

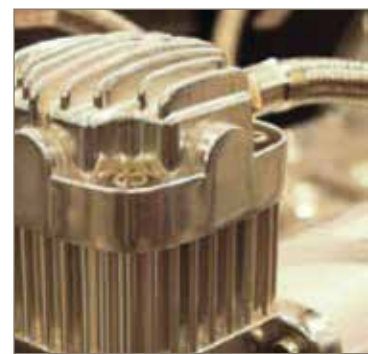


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# Fluoropolymer Hose

Industrial Applications



ENGINEERING YOUR SUCCESS.

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# Parflex Fluoropolymer Hoses

## Hoses That Handle Extremes

For decades, Parflex has been known as an industry leader in the manufacture and supply of industrial hoses. Building upon this foundation, Parflex expanded their industrial line to include Fluoropolymer Hoses for high temperature, chemical resistant applications.

All of the Parflex Fluoropolymer hoses consist of an extruded PTFE core. PTFE has an excellent flex life, handles high temperatures and offers superior chemical and corrosion resistance. Additionally, PTFE can be extruded with a static dissipative innercore to prevent the attraction of dust and other particulate and reduce the build-up of static charges.

In the case of a PTFE hose, static electricity is caused when a non-conducting fluid flows at a high velocity through the PTFE natural

### Chemical Resistance

Inert to virtually all chemicals

### Handles Extreme Temperatures

-100°F to +450°F

### Environmentally Safe

Low Effusion

### Low Friction

Minimizes pressure drops & deposits

### FDA Compliant

Natural PTFE core tube

### Resists Moisture

< 0.1% moisture absorption

### Static-Dissipative Available

### Unlimited Shelf Life

core tube. When a static charge builds up in the tube of a PTFE hose, it will look for the path of least resistance to ground. If the tube is nonconductive, then the path of least resistance may be to pierce through the wall of the PTFE tube to the conductive Stainless Steel Braid and eventually to the metal fittings and back-to ground through the equipment to which the hose assembly is connected.

The purpose of a static dissipating tube on the inside of the hose is to provide an acceptable path of least resistance and allow the static build-up to dissipate through the core tube to the metal fittings and eventually to ground. Parflex static-dissipative hose is designated with a B after the series number. Example: Hose type 919B-6 is the static-dissipative version of hose type 919-6.

## Fluoropolymer Hose Construction



### 1. Core

Contains Media

Materials: Natural or Static-Dissipative PTFE with a Smoothbore or Convuluted Core

### 2. Reinforcement

Provides Resistance to Internal Pressure

Materials: Stainless Steel

### 3. Jacket or Protective Sleeve

Protects Reinforcement

Materials: Silicone, Polyurethane

 **Parker Safety Guide for Selecting and Using Hose, Tubing, Fittings and Related Accessories**  
Publication No. 4400-B.1 Revised: November 2007

- **WARNING:** Failure or improper selection or improper use of hose, tubing, fittings, assemblies, or related accessories ("Products") can cause death, personal injury and property damage. Possible consequences of failure or improper selection or improper use of these Products include, but are not limited to:
  - Fittings thrown off at high speed.
  - High velocity fluid discharge.
  - Explosion or burning of the conveyed fluid.
  - Electrocution from high voltage electric power lines.
  - Contact with suddenly moving or falling objects that are controlled by the conveyed fluid.
  - Injections by high-pressure fluid discharge.
  - Dangerously whipping hose.
  - Contact with conveyed fluids that may be hot, cold, toxic, or otherwise injurious.
  - Sparking or explosion caused by static electricity buildup or other sources of electricity.
  - Sparking or explosion while spraying paint or flammable liquids.
  - Injuries resulting from inhalation, ingestion or exposure to fluids.

Before selecting or using any of these Products, it is important that you read the safety guide at [www.parker.com/parflex](http://www.parker.com/parflex). Only **hose** from Parker's Stratoflex Products Division is approved for in-flight aerospace applications.

# 919/919B – PTFE Hose



## Features

- Excellent chemical compatibility
- Handles extreme temperatures to +450°F
- Environmentally safe
- Low moisture permeability
- 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

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series	Field Attachable Series
#	#													
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

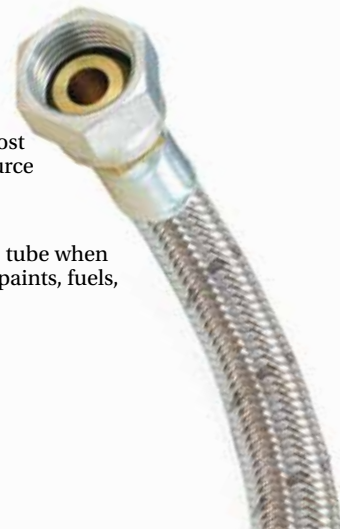
Temperature Range:  
 -100°F to +450°F (-73°C to +232°C)  
 Change in length at working pressure is +2% to -4%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

90 Series  
 91 Series  
 91N Series  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://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.



\*For additional application data, reference Catalog 4660 Material Compatibility Charts and Agency Approvals/Specifications.

# 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 (Natural tube)

## Applications/Markets



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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
	inch	mm	inch	mm	psi	MPa	inch	mm		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  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Red

## Notes

Cover must be skived prior to fitting attachment

\*For additional application data, reference Catalog 4660 Material Compatibility Charts and Agency Approvals/Specifications.

# 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 (Natural tube)

## Applications/Markets



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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
	inch	mm	inch	mm	psi	MPa	inch	mm		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  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

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



\*For additional application data, reference Catalog 4660 Material Compatibility Charts and Agency Approvals/Specifications.

# 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 Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#	⊙		⊙		↗		↘		U	lbs	kg	⊗
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  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://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.

\*For additional application data, reference Catalog 4660 Material Compatibility Charts and Agency Approvals/Specifications.

# 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	Nominal I.D.		Maximum O.D.		Tube Wall		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
	inch	mm	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
#	⊙		⊙				↻		↻		U	lbs	kg	⊗
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  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

● Brown

## Notes

Cover must be skived prior to fitting attachment



\*For additional application data, reference Catalog 4660 Material Compatibility Charts and Agency Approvals/Specifications.

# 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

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#	⊘		⊘		⌚		⤵		U	lbs	kg	⌚
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  
 Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://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 Catalog 4660, pg. F-23

\*For additional application data, reference Catalog 4660 Material Compatibility Charts and Agency Approvals/Specifications.



# 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

## Applications/Markets



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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight	
	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

## Notes

Factory-made assemblies only  
 Not suggested for steam-cold water cycling applications

\*For additional application data, reference Catalog 4660 Material Compatibility Charts and Agency Approvals/Specifications.

# 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 O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight	
	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

## 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

\*For additional application data, reference Catalog 4660 Material Compatibility Charts and Agency Approvals/Specifications.

# 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
- Steam - cold water cycling applications

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight	
	inch	mm	inch	mm	psi	MPa	inch	mm		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

## Notes

Factory-made assemblies only

Not suggested for steam-cold water cycling applications

## 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)



\*For additional application data, reference Catalog 4660 Material Compatibility Charts and Agency Approvals/Specifications.

# 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 O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight	
	inch	mm	inch	mm	psi	MPa	inch	mm		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

## 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

\*For additional application data, reference Catalog 4660 Material Compatibility Charts and Agency Approvals/Specifications.

# Parflex PTFE Hose Assembly Nomenclature

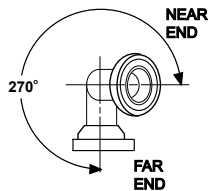


**P** **919** **06** **39** **06** **06** **06** **C** - **30**

<b>P</b> Prefix	<b>919</b> Hose	<b>06-39</b> Fitting Configuration																		
P – Permanent Crimp (i.e. 91N series)  R – Field Attachable (i.e. 90 series)  Factory Crimp (i.e. 94 series)	<table border="1"> <thead> <tr> <th>Natural</th> <th>Static Dissipative</th> </tr> </thead> <tbody> <tr><td>919</td><td>919B</td></tr> <tr><td>919J</td><td>929BJ</td></tr> <tr><td>919U</td><td>–</td></tr> <tr><td>929</td><td>929B</td></tr> <tr><td>939</td><td>939B</td></tr> <tr><td rowspan="2">–</td><td>943B</td></tr> <tr><td>944B</td></tr> <tr><td rowspan="2">–</td><td>950B</td></tr> <tr><td>955B</td></tr> </tbody> </table>	Natural	Static Dissipative	919	919B	919J	929BJ	919U	–	929	929B	939	939B	–	943B	944B	–	950B	955B	01 – Male Pipe Thread (with hex) - NPTF 02 – Female Pipe Thread - NPT 03 – Male SAE (JIC) 37° Flare 05 – Male Straight Thread w/ O-Ring 07 – Female Pipe Swivel 37 – Female SAE (JIC) 37° Swivel - 45° Elbow 39 – Female SAE (JIC) 37° Swivel - 90° Elbow 41 – Female SAE (JIC) 37° Swivel - 90° Long Elbow JC – Female Seal-Lok™ (ORFS) Swivel Short FU – Female JIC/BSP 30° Flare Swivel MU – Metric Female JIC/BSP 30° Flare Swivel JO – Male Seal-Lok™ (ORFS) Rigid Straight w/O-Ring GU – Female JIC/BSP Parallel Pipe Swive (60° Cone) JS – Female Seal-Lok™ (ORFS) Swivel J7 – Female Seal-Lok™ (ORFS) Swivel - 45° Elbow J9 – Female Seal-Lok™ (ORFS) Swivel - 90° Elbow TU – Universal Tube Stub AL – A-Lok® Compression
	Natural	Static Dissipative																		
919	919B																			
919J	929BJ																			
919U	–																			
929	929B																			
939	939B																			
–	943B																			
	944B																			
–	950B																			
	955B																			

<b>06</b> Connection Size 1	<b>06</b> Connection Size 2	<b>06</b> Hose Size	<b>C</b> Fitting Material	<b>30</b> Overall Length																																																																																																												
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**##** **Displacement Angle**  
 Specified only if two elbow fittings are used to construct hose assembly.\*



\*Starting with either end as the far end, measure the angle clockwise to describe the displacement of the near end.

\*For additional application data, reference Catalog 4660 Material Compatibility Charts and Agency Approvals/Specifications.

# Fluoropolymer Hose Selection PSI

Reinforcement Type		PSI Fluoropolymer Hose Working Pressures												
		Fractional Size	Nominal Sizes											
			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	3/8	1/2	5/8
		Dash Size	-3	-4	-5	-6	-8	-10	-12	-16	-20	-6	-8	-10
		PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	
Wire	919	PTFE Hose	3000	3000	3000	2500	2000	1500	1200	1000	625			
	919B	PTFE Hose with static-dissipative core		3000	3000	2500	2000							
	919J	Silicone Jacketed PTFE Hose		3000	3000	2500	2000	1500	1200					
	919U	High Abrasion Resistance PTFE Hose		3000		2500	2000		1200	1000				
	929	Heavy Wall PTFE Hose		3000		2500	2000							
	929B	Heavy Wall PTFE Hose with static-dissipative core		3000		2500	2000		1200	1250				
	929BJ	Silicone Jacketed PTFE Hose with static-dissipative core		3000		2500	2000		1200	1250				
	939	Convolute PTFE Hose										1500	1350	1000
	939B	Convolute 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	4000	4000	4000				
	950B	High Pressure PTFE Hose with static-dissipative core		4000		4000	4000	4000	4000	4000				
	955B	High Pressure PTFE Hose with static-dissipative core		5500		5500	5500	5500	5500	5500				

**Legend** PTFE – Polytetrafluoroethylene S – Silicone  
 PTFE-S – Polytetrafluoroethylene, Static Dissipative U – Polyurethane



## Choosing Your Hose

### “STAMPED”

Size	Temperature	Application*	Media
The appropriate inside and outside diameters and length of the hose should be determined	The ambient and/or maximum temperature of the material being conveyed	External conditions including abrasion, climate, heat, flexing, crushing, kinking, and degrees of bending	The composition of the conveyed and chemical compatibility with the hose inner coating. Where applicable, the outer jacket

\*For additional application data, reference Catalog 4660 Material Compatibility Charts and Agency Approvals/Specifications.

# Construction/Specifications

PSI Fluoropolymer Construction and Specifications										
Reinforcement Type										
Reinforcement Type					Fractional Size					
3/4	1	1 1/4	1 1/2	2	Temperature Range	Core Tube	Reinforcement Material	Cover Material	Dash Size	
PSI	PSI	PSI	PSI	PSI						
					-100°F to +450°F	PTFE	SS Wire	—	PTFE Hose	919
					-100°F to +450°F	PTFE-S	SS Wire	—	PTFE Hose with static-dissipative core	919B
					-40°F to +450°F	PTFE	SS Wire	S	Silicone Jacketed PTFE Hose	919J
					-40°F to +275°F	PTFE	SS Wire	U	High Abrasion Resistance PTFE Hose	919U
					-100°F to +450°F	PTFE	SS Wire	—	Heavy Wall PTFE Hose	929
					-100°F to +450°F	PTFE-S	SS Wire	—	Heavy Wall PTFE Hose with static-dissipative core	929B
					-65°F to +450°F	PTFE-S	SS Wire	S	Silicone Jacketed PTFE Hose with static-dissipative core	929BJ
	1100	1000	1000	750	250	-100°F to +450°F	PTFE	SS Wire	—	Convoluted PTFE Hose
	1100	1000	1000	750	250	-100°F to +450°F	PTFE-S	SS Wire	—	Convoluted PTFE Hose with static-dissipative core
						-65°F to +400°F	PTFE-S	SS Wire	—	High Pressure PTFE Hose with static-dissipative core
						-65°F to +400°F	PTFE-S	SS Wire	—	High Pressure PTFE Hose with static-dissipative core
						-65°F to +400°F	PTFE-S	SS Wire	—	High Pressure PTFE Hose with static-dissipative core
						-65°F to +400°F	PTFE-S	SS Wire	—	High Pressure PTFE Hose with static-dissipative core



Media	Pressure	Ends	Delivery
The substance being transported, chemical compatibility, and, if applicable, jacket	The maximum pressure of the system, including pressure spikes	The appropriate end connection and attachment method for the application	Testing, quality, packaging, and delivery requirements

\*For additional application data, reference Catalog 4660 Material Compatibility Charts and Agency Approvals/Specifications.

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