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## Thermoplastik- & Fluorpolymerprodukte

# Parflex®- Fluorpolymerschläuche

Katalog CAT 4660/USA 01/12(2)



# KATALOG

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A-5

# Parflex Hose Visual Index (cont.)

	нтв	Eliminator® Compact	M8	High Pressure Hydraulic	MSH	Marine Steering
Parflex Thermoplastic (cont.)	<b></b>	A-28 <b>HYBRID</b>		A-27 <b>HYBRID</b>		A-55
MSXL Marine Steering	PTH	Marine Power Tilt	R6	Constant Pressure Hydraulic	<b>S4</b>	Predator® Water Jetting 4000 PSI
A-56		A-57		A-26		A-58
S5 Predator® Water Jetting 4000 PSI	S6	Predator® Water Jetting 2500 PSI	59	Predator® Water Jetting 3000 PSI	SLH	Predator® Sewer Leader
A-59		A-60		A-61		A-62
<b>XDH</b> eXtreme™ Duty Hose						
A-63						

	919 PTFE Hose	919B PTFE Hose with Static- Dissipative Tube	919J Silicone Jacketed PTFE Hose
Parflex PTFE			
	A-65	A-65	A-66
919U High Abrasion Resistance PTFE Hose	929 Heavy Wall PTFE Hose	<b>929B</b> Heavy Wall PTFE Hose with Static-Dissipative Tube	<b>929BJ</b> Silicone Jacketed PTFE Hose with Static-Dissipative Tube
Planton (ALFOLIX VIII)			
A-67	A-68	A-68	A-69
939 Convoluted PTFE Hose	939B Convoluted PTFE Hose with Static-Dissipative Tube	943B High Pressure PTFE Hose with Static-Dissipative Tube	944B High Pressure PTFE Hose with Static-Dissipative Tube
A-70	A-70	A-71	A-72
950B High Pressure PTFE Hose with Static-Dissipative Tube	955B High Pressure PTFE Hose with Static-Dissipative Tube		
A-73	A-74		



Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd

# **Understanding Parflex Hoses**

Parflex hoses are designed to handle extremes. They are used in some of the harshest applications around, such as over-the-sheave or aerial lift because they are specifically designed to handle extreme abrasion, temperatures, flexing, impulse and other factors that cause many hoses to fail.

#### **Hydraulic & Pneumatic Hose Selection**

Parflex offers several lines of hydraulic and pneumatic hoses; General Hydraulic, Specialty and Hybrid hoses. Specialty hoses were designed to solve specific application problems. Hybrid Hoses belong specifically to Parflex, with no exact competitor equivalents. These hoses were developed to cross typical SAE boundaries and meet specific challenges our customers were bringing to us.

The visual index and hose pages indicate which hoses are Hybrid designs.

Review the STAMPED guide (Size, Temperature, Media, Application, Pressure, End Configuration, and Delivery Preferences) on page 11 to help narrow your search for the desired product.

#### **Fluoropolymer Selection**

Parflex offers two lines of Fluoropolymer Hoses; the traditional Parflex PTFE hoses, many that meet 100R14 standards, and the PAGE hose line, comprised of specialty braid and construction options.

Hoses in PAGE product line are manufactured with materials that are compliant to the following standards:

FDA 21 CFR 177.1550 and 177.2600 USP XXII Class Pharmacopoeia 3.1.9 ISO 10093, Sections 5, 6 10,and 11 USDA Standards 3A Standards

The visual index and hose pages indicate which hoses are from the PAGE product line.

#### **Hose Assemblies**

To determine hose part numbers for assemblies use the following nomenclature pages:

- Parflex Thermoplastic Hose Assembly Nomenclature pg. A-18
- Parflex PTFE Hose Assembly Nomenclature pg. A-19
- PAGE Product Line Industrial S30 & S40 Hose Assembly Nomenclature pg. A-20
- PAGE Product Line "True-Bore" & Convoluted Hose Assembly Nomenclature pg. A-21



# How to Read the Hose Section

Parker Parflex offers an extensive selection of thermoplastic, hybrid and PTFE hose products, covering the full range of industrial fluid transfer applications. Parflex hose products have been tested and approved to meet and exceed global standards. Hoses range in size from 1/16" to 4" I.D. and are compatible with permanent crimp and field attachable fittings.

# D6 - Hybrid Hose

Base part number, product description



#### **Features**

Product features and benefits

#### Certifications

Product certifications

# **Applications/Markets**Product applications for all pertinent markets



Transportation



Mobile Hydraulics



Industrial Pneumatic



Industrial Hydraulics



Fluid Handling



Life Science



Food & Beverage



# How to Read the Hose Section

1		2		3		4		5		6	7
Part Number	Nom I.I	ninal D.	Maxi 0.	mum D.	Wor	mum king sure		mum nd lius	We	ight	Permanent Fitting Series
#		)	(	9			4	$\mathcal{I}$	57 lbs		
	inch	mm	inch	mm	psi/73°F	bar/23°C	inch	mm	lbs./ft.	kg./mtr.	
D604	1/4	6	.51	13	3,000	20.7	2.00	51	.12	.18	43/HY

Base part number example.

**NOTE:** The primary dimensions are in black. The metric/inch equivalents appear in blue.

#### Part Number

Hose Series Part Number - When two part numbers are listed, the second number is the static-dissipative or non-conductive design.

#### 2 Inside Diameter

A critical value along with pressure when calculating fluid flow rate and pressure drop.

#### **Outside Diameter**

A critical measurement when considering hose fittings and applications where envelope size is limited.

#### **Working Pressure**

Working pressure rating must meet or exceed the maximum operating pressure of the system including pressure spikes.

#### 5 Minimum Bend Radius

Minimum radius that the hose can be bent. Exceeding the bend radius can cause kinking, inner tube washout, or excessive stress on reinforcement resulting in shortened service life.

#### 6 Weight

Provided where weight is a critical parameter in the design of the system.

#### 7 Approved Fitting

Permanent or field attachable fitting series approved for selected hose. Products with no fitting selection are only available in factory built assemblies.



# Fluoropolymer Hose Selection PSI

ıt			PSI	Fluoro	polym	er Hos	e Work	king Pr	essure	es						
meı						No	minal Si	zes								
Reinforcement Type		Fractional Size	1/8	3/16 15/64	1/4	5/16	13/32 7/16	1/2	5/8	7/8 29/32	1-1/8	1/8	1/4	3/8	1/2	5/8
Rei		Dash Size	-3	-4	-5	-6	-8	-10	-12	-16	-20	-3	-4	-6	-8	-10
			PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI
	919	PTFE Hose	3000	3000	3000	2500	2000	1500	1200	1000	625					
	919B	PTFE Hose with static-dissipative core		3000	3000	2500	2000	4500	4000							
	919J	Silicone Jacketed PTFE Hose		3000	3000	2500	2000	1500	1200	1000						
	919U 929	High Abrasion Resistance PTFE Hose Heavy Wall PTFE Hose		3000		2500 2500	2000		1200	1000						
		Heavy Wall PTFE Hose with static-							4000	4050						
	929B	dissipative core Silicone Jacketed PTFE Hose with		3000		2500	2000		1200	1250						
	929BJ	static-dissipative core		3000		2500	2000		1200	1250						
	939	Convoluted PTFE Hose												1500	1350	1000
	939B	Convoluted PTFE Hose with static- dissipative core												1500	1350	1000
	943B	High Pressure PTFE Hose with static- dissipative core				3000	3000	3000	3000	3000						
	944B	High Pressure PTFE Hose with static- dissipative core		4500		4500	4500	4500	4500	4000						
	950B	High Pressure PTFE Hose with static- dissipative core		4000		4000	4000	4000	4000	4000						
Wire	955B	High Pressure PTFE Hose with static- dissipative core		5500		5500	5500	5500	5500	5500						
>	S30	PAGE Ind. PTFE Hose	3000	3000	3000	2500	2000	1750	1500	1000						
	S30B	PAGE Ind. PTFE Hose with static- dissipative core	3000	3000	3000	2500	2000	1750	1500	1000						
	S40	PAGE Ind. Heavy Wall PTFE Hose	3000	3000	3000	2500	2000	1750	1500	1000						
	S40B	PAGE Ind. Heavy Wall PTFE Hose with static-dissipative core	3000	3000	3000	2500	2000	1750	1500	1000						
	STW Z-STW*	PAGE Heavy Wall PTFE Hose *Double Braid										3000	3000	2000	1750	
	STB Z-STB*	PAGE Heavy Wall PTFE Hose with static- dissipative core *Double Braid										3000	3000	2000	1750	
	SCW	PAGE Convoluted PTFE Hose											1500	1500	1500	
	SCB	PAGE Convoluted PTFE Hose with static- dissipative core											1500	1500	1500	
	SCWV	PAGE Heavy Wall Convoluted PTFE Hose													1500	
	SCBV	PAGE Heavy Wall Convoluted PTFE Hose with static-dissipative core													1500	
	SCWV-FS	PAGE Flare-Seal® PTFE Hose													500	
	SCBV-FS	PAGE Flare-Seal® PTFE Hose with static-dissipative core													500	
	PCW	PAGE Convoluted PTFE Hose, PP Braid											350	350	300	
	PCB	PAGE Convoluted PTFE Hose with static- dissipative core, PP Braid											350	350	300	
٦.	PCWV	PAGE Heavy Wall Convoluted PTFE Hose, PP Briad													300	
Fiber	PCBV	PAGE Heavy Wall Convoluted PTFE Hose with static-dissipative core, PP Briad													300	
	PCWV-FS	PAGE Flare-Seal® PTFE Hose, PP Braid													300	
	PCBV-FS	PAGE Flare-Seal® PTFE Hose with static-dissipative core, PP Briad													300	
	RCTW	PAGE Rubber Covered EPDM													500	
	RCTB	PAGE Rubber Covered EPDM with static-													500	
Other (	SBFW	dissipative core  PAGE Page-Flex® SBF												300	300	
0		PAGE Page-Flex® SBF with static-														
	SBFB	dissipative core												300	300	

<sup>\*</sup>Z indicates double braid.

**Legend** PTFE – Polytetrafluoroethylene

 $\label{eq:FEP-Fluorinated} \textit{FEP}-\textit{Fluorinated Ethylene Propylene}$ 

PTFE-S - Polytetrafluoroethylene, Static Dissipative

PFA - Perfluoroalkoxy



# A Hose

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# Coiled Air Hose & Fittings

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# **Construction/Specifications**

3/4 1 11/4 11/2 2 2-1/2 3	4						
	4				Fractional Size		Reinforcement Type
-12         -16         -20         -24         -32         -40         -48           PSI         PSI         PSI         PSI         PSI         PSI         PSI         PSI	-64 Core Tube	Reinforcement Material	Cover Material	Page #	Dash Size		Rein
	PTFE	SS Wire	_	A-65	PTFE Hose	919	
	PTFE-S	SS Wire	_	A-65	PTFE Hose with static-dissipative core	919B	
	PTFE	SS Wire	S	A-66	Silicone Jacketed PTFE Hose	919J	
	PTFE	SS Wire	U	A-67	High Abrasion Resistance PTFE Hose	919U	
	PTFE	SS Wire	_	A-68	Heavy Wall PTFE Hose	929	
	PTFE-S	SS Wire	_	A-68	Heavy Wall PTFE Hose with static- dissipative core	929B	
	PTFE-S	SS Wire	S	A-69	Silicone Jacketed PTFE Hose with static-dissipative core	929BJ	
1100 1000 1000 750 250	PTFE	SS Wire	_	A-70	Convoluted PTFE Hose	939	
1100 1000 1000 1000 1000	PTFE-S	SS Wire	_	A-70	Convoluted PTFE Hose with static- dissipative core	939B	
	PTFE-S	SS Wire	_	A-71	High Pressure PTFE Hose with static- dissipative core	943B	
	PTFE-S	SS Wire	_	A-72	High Pressure PTFE Hose with static- dissipative core	944B	
	PTFE-S	SS Wire	_	A-73	High Pressure PTFE Hose with static- dissipative core	950B	ē
	PTFE-S	SS Wire	_	A-74	High Pressure PTFE Hose with static- dissipative core	955B	Wire Braid
	PTFE	SS Wire	_	A-75	PAGE Ind. PTFE Hose	S30	Vir.
	PTFE-S	SS Wire	_	A-75	PAGE Ind. PTFE Hose with static- dissipative core	S30B	>
	PTFE	SS Wire	_	A-76	PAGE Ind. Heavy Wall PTFE Hose	S40	
	PTFE-S	SS Wire	_	A-76	PAGE Ind. Heavy Wall PTFE Hose with static-dissipative core	S40B	
1000   1000   1000*   900*	PTFE	SS Wire	_	A-77	PAGE Heavy Wall PTFE Hose *Double Braid	STW Z-STW*	
1000   1000   1000*   900*	PTFE-S	SS Wire	_	A-77	PAGE Heavy Wall PTFE Hose with static- dissipative core *Double Braid	STB Z-STB*	
1200 1000 750 650 450	PTFE	SS Wire	_	A-79	PAGE Convoluted PTFE Hose	SCW	
1200 1000 750 650 450	PTFE-S	SS Wire	_	A-79	PAGE Convoluted PTFE Hose with static- dissipative core	SCB	
1200 1000 750 650 450 200 175	150 PTFE	SS Wire	_	A-81	PAGE Heavy Wall Convoluted PTFE Hose	SCWV	
1200 1000 750 650 450 200 175	150 PTFE-S	SS Wire	_	A-81	PAGE Heavy Wall Convoluted PTFE Hose with static-dissipative core	SCBV	
425 350 325 300 250 200 175	150 PTFE	SS Wire	_	A-83	PAGE Flare-Seal® PTFE Hose	SCWV-FS	
425 350 325 300 250 200 175	150 PTFE-S	SS Wire	_	A-83	PAGE Flare-Seal® PTFE Hose with static-dissipative core	SCBV-FS	
250 250 200 200 200 200 200 200 200 b	200 PTFE	PP	_	A-80	PAGE Convoluted PTFE Hose, PP Braid	PCW	
250 250 200 200 200 200 200 200	200 PTFE-S	PP	_	A-80	PAGE Convoluted PTFE Hose with static- dissipative core, PP Braid	PCB	
250 250 200 200 200 150 125	100 PTFE	PP	_	A-82	PAGE Heavy Wall Convoluted PTFE Hose, PP Briad	PCWV	-E
250 250 200 200 200 150 125	100 PTFE-S	PP	_	A-82	PAGE Heavy Wall Convoluted PTFE Hose with static-dissipative core, PP Briad	PCBV	Fiber
250 250 200 200 200 150 125	100 PTFE	PP	_	A-84	PAGE Flare-Seal® PTFE Hose, PP Braid	PCWV-FS	
250 250 200 200 200 150 125	100 PTFE-S	PP	_	A-84	PAGE Flare-Seal® PTFE Hose with static-dissipative core, PP Briad	PCBV-FS	
500 450 375 375 300 200 200	150 FEP	Double Wire Helix	EPDM	A-85	PAGE Rubber Covered EPDM	RCTW	
500 450 375 375 300 200 200	150 PFA-S	Double Wire Helix	EPDM	A-85	PAGE Rubber Covered EPDM with static- dissipative core	RCTB	<u></u>
250 250 200	PFA	Bonded Wire- Silicone-Fiber	_	A-78	PAGE Page-Flex® SBF	SBFW	Other
250 250 200	PFA-S	Bonded Wire- Silicone-Fiber	_	A-78	PAGE Page-Flex® SBF with static- dissipative core	SBFB	

 ${\sf PFA-S-Perfluoroalkoxy}, Static\ {\sf Dissipative}$ 

PP - Polypropylene

S – Silicone

U – Polyurethane



# Fluoropolymer Hose Selection MPa

ŧ			MPa	Fluoro	polym	er Hos	se Wor	king P	ressur	es						
Reinforcement Type		Eurobian al Oia				No	minal Si	zes								
forcer Type		Fractional Size	1/8	3/16	1/4	5/16	13/32 7/16	1/2	5/8	7/8 29/32	1-1/8	1/8	1/4	3/8	1/2	5/8
ein!		Dash Size	-3	-4	-5	-6	-8	-10	-12	-16	-20	-3	-4	-6	-8	-10.3
ш			MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa
	919	PTFE Hose	20.7	20.7	20.7	17.2	13.8	10.3	8.3	6.9	4.3					
	919B	PTFE Hose with static-dissipative core		20.7	20.7	17.2	13.8									
	919J	Silicone Jacketed PTFE Hose		20.7	20.7	17.2	13.8	10.3	8.3							
	919U	High Abrasion Resistance PTFE Hose		20.7		17.2	13.8		8.3	6.9						
	929	Heavy Wall PTFE Hose		20.7		17.2	13.8									
	929B	Heavy Wall PTFE Hose with static- dissipative core		20.7		17.2	13.8		8.3	9						
	929BJ	Silicone Jacketed PTFE Hose with static-dissipative core		20.7		17.2	13.8		8.3	9						
	939	Convoluted PTFE Hose												10.3	9.3	6.9
	939B	Convoluted PTFE Hose with static- dissipative core												10.3	9.3	6.9
	943B	High Pressure PTFE Hose with static- dissipative core				20.7	20.7	20.7	20.7	20.7						
	944B	High Pressure PTFE Hose with static- dissipative core		31.0		31.0	31.0	31.0	31.0	27.5						
	950B	High Pressure PTFE Hose with static- dissipative core		27.5		27.5	27.5	27.5	27.5	27.5						
Wire	955B	High Pressure PTFE Hose with static- dissipative core		37.9		37.9	37.9	37.9	37.9	37.9						
	S30	PAGE Ind. PTFE Hose	20.7	20.7	20.7	17.2	13.8	12.1	10.3	6.9						
	S30B	PAGE Ind. PTFE Hose with static- dissipative core	20.7	20.7	20.7	17.2	13.8	12.1	10.3	6.9						
	S40	PAGE Ind. Heavy Wall PTFE Hose	20.7	20.7	20.7	17.2	13.8	12.1	10.3	6.9						
	S40B	PAGE Ind. Heavy Wall PTFE Hose with static-dissipative core	20.7	20.7	20.7	17.2	13.8	12.1	10.3	6.9						
	STW Z-STW*	PAGE Heavy Wall PTFE Hose *Double Braid										20.7	20.7	13.8	12.1	
	STB Z-STB*	PAGE Heavy Wall PTFE Hose with static- dissipative core *Double Braid										20.7	20.7	13.8	12.1	
	SCW	PAGE Convoluted PTFE Hose											10.3	10.3	10.3	
	SCB	PAGE Convoluted PTFE Hose with static- dissipative core											10.3	10.3	10.3	
	SCWV	PAGE Heavy Wall Convoluted PTFE Hose													10.3	
	SCBV	PAGE Heavy Wall Convoluted PTFE Hose with static-dissipative core													10.3	
	SCWV-FS	PAGE Flare-Seal® PTFE Hose													3.5	
	SCBV-FS	PAGE Flare-Seal® PTFE Hose with static-dissipative core													3.5	
	PCW	PAGE Convoluted PTFE Hose, PP Braid											2.4	2.4	2.1	
	PCB	PAGE Convoluted PTFE Hose with static- dissipative core, PP Braid											2.4	2.4	2.1	
ēr	PCWV	PAGE Heavy Wall Convoluted PTFE Hose, PP Briad													2.1	
Fiber	PCBV	PAGE Heavy Wall Convoluted PTFE Hose with static-dissipative core, PP Briad													2.1	
	PCWV-FS	PAGE Flare-Seal® PTFE Hose, PP Braid													2.1	
	PCBV-FS	PAGE Flare-Seal® PTFE Hose with static-dissipative core, PP Briad													2.1	
	RCTW	PAGE Rubber Covered EPDM													3.5	
e.	RCTB	PAGE Rubber Covered EPDM with static- dissipative core													3.5	
Other	SBFW	PAGE Page-Flex® SBF												2.1	2.1	
	SBFB	PAGE Page-Flex® SBF with static- dissipative core												2.1	2.1	

<sup>\*</sup>Z indicates double braid.

**Legend** PTFE – Polytetrafluoroethylene

FEP – Fluorinated Ethylene Propylene

PTFE-S - Polytetrafluoroethylene, Static Dissipative

PFA - Perfluoroalkoxy



# A Hose

# **Construction/Specifications**

												<u> </u>		
					P	SI Fluc	ropoly	mer Co	nstruction an	d Spec	ificati	ons		ent
3/4	1	1 1/4	1 1/2	2	2-1/2	3	4					Fractional Size		Reinforcement Type
-12. PSI	-16 PSI	-20 PSI	-24 PSI	-32 PSI	-40 PSI	-48 PSI	-64 PSI	Core Tube	Reinforcement Material	Cover Material	Page #	Dash Size		Rein
POI	POI	POI	POI	POI	POI	POI	POI	PTFE	SS Wire		A-65	PTFE Hose	919	
								PTFE-S	SS Wire		A-65	PTFE Hose with static-dissipative core	919B	
								PTFE	SS Wire	S	A-66	Silicone Jacketed PTFE Hose	919J	
								PTFE	SS Wire	U	A-67	High Abrasion Resistance PTFE Hose	919U	
								PTFE	SS Wire	_	A-68	Heavy Wall PTFE Hose	929	
								PTFE-S	SS Wire	_	A-68	Heavy Wall PTFE Hose with static- dissipative core	929B	
								PTFE-S	SS Wire	S	A-69	Silicone Jacketed PTFE Hose with static-dissipative core	929BJ	
7.6	6.9	6.9	5.2	1.7				PTFE	SS Wire	_	A-70	Convoluted PTFE Hose	939	
7.6	6.9	6.9	5.2	1.7				PTFE-S	SS Wire	_	A-70	Convoluted PTFE Hose with static- dissipative core	939B	
								PTFE-S	SS Wire	_	A-71	High Pressure PTFE Hose with static- dissipative core	943B	
								PTFE-S	SS Wire	_	A-72	High Pressure PTFE Hose with static- dissipative core	944B	
								PTFE-S	SS Wire	_	A-73	High Pressure PTFE Hose with static- dissipative core	950B	aid
								PTFE-S	SS Wire	_	A-74	High Pressure PTFE Hose with static- dissipative core	955B	Wire Braid
								PTFE	SS Wire	_	A-75	PAGE Ind. PTFE Hose	S30	ĕ
								PTFE-S	SS Wire	_	A-75	PAGE Ind. PTFE Hose with static- dissipative core	S30B	
								PTFE	SS Wire	_	A-76	PAGE Ind. Heavy Wall PTFE Hose	S40	
								PTFE-S	SS Wire	_	A-76	PAGE Ind. Heavy Wall PTFE Hose with static-dissipative core	S40B	
6.9	6.9 8.3*	6.9*	6.2*					PTFE	SS Wire	_	A-77	PAGE Heavy Wall PTFE Hose *Double Braid	STW Z-STW*	
6.9	6.9 8.3*	6.9*	6.2*					PTFE-S	SS Wire	_	A-77	PAGE Heavy Wall PTFE Hose with static- dissipative core *Double Braid	STB Z-STB*	
8.3	6.9	5.2	4.5	3.1				PTFE	SS Wire	_	A-79	PAGE Convoluted PTFE Hose	SCW	
8.3	6.9	5.2	4.5	3.1				PTFE-S	SS Wire	_	A-79	PAGE Convoluted PTFE Hose with static- dissipative core	SCB	
8.3	6.9	5.2	4.5	3.1	1.4	1.2	1.0	PTFE	SS Wire	_	A-81	PAGE Heavy Wall Convoluted PTFE Hose	SCWV	
8.3	6.9	5.2	4.5	3.1	1.4	1.2	1.0	PTFE-S	SS Wire	_	A-81	PAGE Heavy Wall Convoluted PTFE Hose with static-dissipative core	SCBV	
2.9	2.4	2.2	2.1	1.7	1.4	1.2	1.0	PTFE	SS Wire	_	A-83	PAGE Flare-Seal® PTFE Hose	SCWV-FS	
2.9	2.4	2.2	2.1	1.7	1.4	1.2	1.0	PTFE-S	SS Wire	-	A-83	PAGE Flare-Seal® PTFE Hose with static-dissipative core	SCBV-FS	
1.7	1.7	1.4	1.4	1.4	1.4	1.4	1.4	PTFE	PP	_	A-80	PAGE Convoluted PTFE Hose, PP Braid	PCW	
1.7	1.7	1.4	1.4	1.4	1.4	1.4	1.4	PTFE-S	PP	_	A-80	PAGE Convoluted PTFE Hose with static- dissipative core, PP Braid	PCB	
1.7	1.7	1.4	1.4	1.4	1.0	.86	.69	PTFE	PP	_	A-82	PAGE Heavy Wall Convoluted PTFE Hose, PP Briad	PCWV	Fiber
1.7	1.7	1.4	1.4	1.4	1.0	.86	.69	PTFE-S	PP	_	A-82	PAGE Heavy Wall Convoluted PTFE Hose with static-dissipative core, PP Briad	PCBV	证
1.7	1.7	1.4	1.4	1.4	1.0	.86	.69	PTFE	PP	_	A-84	PAGE Flare-Seal® PTFE Hose, PP Braid	PCWV-FS	
1.7	1.7	1.4	1.4	1.4	1.0	.86	.69	PTFE-S	PP	_	A-84	PAGE Flare-Seal® PTFE Hose with static-dissipative core, PP Briad	PCBV-FS	
3.5	3.1	2.6	2.6	2.1	1.4	1.4	1.0	FEP	Double Wire Helix	EPDM	A-85	PAGE Rubber Covered EPDM with statio	RCTW	
3.5	3.1	2.6	2.6	2.1	1.4	1.4	1.0	PFA-S	Double Wire Helix	EPDM	A-85	PAGE Rubber Covered EPDM with static- dissipative core	RCTB	Other
1.7	1.7		1.4					PFA	Bonded Wire- Silicone-Fiber	_	A-78	PAGE Page-Flex® SBF	SBFW	Q
1.7	1.7		1.4					PFA-S	Bonded Wire- Silicone-Fiber	-	A-78	PAGE Page-Flex® SBF with static- dissipative core	SBFB	

PFA-S - Perfluoroalkoxy, Static Dissipative

PP - Polypropylene

S – Silicone

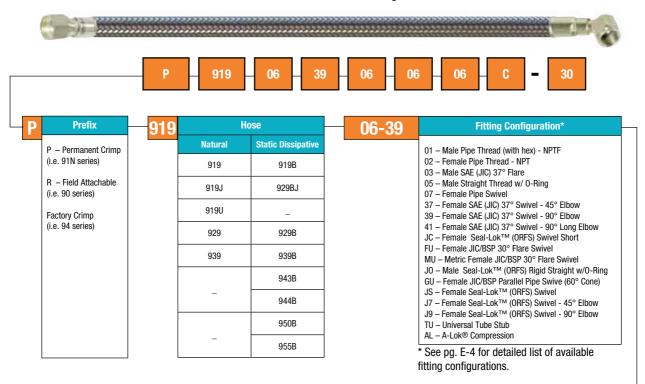
U – Polyurethane



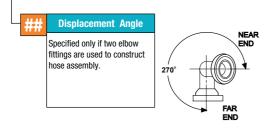
**O** General Technical

# **Parflex PTFE Hoses**

### **Parflex PTFE Hose Assembly Nomenclature**



06	Connec	ction	ı Size 1	06	Conne	ctio	1 Size 2	06	Hos	se S	Size	Н	C	Fitting Material	30	Overall Length
	-2	1	1/8		-2	2	1/8		-2	=	1/8					
	-3	1	3/16		-3	2	3/16		-3	=	3/16	1		** No Material Designation		Expressed in Inches
	-4	1	1/4		-4	2	1/4		-4	=	1/4	1		No Material Designation		monos
	-5	1	5/16		-5	2	5/16		-5	=	5/16	1		C = Stainless Steel		OAL measured
	-6	1	3/8		-6	2	3/8		-6	=	3/8	1		D. D (O4N)		from centerline of fitting seat if
	-8	1	1/2		-8	2	1/2		-8	=	1/2	1		B = Brass (91N)		elbow fittings
	-10	1	5/8		-10	2	5/8		-10	=	5/8	1		S = All Steel (91N)		are used.
	-12	1	3/4		-12	2	3/4		-12	=	3/4	1				
	-16	1	1		-16	2	1		-16	=	1	1				
	-20	1	1-1/4		-20	2	1-1/4		-20	=	1-1/4					
	-24	1	1-1/2		-24	2	1-1/2		-24	=	1-1/2	1			1	
	-32	1	2		-32	2	2		-32	=	2	1				



**—**Parker

## 919/919B - PTFE Hose





#### **Features**

- Excellent chemical compatibility
- Handles extreme temperatures to +450°F
- Environmentally safe
- Resists moisture
- Low friction minimizes pressure drops and deposits

#### **Certifications**

- Meets or Exceeds SAE 100R14A 919
- Meets or Exceeds SAE 100R14B 919B
- FDA CFR 177.1550 (Natural tube)

#### **Applications/Markets**











- Chemical transfer lines
- General hydraulics
- Compressed air/gases
- Adhesive dispensing
- Coolant Lines
- Medical Gases

	art nber	Nom I.I		Maxi 0.		Maxi Wor Pres	king	Mini Be Rac		Vac. Rating Hg./73°F	Wei	ight	Permanent Fitting Series	Field Attachable Series
#	#	(	$\overline{\bigcirc}$	(	$\bigcirc$		<u></u>	5	9	Ū	lbs			
Natural	Conductive	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.		
919-3	-	1/8	3	.25	6	3,000	20.7	1.50	38	28	.04	.06	91	-
919-4	919B-4	3/16	5	.32	8	3,000	20.7	2.00	51	28	.06	.09	91N	90
919-5	919B-5	1/4	6	.38	10	3,000	20.7	3.00	76	28	.09	.13	91N	90
919-6	919B-6	5/16	8	.44	11	2,500	17.2	4.00	102	28	.10	.15	91N	90
919-8	919B-8	13/32	10	.53	13	2,000	13.8	5.00	127	28	.13	.19	91N	90
919-10	-	1/2	13	.63	16	1,500	10.3	6.50	165	28	.15	.22	91N	90
919-12	-	5/8	16	.75	19	1,200	8.3	7.50	191	12	.19	.28	91N	90
919-16	-	7/8	22	1.03	26	1,000	6.9	9.00	229	14	.27	.40	91N	90
919-20	-	1-1/8	29	1.28	33	625	4.3	16.00	406	10	.39	.58	91	90

#### Construction

Tube: 919 - Natural FDA Compliant PTFE 919B - Black Static-Dissipative PTFE Reinforcement: 304 Stainless Steel braid

#### **Operating Parameters**

Temperature Range:

-100°F to +450°F (-73°C to +232°C)

Change in length at working pressure is +2% to -4% Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

#### **Fittings**

90 Series - pg. E-45

91 Series - pg. E-52

91N Series - pg. E-52

For Crimp Die Selection charts see pgs. G-30: G-41 Crimp information can be found online, for most Parker products, at www.parker.com/crimpsource

#### **Notes**

Use hose type 919B with static-dissipative core tube when conveying non-conducting fluids such as oils, paints, fuels, steam, etc.

### 919J - Silicone Jacketed PTFE Hose



#### **Features**

- Silicone jacket provides a clean, smooth cover to protect the stainless steel wire reinforcement against wear, fraying and contaminants
- Steam cleanable

#### **Certifications**

- Meets or Exceeds SAE 100R14A
- FDA CFR 177.1550

### **Applications/Markets**











- Chemical transfer lines
- General hydraulics
- Compressed air/gases
- Adhesive dispensing
- Coolant Lines
- Medical Gases

Part Number	Nom I.I	ninal D.		mum D.	Wor	mum king sure	Ве	mum end lius	Vac. Rating Hg./73°F	We	ight	Permanent Fitting Series
#	(	$\overline{)}$	(			<u></u>	5	9	ŗ	lbs		
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
919J-4-RED	3/16	5	.45	11	3,000	20.7	2.00	51	28	.12	.18	91N
919J-5-RED	1/4	6	.52	13	3,000	20.7	3.00	76	28	.14	.21	91N
919J-6-RED	5/16	8	.58	15	2,500	17.2	4.00	102	28	.17	.25	91N
919J-8-RED	13/32	10	.68	17	2,000	13.8	5.00	127	28	.20	.30	91N
919J-10-RED	1/2	13	.78	20	1,500	10.3	6.50	165	28	.24	.35	91N
919J-12-RED	5/8	16	.91	23	1,200	8.3	7.50	191	12	.29	.43	91N

#### Construction

Tube: Natural FDA compliant PTFE Reinforcement: 304 Stainless Steel braid

Cover: Extruded silicone

#### **Operating Parameters**

Temperature Range:

-40°F to +450°F (-40°C to +232°C)

Change in length at working pressure is +2% to -4%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

#### **Fittings**

91N Series - pg. E-52

For Crimp Die Selection charts see pgs. G-30: G-41 Crimp information can be found online, for most Parker products, at www.parker.com/crimpsource

#### **Colors**

Red

#### **Notes**

Cover must be skived prior to fitting attachment



# 919U - High Abrasion Resistance PTFE Hose



#### **Features**

 Non-Marring, abrasion resistant polyurethane jacket protects the stainless steel wire reinforcement against wear, fraying and contaminants

#### **Certifications**

- Meets or Exceeds SAE 100R14A but operates at a temperature range of -40°F to +275°F
- FDA CFR 177.1550

#### **Applications/Markets**











- Chemical transfer lines
- General hydraulics
- Compressed air/gases
- Adhesive dispensing
- Coolant Lines
- Medical Gases

Part Number	Nom I.I		Maximum 0.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	We	ight	Permanent Fitting Series
#			0				$\mathcal{A}_{\mathbf{k}}$		Ç	lbs		
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
919U-4	3/16	5	.37	9	3,000	20.7	2.00	51	28	.08	.13	91N
919U-6	5/16	8	.51	13	2,500	17.2	4.00	102	28	.13	.20	91N
919U-8	13/32	10	.61	15	2,000	13.8	5.00	127	28	.15	.22	91N
919U-12	5/8	16	.84	21	1,200	8.3	7.50	191	12	.22	.33	91N
919U-16	7/8	22	1.12	28	1,000	6.9	9.00	229	14	.31	.47	91N

#### Construction

Tube: Natural FDA compliant PTFE Reinforcement: 304 Stainless Steel braid

Cover: Polyurethane

#### **Operating Parameters**

Temperature Range:

-40°F to +275°F (-40°C to +135°C)

Change in length at working pressure is +2% to -4%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

#### **Fittings**

91N Series - pg. E-52

For Crimp Die Selection charts see pgs. G-30: G-41 Crimp information can be found online, for most Parker products, at www.parker.com/crimpsource

#### **Colors**

Black

#### Notes

Cover must be skived prior to fitting attachment Other colors available upon request



# 929/929B - Heavy Wall PTFE Hose





#### **Features**

- Tight bend radius
- Excellent kink resistance
- Enhanced resistance to gas permeation due to increased PTFE wall thickness (.040")

#### **Certifications**

- Meets or Exceeds SAE 100R14A 929
- Meets or Exceeds SAE 100R14B 929B
- FDA CFR 177.1550 (Natural tube)

#### **Applications/Markets**











- Chemical transfer lines
- General hydraulics
- Compressed air/gases
- Adhesive dispensing
- Coolant Lines
- Medical Gases
- 919 (100R14) hose applications requiring tight routings

	Part Nominal Number I.D.			Maximum 0.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	We	ight	Permanent Fitting Series
#	#	0						$\mathcal{A}$		Ū	lbs	lag	
Natural	Conductive	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
929-4	929B-4	3/16	5	.34	9	3,000	20.7	2.00	51	28	.08	.12	91N
929-6	929B-6	5/16	8	.47	12	2,500	17.2	4.00	102	28	.12	.18	91N
929-8	929B-8	13/32	10	.59	15	2,000	13.8	4.60	117	28	.16	.23	91N
-	929B-12	5/8	16	.81	21	1,200	8.3	6.50	165	12	.19	.28	91N
-	929B-16	7/8	22	1.14	29	1,250	8.6	7.40	188	12	.49	.73	91N

#### **Construction**

Tube: 929 - Natural FDA Compliant PTFE 929B - Black Static-Dissipative PTFE Reinforcement: 304 Stainless Steel braid

#### **Operating Parameters**

Temperature Range:

-100°F to +450°F (-73°C to +232°C)

Change in length at working pressure is +2% to -4% Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

#### **Fittings**

91N Series - pg. E-52

For Crimp Die Selection charts see pgs. G-30: G-41 Crimp information can be found online, for most Parker products, at www.parker.com/crimpsource

#### **Notes**

Use hose type 929B with static-dissipative core tube when conveying non-conducting fluids such as oils, paints, fuels, steam, etc.



### 929BJ - Silicone Jacketed PTFE Hose (with Static-Dissipative Tube)



#### **Features**

- Silicone jacket protects SS wire reinforcement against wear and fraying, up to 450°F
- Silicone jacket provides clean, smooth cover and prevents contaminants from accumulating in braid
- Tight bend radius
- Excellent kink resistance
- Enhanced resistance to gas permeation due to increased PTFE wall thickness
- Steam cleanable

#### **Applications/Markets**











- Vacuum lines for high temperature autoclaves (may require internal spring guard)
- General hydraulics
- Compressed air/gases

Part Number	Nom I.I			mum D.	Tu W		Maxi Wor Pres	king	Minimum Bend Radius		Vac. Rating Hg./73°F	We	ight	Permanent Fitting Series
#							<b>\$</b>		Ę	lbs				
	inch	mm	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
929BJ-4	3/16	5	.58	15	.040	1.02	3,000	20.7	2.00	51	28	.17	.25	91N
929BJ-6	5/16	8	.70	18	.040	1.02	2,500	17.2	4.00	102	28	.23	.34	91N
929BJ-8	13/32	10	.81	20	.044	1.12	2,000	13.8	4.60	117	28	.29	.43	91N
929BJ-12	5/8	16	1.04	26	.048	1.22	1,200	8.3	6.50	165	12	.40	.60	91N
929BJ-16	7/8	22	1.36	35	.048	1.22	1,250	8.6	7.40	188	14	.78	1.16	91N

#### Construction

Tube: Black static-dissipative PTFE Reinforcement: 304 Stainless Steel braid

Cover: Silicone jacket

#### **Operating Parameters**

Temperature Range:

-65°F to +450°F (-54°C to +232°C)

Change in length at working pressure is +2% to -4%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

#### **Fittings**

91N Series - pg. E-52

For Crimp Die Selection charts see pgs. G-30: G-41 Crimp information can be found online, for most Parker products, at www.parker.com/crimpsource

#### Colors

Brown

#### **Notes**

Cover must be skived prior to fitting attachment



Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd

## 939/939B - Convoluted PTFE Hose



#### **Features**

- Excellent flexibility
- Exceptional kink resistance

#### **Certifications**

• FDA CFR 177.1550 (Natural tube)

### **Applications/Markets**











- Chemical transfer
- General hydraulics
- Hose applications requiring tight routings

	art nber	Nominal I.D.		Maximum 0.D.		Maxi Worl Pres	king	Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#	0						<i>₹</i>		Ū	lbs	lug	
Natural	Conductive	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
939-6	939B-6	3/8	10	.59	15	1,500	10.3	2.25	57	28	.12	.18	93N
939-8	939B-8	1/2	13	.79	20	1,350	9.3	2.88	73	28	.21	.31	93N
939-10	939B-10	5/8	16	.88	22	1,000	6.9	3.00	76	28	.24	.36	93N
939-12	939B-12	3/4	19	1.09	28	1,100	7.6	3.75	95	28	.32	.47	93N
939-16	939B-16	1	25	1.33	34	1,000	6.9	5.00	127	28	.45	.67	93N
939-20	939B-20	1-1/4	32	1.75	44	1,000	6.9	6.25	159	20*	.70	1.04	93N
939-24	939B-24	1-1/2	38	2.05	52	750	5.2	7.50	191	12*	.80	1.18	93N
939-32	939B-32	2	51	2.56	65	250	1.7	10.00	254	5*	1.01	1.50	93N

#### Construction

Tube: 939 - Natural FDA Compliant PTFE 939B - Black Static-Dissipative PTFE Reinforcement: 304 Stainless Steel braid

#### **Operating Parameters**

Temperature Range:

-100°F to +450°F (-73°C to +232°C)

Change in length at working pressure is +2% to -4%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

#### **Fittings**

93N Series - pg. E-67

For Crimp Die Selection charts see pgs. G-30: G-41 Crimp information can be found online, for most Parker products, at www.parker.com/crimpsource

#### Notes

Use hose type 939B with static-dissipative core tube when conveying non-conducting fluids such as oils, paints, fuels, steam, etc.

Not suggested for steam-cold water cycling applications  $^{*}$  28 in/Hg can be obtained by using 2799 internal spring guard. See pg. F-23



# 943B - 3,000 PSI W.P. High Temp Hose



#### **Features**

- High temperature hydraulic hose
- Excellent chemical compatibility
- Resists moisture
- Low friction minimizes pressure drops and deposits

#### **Certifications**

Meets or Exceeds SAE 100R7 and SAE 100R17

#### **Applications/Markets**











- High temp hydraulic applications
- Chemical transfer
- Compressed air/gases

Part Number	Nominal I.D.			Maximum 0.D.		Maximum Working Pressure		Minimum Bend Radius		Weight	
#	0						<i>₹</i>		Ç		
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.
943B-6	5/16	8	.49	12	3,000	20.7	2.50	64	28	.18	.26
943B-8	13/32	10	.62	16	3,000	20.7	2.88	73	28	.24	.35
943B-10	1/2	13	.73	19	3,000	20.7	3.25	83	28	.32	.46
943B-12	5/8	16	.99	25	3,000	20.7	4.00	102	28	.70	1.01
943B-16	29/32	23	1.25	32	3,000	20.7	5.00	127	28	1.02	1.53

#### Construction

Tube: Black static-dissipative PTFE Reinforcement: 304 Stainless Steel braid

#### **Operating Parameters**

Temperature Range:

-65°F to +400°F (-54°C to +204°C)

Change in length at working pressure is +2% to -2%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

#### **Fittings**

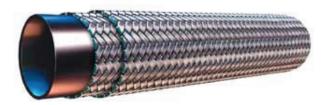
94 Series - pg. E-70

#### **Notes**

Factory-made assemblies only

Not suggested for steam-cold water cycling applications

# 944B - 4,000-4,500 PSI W.P. High Temp Hose



#### **Features**

- High temperature hydraulic hose
- Excellent chemical compatibility
- Resists moisture
- Low friction minimizes pressure drops and deposits

#### **Applications/Markets**











- General hydraulics
- Chemical transfer
- Compressed air/gases
- Paint striping

Part Number	Nominal I.D.		Maximum 0.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Wei	Weight	
#	0						<i>\$</i>		Ç	lbs		
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
944B-4	15/64	6	.39	10	4,500	31.0	1.50	38	28	.11	.16	
944B-6	5/16	8	.49	12	4,500	31.0	2.50	64	28	.17	.24	
944B-8	7/16	11	.62	16	4,500	31.0	2.88	73	28	.25	.35	
944B-10	1/2	13	.73	19	4,000	27.6	3.25	83	28	.31	.45	
944B-12	5/8	16	.99	25	4,000	27.6	4.00	102	28	.74	1.05	
944B-16	29/32	23	1.25	32	4,000	27.6	5.00	127	28	1.09	1.55	

#### Construction

Tube: Black static-dissipative PTFE Reinforcement: 304 Stainless Steel braid

#### **Operating Parameters**

Temperature Range:

-65°F to +400°F (-54°C to +204°C)

Change in length at working pressure is +2% to -2%

Min. Burst Pressure is 3x Max. Working Pressure at 73°F (23°C)

#### **Fittings**

94 Series - pg. E-70

#### **Notes**

Factory-made assemblies only

Not suggested for steam-cold water cycling applications Reduce pressure to 3,000 psi (20.7MPa) for pressure impulse applications



# 950B - 4,000 PSI W.P. High Temp Hose



#### **Features**

- High temperature hydraulic hose
- Excellent chemical compatibility
- Resists moisture
- Low friction minimizes pressure drops and deposits

#### **Applications/Markets**











- High temp hydraulic applications
- Chemical transfer
- Compressed air/gases

Part Number	Nominal I.D.				Maxi 0.	mum D.	Wor	mum king sure	Be	mum end dius	Vac. Rating Hg./73°F	We	ight
#	(		0				$\mathcal{A}$		Ū	] [lbs	lag lag		
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.		
950B-4	15/64	6	.50	13	4,000	27.6	3.00	76	28	.20	.27		
950B-6	5/16	8	.62	16	4,000	27.6	5.00	127	28	.24	.36		
950B-8	7/16	11	.75	19	4,000	27.6	5.75	146	28	.45	.68		
950B-12	5/8	16	1.08	27	4,000	27.6	7.75	197	28	.96	1.43		
950B-16	29/32	23	1.36	34	4,000	27.6	9.63	245	28	1.30	1.93		

#### Construction

Tube: Black static-dissipative PTFE Reinforcement: Multiple high density braids of

304 Stainless Steel

#### **Fittings**

95 Series - pg. E-70

#### **Notes**

Factory-made assemblies only

#### **Operating Parameters**

Temperature Range:

-65°F to +400°F (-54°C to +204°C)

Change in length at working pressure is +2% to -2%

Min. Burst Pressure is 3x Max. Working Pressure at 73°F (23°C)

# 955B - 5,500 PSI W.P. High Temp Hose



#### **Features**

- High temperature hydraulic hose
- Excellent chemical compatibility
- Resists moisture
- Low friction minimizes pressure drops and deposits

#### **Applications/Markets**











- General hydraulics
- Chemical transfer
- Compressed air/gases

Part Number	Nominal I.D.		Maximum 0.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight	
#	0				1		<i>A</i>		Ç	lbs	
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.
955B-4	15/64	6	.50	13	5,500	37.9	3.00	76	28	.23	.34
955B-6	5/16	8	.62	16	5,500	37.9	5.00	127	28	.24	.35
955B-8	7/16	11	.75	19	5,500	37.9	5.75	146	28	.46	.68
955B-10	1/2	13	.91	23	5,500	37.9	6.50	165	28	.91	1.34
955B-12	5/8	16	1.08	27	5,500	37.9	7.75	197	28	.92	1.36
955B-16	29/32	23	1.36	34	5,500	37.9	9.63	245	28	1.20	1.77

#### Construction

Tube: Black static-dissipative PTFE

Reinforcement: Multiple high density braids of 304 Stainless Steel  $\,$ 

#### **Operating Parameters**

Temperature Range:

-65°F to +400°F (-54°C to +204°C)

Change in length at working pressure is +2% to -2% Min. Burst Pressure is 16,000 psi at 73°F (23°C)

#### **Fittings**

95 Series - pg. E-70

#### **Notes**

Factory-made assemblies only

Not suggested for steam-cold water cycling applications Reduce operating pressure to 4000 PSI (27.6 MPa) for impulse service applications

