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

**Construction**
Tubing: 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)

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

**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  
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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
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<th>Permanent Fitting Series</th>
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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
- Access instructions are on pg. G-13

Colors
- Red

Notes
- Cover must be skived prior to fitting attachment
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

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

<table>
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<tr>
<th>Part</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
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Fittings
- 91N Series – pg. E-72
- For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource
- Access instructions are on pg. G-13

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

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
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.
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

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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
- 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

<table>
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<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure</th>
<th>Minimum Bend Radius</th>
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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)

Features
- Excellent flexibility
- Exceptional kink resistance

Certifications
- FDA CFR 177.1550 (Natural tube)

Applications/Markets
- Chemical Transfer
- General Hydraulics
- Hose applications requiring tight routings

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
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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
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.
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 Striping

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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 -4x Max. Working Pressure at 73°F (23°C)

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

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

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

A-74
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

<table>
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<th>Part Number</th>
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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
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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
<th>Weight</th>
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<td></td>
<td>inch mm</td>
<td>inch mm</td>
<td>psi MPa</td>
<td>inch mm</td>
<td>lbs./ft. kg./mtr.</td>
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<td>4,000 27.6</td>
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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 3x Max. Working Pressure at 73°F (23°C)

Fittings
95 Series - pg. E-90

Notes
Factory-made assemblies only
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

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<th>Nominal I.D.</th>
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<th>Maximum Working Pressure</th>
<th>Minimum Bend Radius</th>
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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

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