

# 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/Exceeds SAE 100R14A - 919
- Meets/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 Max. Working Pressure: +2% to -4%

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

## Fittings

90 Series – pg. E-65

91/91N Series – pg. E-72

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Notes

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

# 919J – Silicone Covered PTFE Hose



## Features

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

## Certifications

- Meets/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	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 Max. Working Pressure: +2% to -4%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

91N Series – pg. E-72  
 For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## Colors

- Red

## Notes

Cover must be skived prior to fitting attachment

For detailed ordering information, please consult price list or contact Parflex® Division.

# 919U – High Abrasion Resistance PTFE Hose



## Features

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

## Certifications

- Meets/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	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

## Fittings

91N Series – pg. E-72

For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

Access instructions are on pg. G-13

## Operating Parameters

Temperature Range:

-40°F to +275°F (-40°C to +135°C)

Change in length at Max. Working Pressure: +2% to -4%

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

## 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/Exceeds SAE 100R14A - 929
- Meets/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
#	#												
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 Max. Working Pressure: +2% to -4%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

91N Series – pg. E-72  
 For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## Notes

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

For detailed ordering information, please consult price list or contact Parflex® Division.



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



## Features

- Silicone cover protects SS wire reinforcement against wear and fraying, up to 450°F
- Silicone cover 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
- 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		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

## Construction

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

## Operating Parameters

Temperature Range:  
 -65°F to +450°F (-54°C to +232°C)  
 Change in length at Max. Working Pressure: +2% to -4%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

91N Series – pg. E-72  
 For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## Colors

● Brown

## Notes

Cover must be skived prior to fitting attachment

# 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 Max. Working Pressure: +2% to -4%  
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

93N Series – pg. E-87  
 For most Parker products, Crimp Die Selection charts can be found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)  
 Access instructions are on pg. G-13

## 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-20

For detailed ordering information, please consult price list or contact Parflex® Division.



Hose  
 A  
 Tubing  
 B  
 Coiled Air Hose & Fittings  
 C  
 Transportation  
 D  
 Fittings  
 E  
 Tooling, Equipment & Accessories  
 F  
 General Technical  
 G

# 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/Exceeds SAE 100R7 and SAE 100R17

## Applications/Markets



- High temp hydraulic applications
- Chemical Transfer
- Compressed Air/Gases
- Paint Stripping

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.
#											
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

## Fittings

94 Series – pg. E-90

## Operating Parameters

Temperature Range:

-65°F to +400°F (-54°C to +204°C)

Change in length at Max. Working Pressure: ±2%

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

## 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

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.
#											
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 Max. Working Pressure: ±2%

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

## Fittings

94 Series – pg. E-90

## 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 detailed ordering information, please consult price list or contact Parflex® Division.

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | [parker.com/pfd](http://parker.com/pfd)



A-75

Hose  
A

Tubing  
B

Coiled Air Hose  
& Fittings  
C

Transportation  
D

Fittings  
E

Tooling, Equipment  
& Accessories  
F

General Technical  
G



# 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
- Ground Support

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.
#											
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-90

## Notes

Factory-made assemblies only

## Operating Parameters

Temperature Range:

-65°F to +400°F (-54°C to +204°C)

Change in length at Max. Working Pressure: ±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
- Ground Support

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.
#											
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 Max. Working Pressure: ±2%  
 Min. Burst Pressure is 16,000 psi at 73°F (23°C)

## Fittings

95 Series – pg. E-90

## 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 detailed ordering information, please consult price list or contact Parflex® Division.

