBTF - B Smoothbore Hose

Inner core: Smooth Antistatic *Teflon*® PTFE
Reinforcement: 300-series ss braid
Temperature: -20 °F to 350 °F

Construction

Extra-thick, antistatic smooth bore *Teflon*® PTFE liner braided with 300-series stainless steel heavy gauge wire.

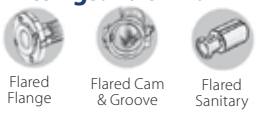
Benefits

- Provides higher working temperatures and full vacuum capabilities
- Heavy gauge stainless steel braid is corrosion resistant against most chemicals
- Flanged assemblies are flare thru, eliminating bacteria traps
- Available in long lengths
- "True ID" for superior flow characteristics and easy dimensional matchup

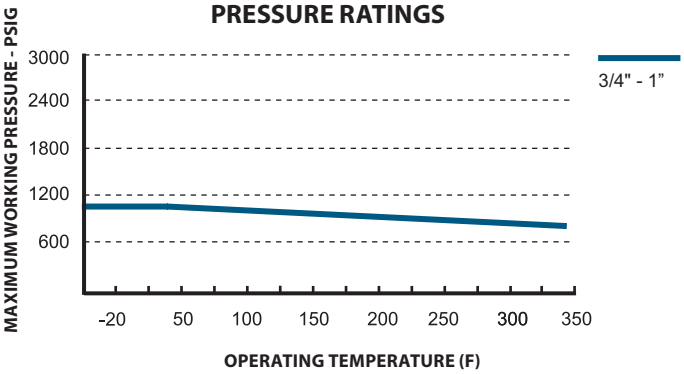
Applications

Designed for applications requiring a true smooth inner bore for improved flow and which is easily cleaned in place. Excellent in static applications where handling, flexing or abuse is minimal.

Fittings: Flare Thru

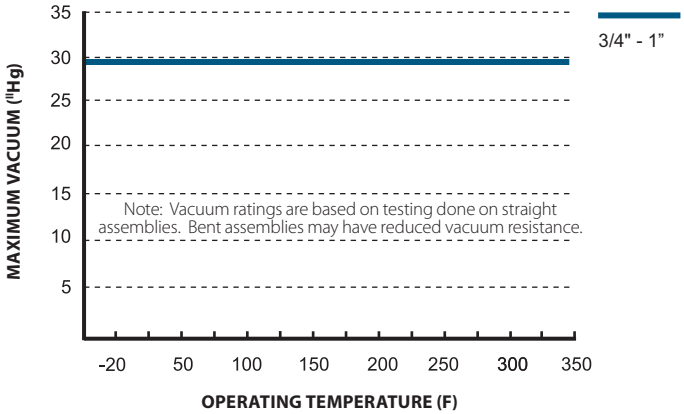


PRESSURE RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings.

VACUUM RATINGS



Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Ft
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
3/4	20	0.750	19.1	0.875	22.2	8.2	208.3	1000	68.9	4000	275.8	.20
1	25	1.000	25.4	1.190	30.2	12	304.8	1000	68.9	4000	275.8	.50

TRC NXT - W Smooth Bore EPDM Rubber Covered Hose

Inner core: Smooth Bore White *Teflon*® PTFE 1/2" - 4"
Reinforcement: EPDM rubber
Temperature: -20 °F to 300 °F

Construction

Smooth bore Teflon® liner bonded to a cover reinforced with multiple nylon plycord and EPDM rubber. A double-helix high tensile strength wire embedded in the carcass provides crush, kink and vacuum resistance.

Benefits

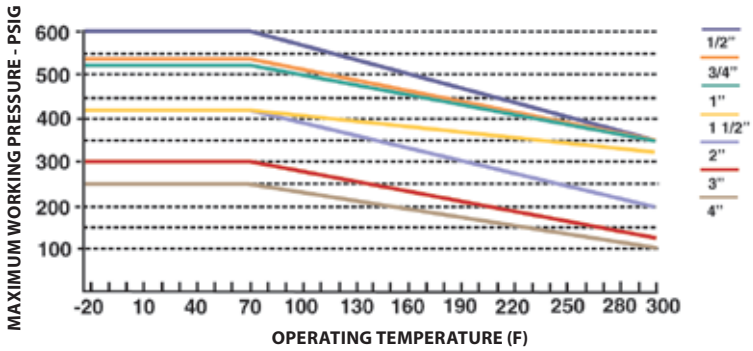
- Robust construction delivers extended service life, compared to hoses of similar construction and appearance
- Smooth, flexible Teflon® liner for use in a wide range of applications and ease of cleaning
- Outstanding flexibility, bend-ability and bend radius
- Durable, kink-resistant EPDM reinforced design for extended life and easy handling

Applications

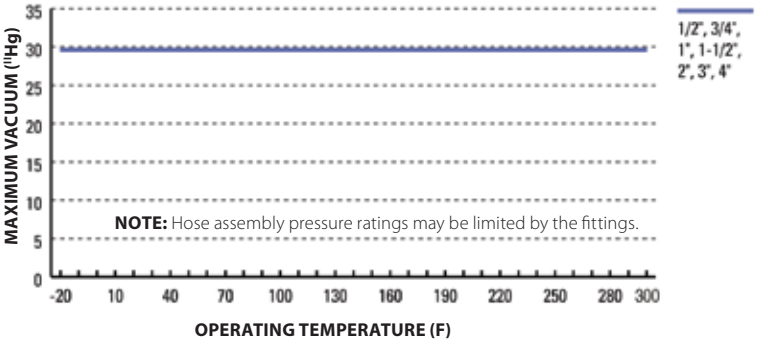
- Chemical, food, beverage, pharmaceutical and other process transfers
- Rail car and trailer loading/unloading
- Load cell applications
- Chemical cleaning and/or steam cleaning/ sterilizing applications

Fittings: Crimped

HOSE PRESSURE RATINGS



HOSE VACUUM RATINGS



NOTE: Custom colors available upon request. Consult factory.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Ft
INCH	DN	INCH	MM	INCH	MM	INCH	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.520	13.2	1.02	25.9	1.8	44	600	41.4	2400	165.5	.46
3/4	20	0.750	19.1	1.34	34	2.5	64	550	37.9	2200	151.7	.56
1	25	0.990	25.1	1.61	40.9	3.4	86	530	36.6	2120	146.2	.79
1-1/2	40	1.490	37.8	2.17	55.1	5.5	140	430	29.7	1720	118.6	1.22
2	50	1.970	50	2.76	70.1	8.0	203	430	29.7	1720	118.6	1.84
3	80	2.950	74.9	3.812	96.8	24	711.2	300	20.7	1200	82.7	2.80
4	100	3.940	100.1	4.937	125.4	42	1066.8	250	17.2	1000	68.9	5.15

TRCF NXT - W Smooth Bore EPDM Rubber Covered Hose

Inner core: Smooth Bore White *Teflon*® PTFE 3/4" - 2"
Reinforcement: EPDM rubber
Temperature: -20 °F to 300 °F

Construction

Smooth bore Teflon® liner drawn into a cover reinforced with multiple nylon plycord and EPDM rubber. A double-helix high tensile strength wire embedded in the carcass provides crush, kink and vacuum resistance.

Benefits

- Robust construction delivers extended service life, especially in steam cycling situations, compared to hoses of similar construction and appearance
- Smooth, flexible Teflon® liner for use in a wide range of applications and ease of cleaning
- Outstanding flexibility, bend-ability and bend radius
- Durable, kink-resistant EPDM reinforced design for extended life and easy handling
- Interference fit liner provides full vacuum resistance without toxic etchants or adhesives

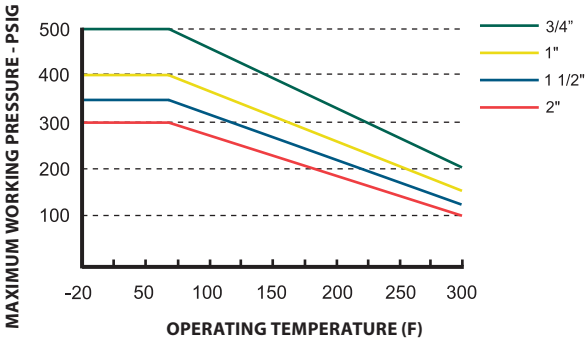
Applications

- Chemical, food, beverage, pharmaceutical and other process transfers
- Rail car and trailer loading/unloading
- Load cell applications
- Chemical cleaning and/or steam cleaning/ sterilizing applications

Fittings: Flare Thru

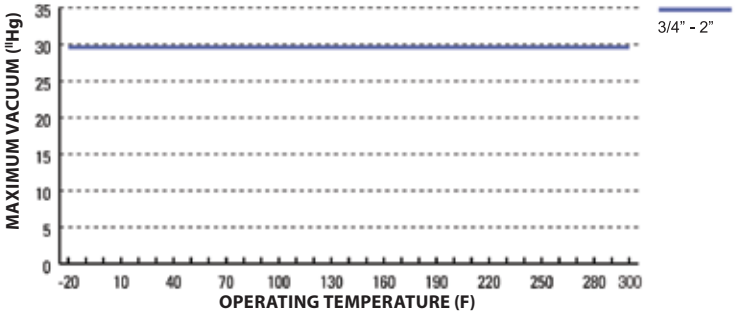
Flared Flange | Flared Cam & Groove | Flared Sanitary

PRESSURE RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings.

VACUUM RATINGS



NOTE: Custom colors available upon request. Consult factory.

Size		Hose I.D.		Hose O.D.		Min Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Ft
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
3/4	20	0.620	15.7	1.30	33	3	76.2	500	34.5	2000	137.8	.56
1	25	0.870	22.1	1.56	39.6	4	101.6	400	27.6	1600	110.3	.79
1-1/2	40	1.370	34.8	2.05	52	12	304.8	350	24.1	1400	96.5	1.22
2	50	1.870	47.5	2.56	65	12	304.8	300	20.7	1200	82.8	1.84

TRC NXT - B Smooth Bore EPDM Rubber Covered Hose

Inner core: Smooth Bore Antistatic *Teflon*® PTFE 1/2" - 4"
Reinforcement: EPDM rubber
Temperature: -20 °F to 300 °F

Construction

Smooth bore antistatic Teflon® liner bonded to a cover reinforced with multiple nylon plycord and EPDM rubber. A double-helix high tensile strength wire embedded in the carcass provides crush, kink and vacuum resistance.

Benefits

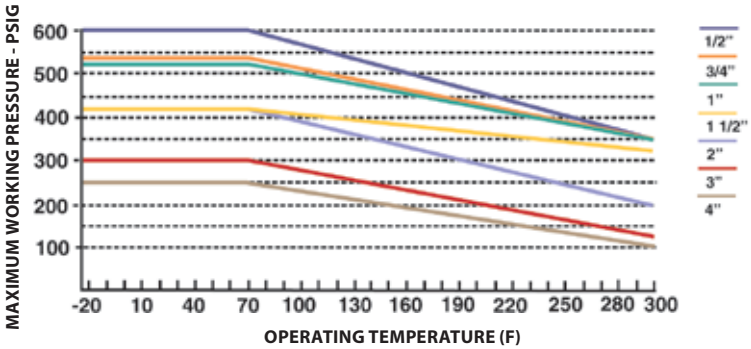
- Robust construction delivers extended service life, especially in steam cycling situations, compared to hoses of similar construction and appearance
- Smooth, flexible Teflon® liner for use in a wide range of applications and ease of cleaning
- Outstanding flexibility, bend-ability and bend radius
- Durable, kink-resistant EPDM reinforced design for extended life and easy handling

Applications

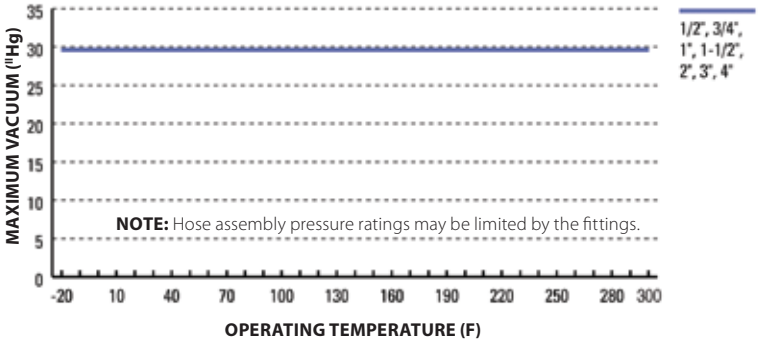
- Chemical, food, beverage, pharmaceutical and other process transfers
- Rail car and trailer loading/unloading
- Load cell applications
- Chemical cleaning and/or steam cleaning/ sterilizing applications

Fittings: Crimped

HOSE PRESSURE RATINGS



HOSE VACUUM RATINGS



NOTE: Custom colors available upon request. Consult factory.

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Ft
INCH	DN	INCH	MM	INCH	MM	INCH	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.52	13.2	1.02	25.9	1.8	44	600	41.4	2400	165.5	.46
3/4	20	0.78	19.8	1.34	34	2.5	64	550	37.9	2200	151.7	.56
1	25	0.99	25.1	1.61	40.9	3.4	86	530	36.6	2120	146.2	.79
1-1/2	40	1.49	37.8	2.17	55.1	5.5	140	430	29.7	1720	118.6	1.22
2	50	1.99	50.5	2.76	70.1	8.0	203	430	29.7	1720	118.6	1.84
3	80	3.015	76.6	3.812	96.8	24	711.2	300	20.7	1200	82.7	2.80
4	100	4.010	101.9	4.937	125.4	42	1066.8	250	17.2	1000	68.9	5.15

TRCF NXT - B Smooth Bore EPDM Rubber Covered Hose

Inner core: Smooth Bore Antistatic *Teflon*® PTFE 3/4" - 2"
Reinforcement: EPDM rubber
Temperature: -20 °F to 300 °F

Construction

Smooth bore Teflon® liner drawn into a cover reinforced with multiple nylon plycord and EPDM rubber. A double-helix high tensile strength wire embedded in the carcass provides crush, kink and vacuum resistance.

Benefits

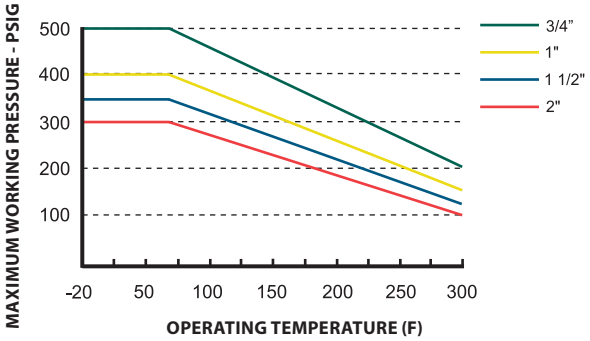
- Robust construction delivers extended service life, especially in steam cycling situations, compared to hoses of similar construction and appearance
- Smooth, flexible Teflon® liner for use in a wide range of applications and ease of cleaning
- Outstanding flexibility, bend-ability and bend radius
- Durable, kink-resistant EPDM reinforced design for extended life and easy handling
- Interference fit liner provides full vacuum resistance without toxic etchants or adhesives

Applications

- Chemical, food, beverage, pharmaceutical and other process transfers
- Rail car and trailer loading/unloading
- Load cell applications
- Chemical cleaning and/or steam cleaning/ sterilizing applications

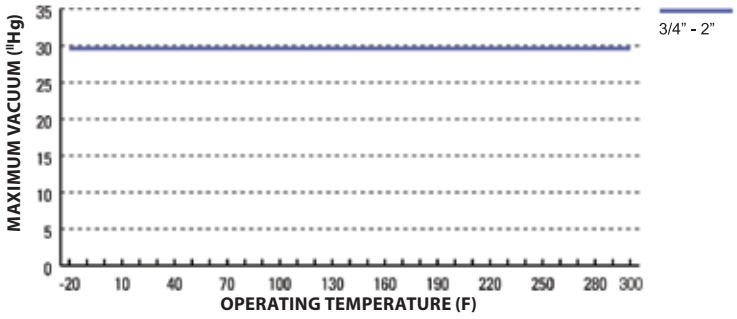
Fittings: Flare Thru

PRESSURE RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings.

VACUUM RATINGS



NOTE: Custom colors available upon request. Consult factory.

Size		Hose I.D.		Hose O.D.		Min Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Ft
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
3/4	20	0.620	15.7	1.30	33	3	76.2	500	34.5	2000	137.8	.56
1	25	0.870	22.1	1.56	39.6	4	101.6	400	27.6	1600	110.3	.79
1-1/2	40	1.370	34.8	2.05	52	12	304.8	350	24.1	1400	96.5	1.22
2	50	1.870	47.5	2.56	65	12	304.8	300	20.7	1200	82.8	1.84

TMH 316 SS - W Smooth Bore Chemical Transfer Hose

Inner Core: Smooth *Teflon*® PTFE
Reinforcement: 316 SS metal hose w/ 304 SS wire braid
Temperature: -20 °F to 350 °F

Construction

A rugged yet flexible metal carcass with a smooth, heavy wall Teflon® PTFE liner. The assembly is manufactured using our exclusive flare through Thermalok™ process that extends the PTFE over the sealing face, creating a corrosion barrier throughout the assembly, maximizing vacuum resistance and service life.

Benefits

- Maximum protection from premature failure and environmental release
- Teflon® PTFE inner core provides outstanding resistance to corrosion at elevated temperatures and nearly universal material compatability
- Flare Thru design eliminates metal corrosion and process contamination
- Vent system for Teflon® per ASTM F1545 Lined Steel Pipe prevents pressure buildup on outside of liner and extends service life
- Optional vent coupling to vent away from insulation and capture gases for containment from atmosphere
- Available in diameters up to 6"

Applications

Designed for severe service applications where media containment and leak prevention is imperative.

Fittings: Flare Thru

Flared Flange | Flared Cam & Groove | Flared Sanitary

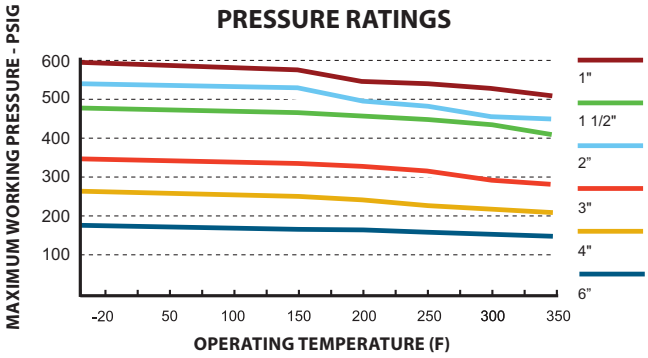
Not all end fittings available for all hose diameters – consult factory

Auxiliary flanges can be added for flanged end protection and easy replacement when ends are damaged, thus eliminating the need to replace the complete assembly

External Protective Accessories

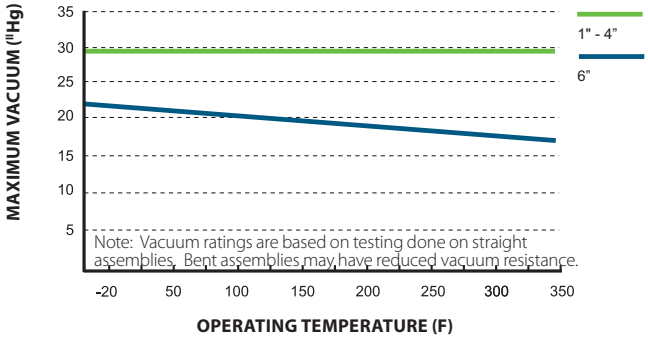
Contact factory for details.

PRESSURE RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings.

VACUUM RATINGS



Burst Pressure = 4x Max. Working Pressure at 70F (21 C)

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Weight 1ft Flanged Assembly	Weight per adtl. Ft.	Maximum Length (Ft.)
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR			
1	25	0.875	22.2	1.590	40.4	12	304.8	590	40.7	3.53	1.03	20
1-1/2	40	1.375	34.9	2.270	57.7	15	381.0	475	32.8	5.79	1.96	20
2	50	1.875	47.6	2.910	73.9	21	533.4	530	36.5	9.49	2.67	20
3	80	2.797	71.0	3.690	93.7	28	711.2	335	23.1	14.44	2.64	15
4	100	3.766	95.7	4.840	122.9	46	1168.4	240	16.5	21.57	3.17	14
6	150	5.688	144.5	7.160	181.9	65	1651.0	180	12.4	39.94	6.74	10

TMH MONEL® - W Smooth Bore Chemical Transfer Hose

Inner Core: Smooth *Teflon*® PTFE
Reinforcement: MONEL® metal hose with MONEL® wire braid
Temperature: -20 °F to 350 °F

Construction

A rugged yet flexible metal carcass with a smooth, heavy wall Teflon® PTFE liner. The assembly is manufactured using our exclusive flare through Thermalok™ process that extends the PTFE over the sealing face, creating a corrosion barrier throughout the assembly, maximizing vacuum resistance and service life.

Benefits

- Maximum protection from premature failure and environmental release
- Teflon® PTFE inner core provides outstanding resistance to corrosion at elevated temperatures and nearly universal material compatability
- Flare Thru design eliminates metal corrosion and process contamination
- Vent system for Teflon® per ASTM F1545 Lined Steel Pipe prevents pressure buildup on outside of liner and extends service life
  - o Optional vent coupling to vent away from insulation and capture gases for containment from atmosphere
- Available in diameters up to 6"

Applications

Designed for severe service applications where media containment and leak prevention is imperative. TMH-MONEL® is designed for services where both internal and external corrosion are a concern, and where applications place stainless steel at risk for stress cracking.

Fittings: Flare Thru

Flared Flange | Flared Cam & Groove | Flared Sanitary

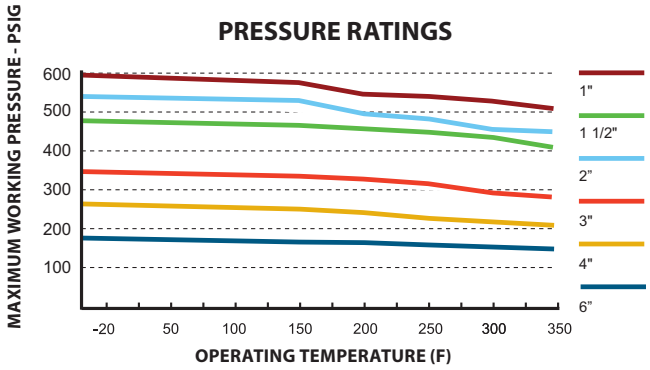
Not all end fittings available for all hose diameters – consult factory

Auxiliary flanges can be added for flanged end protection and easy replacement when ends are damaged, thus eliminating the need to replace the complete assembly

External Protective Accessories

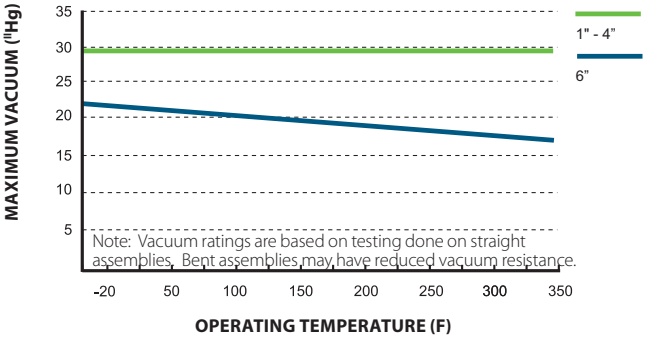
Contact factory for details.

PRESSURE RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings.

VACUUM RATINGS



Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Weight 1ft Flanged Assembly	Weight per adtl. Ft.	Maximum Length (Ft.)
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR			
1	25	0.875	22.2	1.590	40.4	12	304.8	590	40.7	3.53	1.03	20'
1-1/2	40	1.375	34.9	2.270	57.7	15	381.0	475	32.8	5.79	1.96	20'
2	50	1.875	47.6	2.910	73.9	21	533.4	530	36.5	9.49	2.67	20'
3	80	2.797	71.0	3.690	93.7	28	711.2	335	23.1	14.44	2.64	15'
4	100	3.766	95.7	4.840	122.9	46	1168.4	240	16.5	21.57	3.17	14'
6	150	5.688	144.5	7.160	181.9	65	1651.0	180	12.4	39.94	6.74	10'

MONEL® is a trademark of the Special Metals Corporation group of companies.

Burst Pressure = 4x Max. Working Pressure at 70F (21 C)

TMH HASTELLOY® - W Smooth Bore Chemical Transfer Hose

Inner Core: Smooth *Teflon*® PTFE
Reinforcement: HASTELLOY® hose with HASTELLOY® braid
Temperature: -20 °F to 350 °F

Construction

A rugged yet flexible metal carcass with a smooth, heavy wall Teflon® PTFE liner. The assembly is manufactured using our exclusive flare through Thermalok™ process that extends the PTFE over the sealing face, creating a corrosion barrier throughout the assembly, maximizing vacuum resistance and service life.

Benefits

- Maximum protection from premature failure and environmental release
- Teflon® PTFE inner core provides outstanding resistance to corrosion at elevated temperatures and nearly universal material compatability
- Flare Thru design eliminates metal corrosion and process contamination
- Vent system for Teflon® per ASTM F1545 Lined Steel Pipe prevents pressure buildup on outside of liner and extends service life
- Optional vent coupling to vent away from insulation and capture gases for containment from atmosphere
- Available in diameters up to 6"

Applications

Designed for severe service applications where media containment and leak prevention is imperative.

Fittings: Flare Thru

Flared Flange | Flared Cam & Groove | Flared Sanitary

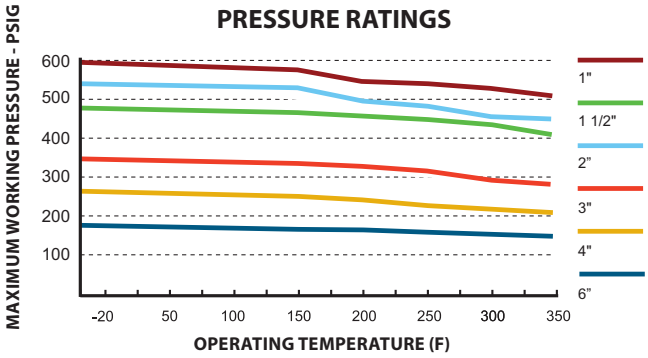
Not all end fittings available for all hose diameters – consult factory

Auxiliary flanges can be added for flanged end protection and easy replacement when ends are damaged, thus eliminating the need to replace the complete assembly

External Protective Accessories

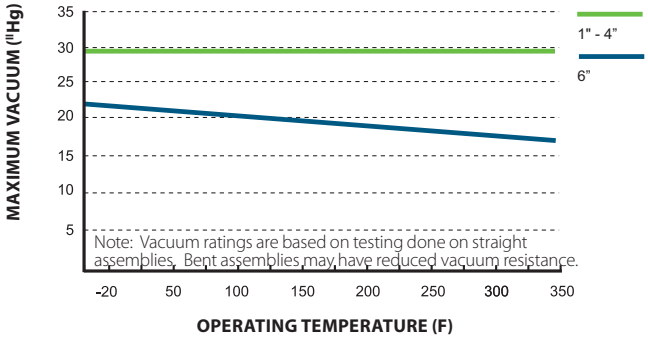
Contact factory for details.

PRESSURE RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings.

VACUUM RATINGS



Burst Pressure = 4x Max. Working Pressure at 70F (21 C)

Burst Pressure = 4x Max. Working Pressure at 70F (21 C)

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Weight 1ft Flanged Assembly	Weight per adtl. Ft.	Maximum Length (Ft.)
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR			
1	25	0.875	22.2	1.590	40.4	12	304.8	590	40.7	3.53	1.03	20
1-1/2	40	1.375	34.9	2.270	57.7	15	381.0	475	32.8	5.79	1.96	20
2	50	1.875	47.6	2.910	73.9	21	533.4	530	36.5	9.49	2.67	20
3	80	2.797	71.0	3.690	93.7	28	711.2	335	23.1	14.44	2.64	15
4	100	3.766	95.7	4.840	122.9	46	1168.4	240	16.5	21.57	3.17	14

HASTELLOY® is a registered trademark of Haynes International.

TMH 316 SS - B Smooth Bore Chemical Transfer Hose

Inner Core: Smooth antistatic *Teflon*® PTFE
Reinforcement: 316 SS metal hose w/ 304 SS wire braid
Temperature: -20 °F to 350 °F

Construction

A rugged yet flexible metal carcass with a smooth, antistatic heavy wall Teflon® PTFE liner. The assembly is manufactured using our exclusive flare through Thermalok™ process that extends the PTFE over the sealing face, creating a corrosion barrier throughout the assembly, maximizing vacuum resistance and service life.

Benefits

- Maximum protection from premature failure and environmental release
- Teflon® PTFE inner core provides outstanding resistance to corrosion at elevated temperatures and nearly universal material compatability
- Flare Thru design eliminates metal corrosion and process contamination
- Vent system for Teflon® per ASTM F1545 Lined Steel Pipe prevents pressure buildup on outside of liner and extends service life
- Optional vent coupling to vent away from insulation and capture gases for containment from atmosphere
- Available in diameters up to 6"

Applications

Designed for severe service applications where media containment and leak prevention is imperative.

Fittings: Flare Thru

Flared Flange | Flared Cam & Groove | Flared Sanitary

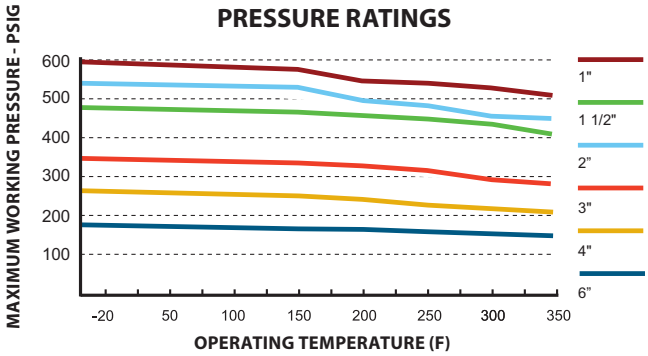
Not all end fittings available for all hose diameters – consult factory

Auxiliary flanges can be added for flanged end protection and easy replacement when ends are damaged, thus eliminating the need to replace the complete assembly

External Protective Accessories

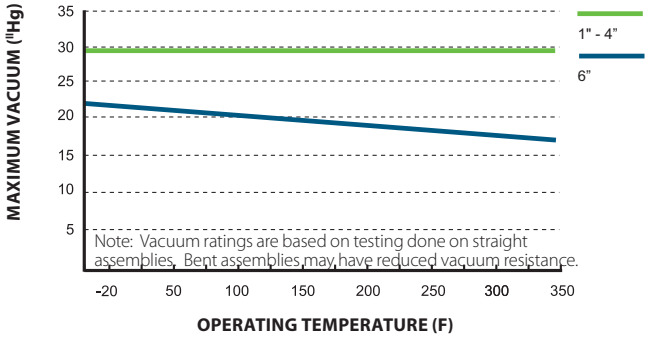
Contact factory for details.

PRESSURE RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings.

VACUUM RATINGS



Burst Pressure = 4x Max. Working Pressure at 70F (21 C)

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Weight 1ft Flanged Assembly	Weight per adtl. Ft.	Maximum Length (Ft.)
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR			
1	25	0.875	22.2	1.590	40.4	12	304.8	590	40.7	3.53	1.03	20
1-1/2	40	1.375	34.9	2.270	57.7	15	381.0	475	32.8	5.79	1.96	20
2	50	1.875	47.6	2.910	73.9	21	533.4	530	36.5	9.49	2.67	20
3	80	2.797	71.0	3.690	93.7	28	711.2	335	23.1	14.44	2.64	15
4	100	3.766	95.7	4.840	122.9	46	1168.4	240	16.5	21.57	3.17	14
6	150	5.688	144.5	7.160	181.9	65	1651.0	180	12.4	39.94	6.74	10

TMH MONEL® - B Smooth Bore Chemical Transfer Hose

Inner Core: Smooth antistatic *Teflon*® PTFE
Reinforcement: MONEL® metal hose with MONEL® wire braid
Temperature: -20 °F to 350 °F

Construction

A rugged yet flexible metal carcass with a smooth, antistatic heavy wall Teflon® PTFE liner. The assembly is manufactured using our exclusive flare through Thermalok™ process that extends the PTFE over the sealing face, creating a corrosion barrier throughout the assembly, maximizing vacuum resistance and service life.

Benefits

- Maximum protection from premature failure and environmental release
- Teflon® PTFE inner core provides outstanding resistance to corrosion at elevated temperatures and nearly universal material compatability
- Flare Thru design eliminates metal corrosion and process contamination
- Vent system for Teflon® per ASTM F1545 Lined Steel Pipe prevents pressure buildup on outside of liner and extends service life
  - o Optional vent coupling to vent away from insulation and capture gases for containment from atmosphere
- Available in diameters up to 6"

Applications

Designed for severe service applications where media containment and leak prevention is imperative. TMH-MONEL® is designed for services where both internal and external corrosion are a concern, and where applications place stainless steel at risk for stress cracking.

Fittings: Flare Thru

Flared Flange | Flared Cam & Groove | Flared Sanitary

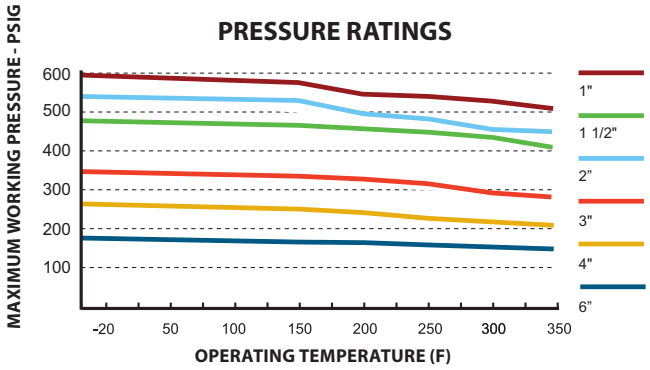
Not all end fittings available for all hose diameters – consult factory

Auxiliary flanges can be added for flanged end protection and easy replacement when ends are damaged, thus eliminating the need to replace the complete assembly

External Protective Accessories

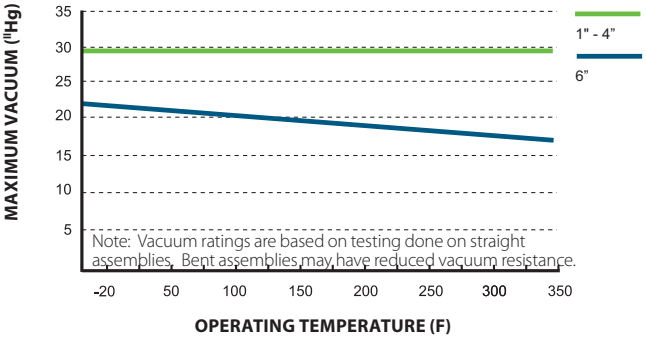
Contact factory for details.

PRESSURE RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings.

VACUUM RATINGS



Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Weight 1ft Flanged Assembly	Weight per adtl. Ft.	Maximum Length (Ft.)
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR			
1	25	0.875	22.2	1.590	40.4	12	304.8	590	40.7	3.53	1.03	20'
1-1/2	40	1.375	34.9	2.270	57.7	15	381.0	475	32.8	5.79	1.96	20'
2	50	1.875	47.6	2.910	73.9	21	533.4	530	36.5	9.49	2.67	20'
3	80	2.797	71.0	3.690	93.7	28	711.2	335	23.1	14.44	2.64	15'
4	100	3.766	95.7	4.840	122.9	46	1168.4	240	16.5	21.57	3.17	14'
6	150	5.688	144.5	7.160	181.9	65	1651.0	180	12.4	39.94	6.74	10'

MONEL® is a trademark of the Special Metals Corporation group of companies.

Burst Pressure = 4x Max. Working Pressure at 70F (21 C)

TMH HASTELLOY® - B Smooth Bore Chemical Transfer Hose

Inner Core: Smooth antistatic *Teflon*® PTFE
Reinforcement: HASTELLOY® hose with HASTELLOY® braid
Temperature: -20 °F to 350 °F

Construction

A rugged yet flexible metal carcass with a smooth, antistatic heavy wall Teflon® PTFE liner. The assembly is manufactured using our exclusive flare through Thermalok™ process that extends the PTFE over the sealing face, creating a corrosion barrier throughout the assembly, maximizing vacuum resistance and service life.

Benefits

- Maximum protection from premature failure and environmental release
- Teflon® PTFE inner core provides outstanding resistance to corrosion at elevated temperatures and nearly universal material compatability
- Flare Thru design eliminates metal corrosion and process contamination
- Vent system for Teflon® per ASTM F1545 Lined Steel Pipe prevents pressure buildup on outside of liner and extends service life
- Optional vent coupling to vent away from insulation and capture gases for containment from atmosphere
- Available in diameters up to 6"

Applications

Designed for severe service applications where media containment and leak prevention is imperative.

Fittings: Flare Thru

Flared Flange | Flared Cam & Groove | Flared Sanitary

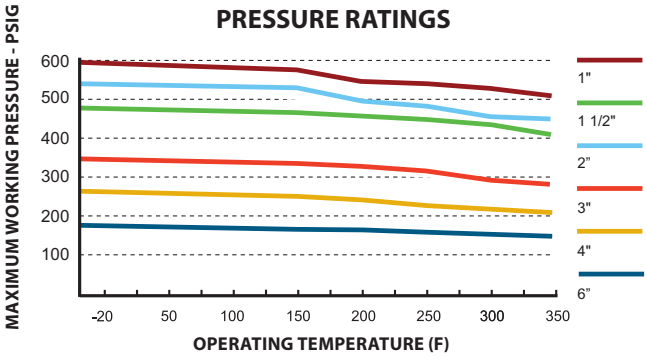
Not all end fittings available for all hose diameters – consult factory

Auxiliary flanges can be added for flanged end protection and easy replacement when ends are damaged, thus eliminating the need to replace the complete assembly

External Protective Accessories

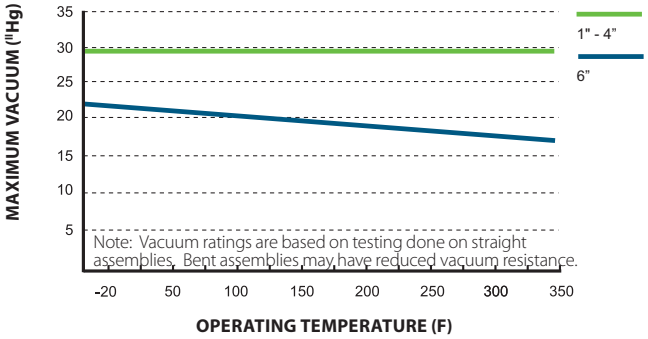
Contact factory for details.

PRESSURE RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings.

VACUUM RATINGS



Burst Pressure = 4x Max. Working Pressure at 70F (21 C)

Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Weight 1ft Flanged Assembly	Weight per adtl. Ft.	Maximum Length (Ft.)
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR			
1	25	0.875	22.2	1.590	40.4	12	304.8	590	40.7	3.53	1.03	20
1-1/2	40	1.375	34.9	2.270	57.7	15	381.0	475	32.8	5.79	1.96	20
2	50	1.875	47.6	2.910	73.9	21	533.4	530	36.5	9.49	2.67	20
3	80	2.797	71.0	3.690	93.7	28	711.2	335	23.1	14.44	2.64	15
4	100	3.766	95.7	4.840	122.9	46	1168.4	240	16.5	21.57	3.17	14

TR – W Truck-Rail Teflon® Smooth Bore Transfer Hose

Inner core: Smooth *Teflon*® PTFE
Reinforcement: SBR and Neoprene
Temperature Range: -20 °F - 300 °F

Construction

Heavy wall smooth bore Teflon® PTFE tube reinforced with multiple plies of fabric supported styrene-butadine rubber (SBR), embedded spring steel helix wire and a Neoprene cover.

Benefits

- Heavy duty construction designed for durability in applications where hoses are frequently mishandled
- Molded integral end fitting reinforcement eliminates possibility of end fitting detachment
- PTFE Flared Thru design eliminates metal corrosion and process contamination

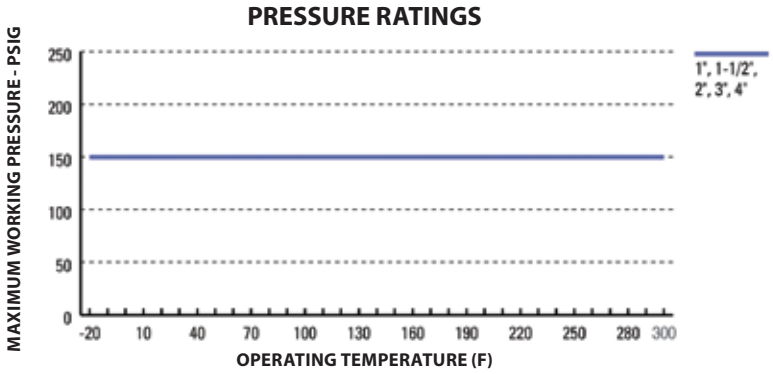
Applications

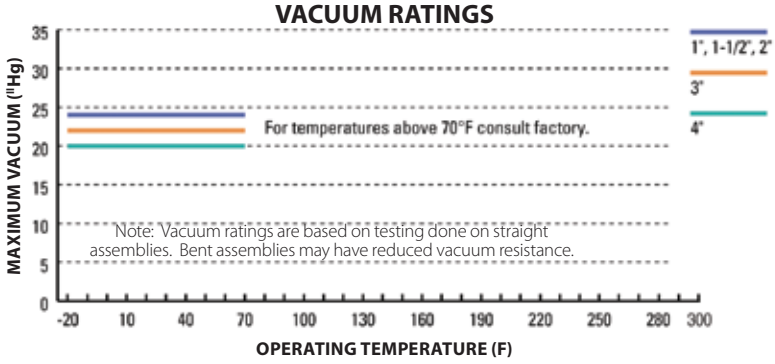
Used where a flanged flexible connection is required to transfer corrosive and/or hazardous media. Smooth inner liner provides uninterrupted laminar flow. Construction provides maximum protection available in a fluoropolymer hose assembly from unintentional disconnection and mechanical failure.

Fittings: Flare Thru

Flared

Auxiliary flanges can be added for flared end protection and easy replacement when ends are damaged, thus eliminating the need to replace the complete assembly.





Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Maximum Length
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1	25	0.875	22.2	1.625	41.3	18	457.2	150	10.3	600	41.4	20'
1-1/2	40	1.375	34.9	2.188	55.6	18	457.2	150	10.3	600	41.4	20'
2	50	1.875	47.6	2.813	71.5	24	609.6	150	10.3	600	41.4	20'
3	80	2.813	71.5	3.813	96.9	30	762.0	150	10.3	600	41.4	15'
4	100	3.813	96.9	4.938	125.4	36	914.4	150	10.3	600	41.4	14'

TR – B Truck-Rail Teflon® Smooth Bore Transfer Hose

Inner core: Smooth Antistatic *Teflon*® PTFE
Reinforcement: SBR and Neoprene
Temperature Range: -20 °F - 300 °F

Construction

Heavy wall antistatic smooth bore Teflon® PTFE tube reinforced with multiple plies of fabric supported styrene-butadine rubber (SBR), embedded spring steel helix wire and a Neoprene cover.

Benefits

- Heavy duty construction designed for durability in applications where hoses are frequently mishandled
- Molded integral end fitting reinforcement eliminates possibility of end fitting detachment
- PTFE Flared Thru design eliminates metal corrosion and process contamination

Applications

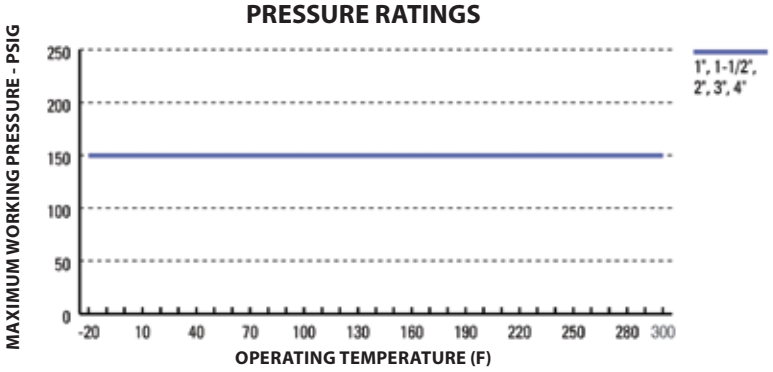
Used where a flanged flexible connection is required to transfer corrosive and/or hazardous media. Smooth inner liner provides uninterrupted laminar flow. Construction provides maximum protection available in a fluoropolymer hose assembly from unintentional disconnection and mechanical failure.

Fittings: Flare Thru

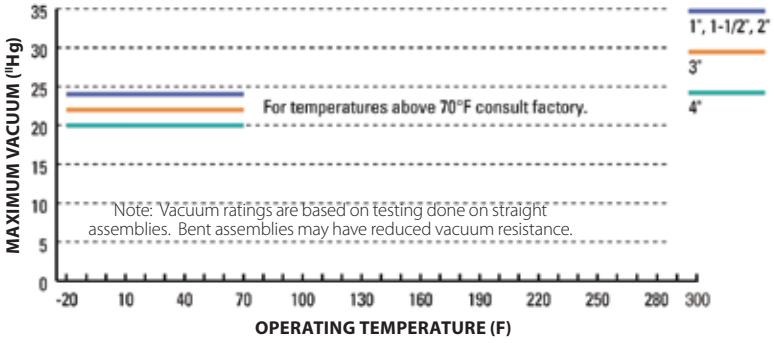
Flared

Auxiliary flanges can be added for flared end protection and easy replacement when ends are damaged, thus eliminating the need to replace the complete assembly.

PRESSURE RATINGS



VACUUM RATINGS



Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Maximum Length
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1	25	0.875	22.2	1.625	41.3	18	457.2	150	10.3	600	41.4	20'
1-1/2	40	1.375	34.9	2.188	55.6	18	457.2	150	10.3	600	41.4	20'
2	50	1.875	47.6	2.813	71.5	24	609.6	150	10.3	600	41.4	20'
3	80	2.813	71.5	3.813	96.9	30	762.0	150	10.3	600	41.4	15'
4	100	3.813	96.9	4.938	125.4	36	914.4	150	10.3	600	41.4	14'

Si-W NXT Fabric-Reinforced Silicone Hose

- Low Volatile Grade Platinum-Cured Silicone
- Multi-Ply Polyester Fabric Reinforcement
- High Pressure
- Non-Vacuum Rated

Benefits

- Suitable for pharmaceutical, biomedical, cosmetic and food applications
- -50 °F – 280 °F temperature range
- Sterilizable/Autoclavable
- Documented lot traceable
- Available in custom lengths (up to 130 feet) and color coding

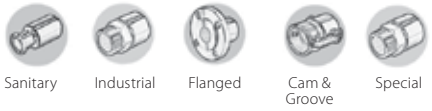
Approvals

- USP Class VI

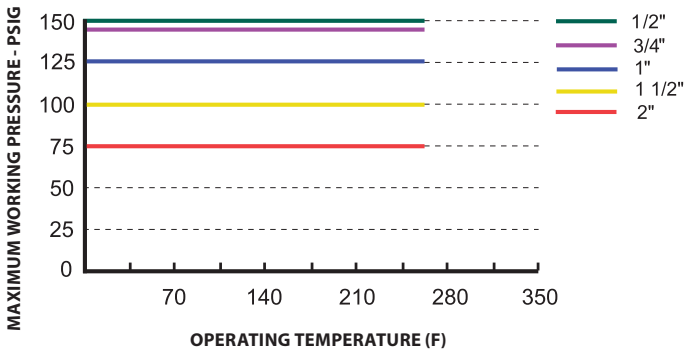
Meets or Exceeds:

- FDA CFR 177.2600
- USDA and 3A Standards
- ISO 10993
- European Pharmacopoeia 3.1.9

Fittings



PRESSURE RATINGS

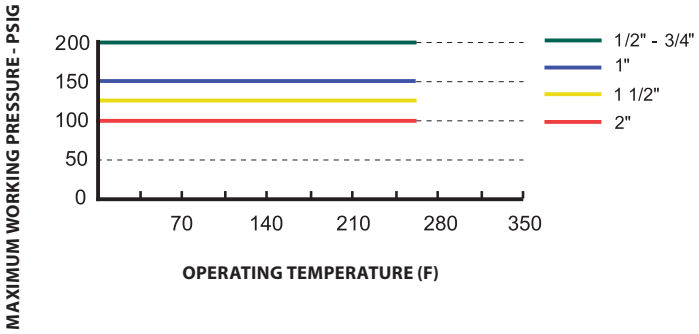


NOTE: For assemblies, pressure ratings of fittings may be less than for the hose.

Nominal I.D.		Wall Thickness		Hose O.D.		Min. Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Approximate Weight	
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	LBS./FT.	KG/M
1/2	15	0.236	6	1.040	26.4	3	76.2	150	10.3	600	41.4	.30	.45
3/4	20	0.234	5.9	1.250	31.8	5	127	140	9.7	560	38.6	.39	.58
1	25	0.249	6.3	1.462	37.1	9	228.6	125	8.6	500	34.5	.43	.60
1-1/2	40	0.250	6.4	1.990	50.5	12	304.8	100	6.9	400	27.6	.72	1.07
2	50	0.228	5.8	2.432	61.8	30	762	75	5.2	300	20.7	1.08	1.61

Si-V NXT Silicone Wire-Reinforced Hose

PRESSURE RATINGS



NOTE: For assemblies, pressure ratings of fittings may be less than for the hose.

- Low Volatile Grade Platinum-Cured Silicone
- 4-Ply Polyester Braid, SS Wire Reinforced
- Rated for Full Vacuum

Benefits

- Suitable for pharmaceutical, biomedical, cosmetic and food applications
- -50 °F – 280 °F temperature range
- Rated for full vacuum to 300°F
- Sterilizable/Autoclavable
- Documented lot traceable
- Available in custom lengths (up to 130 feet) and color coding
- Factory assembly and packaging in a Class 10,000 clean room as standard

Approvals

- USP Class VI
- USP MEM Elution <87> on all parts

Meets or Exceeds:

- FDA CFR 177.2600
- USDA and 3A Standards
- ISO 10993
- European Pharmacopoeia 3.1.9

Fittings

Nominal I.D.		Wall Thickness		Hose O.D.		Min. Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Vacuum Rating at 300°F (149°C)		Approximate Weight	
Inch	MM	Inch	MM	Inch	MM	Inch	MM	PSIG	Bar	PSIG	Bar	Inches Hg	Bar (a)	LBS./FT.	KG/M
1/2	15	0.221	5.6	0.974	24.7	2.00	50.8	200	13.8	800	55.2	29.9	0	.30	.45
3/4	20	0.233	5.9	1.224	31.1	2.50	63.5	200	13.8	800	55.2	29.9	0	.39	.58
1	25	0.208	5.3	1.450	36.8	3.50	88.9	150	10.3	600	41.4	29.9	0	.43	.60
1-1/2	40	0.260	6.6	2.030	51.6	4.00	101.6	125	8.6	500	34.5	29.9	0	.72	1.07
2	50	0.256	6.5	2.520	64	6.00	152.4	100	6.9	400	27.6	29.9	0	1.08	1.61

NOTE: 1 1/4", 2 1/2", 3", and 4" sizes available - Consult factory

CTHK - Teflon® Convoluted Bore Chlorine Hose

Inner core: "Seamless" antistatic convoluted *Teflon*® PTFE
Reinforcement: *KYNAR*® PVDF double braid
Temperature: -40 °F to 275 °F
External Protection: HDPE plastic spiral guard

Construction

Extra-thick, "seamless" helical convoluted *Teflon*® PTFE liner double braided with KYNAR® PVDF, and HDPE spiral guard as a protective cover (per the Chlorine Institute pamphlet 6 guidelines.)

Benefits

- Fully complies with the guidelines of The Chlorine Institute Pamphlet 6, Appendix A for Chlorine Transfer Hose
- Open pitched, helical convolutions for easy cleaning
- Rated for full vacuum
- Designed to handle the rigors of everyday handling at chlorine transfer stations
- Tighter bend radii than smooth bore alternatives

Applications

For use with Chlorine/Bromine transfers from shipping containers to stationary equipment (rail, truck, and cylinder) and cylinder filling stations.

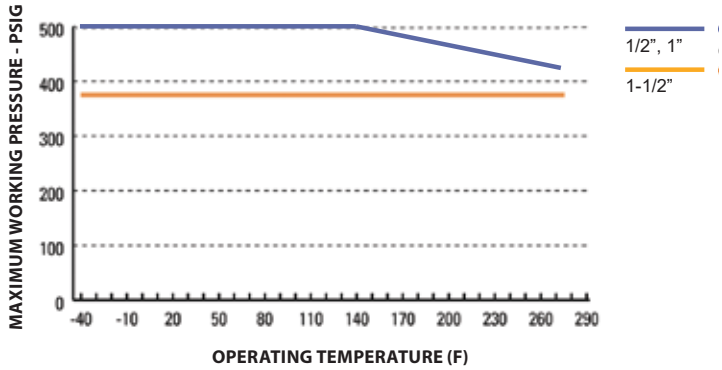
Fittings: Monel® Crimp Style

Hastelloy® also available. Consult factory.

Threaded | Flanged (300 lb.) | CGA 820 (1/2" hose only)

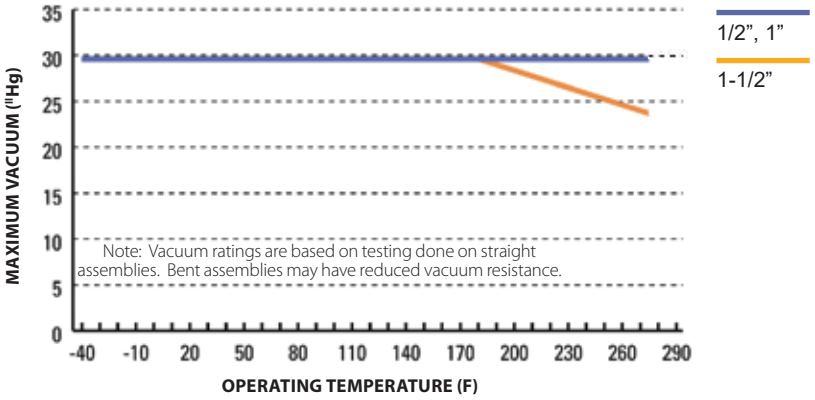
KYNAR® is a registered trademark of Arkema Inc.

PRESSURE RATINGS



NOTE: Hose assembly pressure ratings may be limited by the fittings.

VACUUM RATINGS



Nominal Size		Hose ID		Hose OD		Bend Radius		Max. Working Pressure at 70°F (21°C)		Burst Pressure at 70°F (21°C)		Weight Lbs / Ft
Inch	DN	Inch	MM	Inch	MM	Inch	MM	PSIG	BAR	PSIG	BAR	
1/2	15	0.470	11.9	0.748	19.0	2	50.8	500	34.5	2500	172.4	.15
1	25	0.970	24.6	1.354	34.4	4	101.6	500	34.5	2500	172.4	.33
1-1/2	40	1.540	39.1	2.034	51.7	6	152.4	375	25.9	1875	129.3	.60

Hose Size

1/2"	08
1"	16
1-1/2"	24

K B

Fitting Type	Fitting #
CGA820(1/2" Only)	2 3 M 0
MNPT Monel	1 0 M 0
MNPT Hastelloy	1 0 H 0
Monel/Monel Flg	3 0 M R
Monel/Hast Flg	3 0 M H
Monel/CS Flg	3 0 M B
Hast/CS Flg	3 0 H B

Fitting #1 | Fitting #2 | Assembly Length (Whole Inches, 1/8")

Example:
Hose Length = 12-1/2"
Length Code = 00124

Accessory Code: E

HDPE Spiral Guard: E
Other Accessories See Page 39