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

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

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

Base part number example.

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

1. **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.

3. **Outside Diameter**
   A critical measurement when considering hose fittings and applications where envelope size is limited.

4. **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.
## Thermoplastic Hose Selection

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

N – Nylon  P – Copolyester  PFX – Proprietary Mat’l  R – Rubber  F – Fiber

NP – Neoprene  PE – Polyethylene  S – Silicone  U – Urethane

For detailed ordering information, please consult price list or contact Parflex® Division.
# Fluoropolymer Hose Selection

## PSI Fluoropolymer Hose Working Pressures

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### Wire

- **919** PTFE Hose
- **919B** PTFE Hose with static-dissipative core
- **919J** Silicone Jacketed PTFE Hose
- **919U** High Abrasion Resistance PTFE Hose
- **929** Heavy Wall PTFE Hose
- **929B** Heavy Wall PTFE Hose with static-dissipative core
- **929BJ** Silicone Jacketed PTFE Hose with static-dissipative core
- **939** Convoluted PTFE Hose
- **939B** Convoluted PTFE Hose with static-dissipative core
- **943B** High Pressure PTFE Hose with static-dissipative core
- **944B** High Pressure PTFE Hose with static-dissipative core
- **950B** High Pressure PTFE Hose with static-dissipative core
- **955B** High Pressure PTFE Hose with static-dissipative core
- **S30** PAGE Ind. PTFE Hose
- **S30B** PAGE Ind. PTFE Hose with static-dissipative core
- **S40** PAGE Ind. Heavy Wall PTFE Hose
- **S40B** PAGE Ind. Heavy Wall PTFE Hose with static-dissipative core
- **STW** Z-STW* PAGE Heavy Wall PTFE Hose with static-dissipative core
- **STR** Z-STD* PAGE Heavy Wall PTFE Hose with static-dissipative core
- **SCW** PAGE Convoluted PTFE Hose
- **SCBW** PAGE Convoluted PTFE Hose with static-dissipative core
- **SCWV** PAGE Heavy Wall Convoluted PTFE Hose
- **SCBWV** PAGE Heavy Wall Convoluted PTFE Hose with static-dissipative core
- **SCWV-FS** PAGE Flare-Seal® PTFE Hose
- **SCBWV-FS** PAGE Flare-Seal® PTFE Hose with static-dissipative core
- **PCW** PAGE Convoluted PTFE Hose, PP Braid
- **PCBW** PAGE Convoluted PTFE Hose with static-dissipative core, PP Braid
- **PCWV** PAGE Heavy Wall Convoluted PTFE Hose, PP Braid
- **PCBWV** PAGE Heavy Wall Convoluted PTFE Hose with static-dissipative core, PP Braid
- **PCWV-FS** PAGE Flare-Seal® PTFE Hose, PP Braid
- **PCBWV-FS** PAGE Flare-Seal® PTFE Hose with static-dissipative core, PP Braid
- **RCTW** PAGE Rubber Covered EPDM
- **RCTB** PAGE Rubber Covered EPDM with static-dissipative core
- **SBFW** PAGE Page-Flex® SBF
- **SBFB** PAGE Page-Flex® SBF with static-dissipative core

### Legend

- **PTFE** – Polytetrafluoroethylene
- **FEP** – Fluorinated Ethylene Propylene
- **PFA** – Perfluoroalkoxy
- **PTFE-S** – Polytetrafluoroethylene, Static Dissipative

*Z indicates double braid.
### PSI Fluoropolymer Construction and Specifications

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**Notes:**
- PSI – Fluoropolymer Hose Working Pressures
- Dash Size: PSI
- Fractional Size: PSI
- Core Tube: PSI
- Reinforcement Material: PSI
- Cover Material: PSI
- Page #: PSI

**Materials:**
- PFA-S – Perfluoroalkoxy, Static Dissipative
- PP – Polypropylene
- S – Silicone
- U – Polyurethane
- Other

For detailed ordering information, please consult price list or contact Parflex® Division.
## Thermoplastic Hose Selection

### MPa Thermoplastic Hose Working Pressures

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

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

## MPa Thermoplastic Construction and Specifications

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*View Government & Agency Specifications for exceptions, pg. 6-59

**Legend**

- N – Nylon
- P – Copolyester
- PFX – Proprietary Mat’l
- R – Rubber
- F – Fiber
- NP – Neoprene
- PE – Polyethylene
- S – Silicone
- U – Urethane

For detailed ordering information, please consult price list or contact Parflex® Division.
### Fluoropolymer Hose Selection

#### MPa Fluoropolymer Hose Working Pressures

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*Z indicates double braid.

**Legend**

- PTFE – Polytetrafluoroethylene
- PTFE-S – Polytetrafluoroethylene, Static Dissipative
- FEP – Fluorinated Ethylene Propylene
- PFA – Perfluoroalkoxy

For detailed ordering information, please consult price list or contact Parflex® Division.
## PSI Fluoropolymer Construction and Specifications

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### Reinforcement Type

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For detailed ordering information, please consult price list or contact Parflex® Division.
Parflex Thermoplastic Hose Assembly Nomenclature

**Prefix**
- F = Parkrimp (i.e. 55 series)
- A = Factory Crimp (i.e. 54 series)
- R = Field Attachable (i.e. 51 series)

**Hose**
- D6 530M
- H6 540N
- R6 540P
- HFS 55LT
- HFS2 56DH
- M8 575X
- HTB 580N
- HJK H580N
- 560 588N
- 563 1035A
- 590 1035HT
- 593 83FR
- 510A B9
- 510C 5CNG
- 518C HLB
- 515H MSH
- 520N MSXL
- 528N PTH
- 526BA SLH

**Fitting Configuration**
- 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
- 06 – Female SAE (JIC) 37° Swivel
- 07 – Female Pipe Swivel
- 13 – Male Pipe Swivel - NPTF
- 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
- J0 – 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

* See pg. E-4 for detailed list of available fitting configurations.

**Connection Size 1**
- -2 1 1/8
- -3 1 3/16
- -4 1 1/4
- -5 1 5/16
- -6 1 3/8
- -8 1 1/2
- -10 1 5/8
- -12 1 3/4
- -16 1 1
- -20 1 1-1/4

**Connection Size 2**
- -2 2 1/8
- -3 2 3/16
- -4 2 1/4
- -5 2 5/16
- -6 2 3/8
- -8 2 1/2
- -10 2 5/8
- -12 2 3/4
- -16 2 1
- -20 2 1-1/4

**Hose Size**
- -2 = 1/8
- -3 = 3/16
- -4 = 1/4
- -5 = 5/16
- -6 = 3/8
- -8 = 1/2
- -10 = 5/8
- -12 = 3/4
- -16 = 1

**Fitting Material**
- **C = Stainless Steel**
- **B = Brass**

**Overall Length**
Expressed in inches

**Displacement Angle**
Specified only if two elbow fittings are used to construct hose assembly.
### Parflex PTFE Hose Assembly Nomenclature

#### Prefix
- P – Permanent Crimp (i.e. 91N series)
- R – Field Attachable (i.e. 90 series)
- Factory Crimp (i.e. 94 series)

#### Fitting Configuration*

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#### Hose Size
- 919 – Natural
- 919B – Static Dissipative

#### Overall Length
- Expressed in inches
- OAL measured from centerline of fitting seat if elbow fittings are used.

#### Fitting Material
- **C** = Stainless Steel
- **B** = Brass (91N)
- **S** = All Steel (91N)

#### Displacement Angle
- Specified only if two elbow fittings are used to construct hose assembly.

---

*See pg. E-4 for detailed list of available fitting configurations.*
### PAGE Industrial S30 & S40 Hose Assembly Nomenclature

<table>
<thead>
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<th>Assembly Code</th>
<th>Size Code</th>
<th>Hose Code</th>
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Example: X08H10S68S0-0300

**Size:** 08 (13/32 I.D.)  
**Style:** S40  
**Braid:** SS Single Braid  
**Core:** Heavy Wall Smoothbore Convoluted PTFE  
**End 1:** 1/2" 316 SS Male NPT  
**End 2:** 1/2" 316 SS Female 37° Seat JIC Swivel  
**Length:** 300" from end of Male Pipe to seat of Female JIC

**NOTE:** Length calculations for PAGE hose assemblies are typically made sealing surface to sealing surface per the NAHAD Fluoropolymer Hose Assembly Specification Guidelines unless otherwise requested by customer at time of order.
Parflex PAGE Product Line

“True-Bore” & Convoluted Hose Assembly Nomenclature

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Example: 32J03C13C0-0120-A

Size: 2" Style: SCWV
Braid: 316 SS Single Braid
Core: Heavy Wall Open Pitch Convoluted PTFE
End 1: 2" Male Pipe NPT Hex
End 2: 2" Male Pipe NPT Step Down

Length: 120” from end of Male NPT to end of Male Step Down

NOTE: Length calculations for PAGE hose assemblies are typically made sealing surface to sealing surface per the NAHAD Fluoropolymer Hose Assembly Specification Guidelines unless otherwise requested by customer at time of order.

The part numbering system shows the entire product line offered by the Parker PAGE International business unit. This catalog section only displays a few common hoses. To order items not listed in this catalog, please contact Parker PAGE Customer Service direct at (800) 847-7280 or email page@parker.com.
D6 – Hybrid Hose

Features

- Ideally suited for inventory consolidations to cover all SAE 100R1 pressure and many SAE 100R2 pressure requirements.

Certifications

- Exceeds SAE 100R17
- MSHA Accepted

Applications/Markets

- Medium pressure hydraulic applications
- Agricultural equipment

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Construction

Tube: Copolyester
Reinforcement: One or two braids of high tensile steel wire
Cover: Smooth synthetic rubber

Operating Parameters

Temperature Range:
-40°F to +250°F (-40°C to +121°C)
(Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)
Change in length at working pressure is +2% to -4%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

58 Series – pg. E-12
43 Series – (**43 Fittings available from Parker Hose Products Division)
HY Series – pg. E-87 (***HY Fittings available from Parker Hose Products Division)
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

*Two wire braid
H6 – High Performance Hydraulic Hose

Features
- Largest temperature range in a medium pressure hydraulic hose
- Low length change capability under pressure
- Ideally suited for inventory consolidations to cover all SAE 100R1 pressure and many SAE 100R2 pressure and abrasion requirements

Certifications
- Exceeds SAE 100R17 Requirements

Applications/Markets
- Medium pressure hydraulic applications
- Over the sheave and boom hose applications

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<td>4.75</td>
<td>.69 1.03</td>
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</table>

Construction
- Tube: Copolyester
- Reinforcement: One or two braids of high tensile steel wire
- Cover: Copolyester

Operating Parameters
- Temperature Range:
  - (H604 thru H608) -70°F to +250°F (-57°C to +121°C)
  - (H610 thru H612) -50°F to +250°F (-45°C to +121°C)
  (Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)
- Change in length at working pressure is +2% to -4%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
- 58 Series – pg. E-12
- 43 Series – (**43 Fittings available from Parker Hose Products Division)
- HY Series – pg. E-87 (**HY Fittings available from Parker Hose Products Division)
- 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
- *Two wire braid
- Twin line hose available
- Preformed assemblies

For detailed ordering information, please consult price list or contact Parflex® Division.
HFS – Firescreen® Hybrid Hose

Features
- Excellent flexibility
- Consistent long-lengths
- Lightweight
- Compact design

Certifications
- Exceeds SAE 100R1
- Marine Applications (SAE J1942 listed)
- MSHA Accepted

Applications/Markets
- Used in high temperature (to +250° F), medium pressure hydraulic applications
- Mobile equipment
- Machine tools
- Agricultural equipment

Construction
Tube: Copolyester
Reinforcement: One braid of high tensile steel wire
Cover: Smooth synthetic rubber

Operating Parameters
Temperature Range:
-40°F to +250°F (-40°C to +121°C)
(Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)
Change in working length @ Rated WPSI: +2%/-4%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
58 Series – pg. E-12
BA Series – pg. E-79
43 Series - (*43 Series Fittings available from Parker Hose Products Division)
HY Series – pg. E-87 (**HY Fittings available from Parker Hose Products Division)
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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
<th>Weight</th>
<th>Permanent Fitting Series</th>
<th>Field Attachable Series</th>
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Part Number: #
Nominal I.D.: inch, mm
Maximum O.D.: inch, mm
Maximum Working Pressure: psi, MPa
Minimum Bend Radius: inch, mm
Vac. Rating: Hg./73°F
Weight: lbs./ft., kg./mtr.
HFS2 – Firescreen II® Hybrid Hose

Features
- Excellent flexibility
- Consistent long-lengths
- Lightweight
- Compact design

Certifications
- Meets or Exceeds SAE 100R2 & 100R16
- Marine Applications (SAE J1942 listed)
- MSHA Accepted

Applications/Markets
- Medium pressure hydraulic applications
- Mobile equipment
- Machine tools
- Agricultural equipment

<table>
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<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C psi MPa</th>
<th>Minimum Bend Radius inch mm</th>
<th>Vac. Rating Hg./73°F</th>
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<th>Permanent Fitting Series</th>
<th>Field Attachable Series</th>
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<td>43**/HY***</td>
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</table>

Construction
Tube: Copolyester
Reinforcement: One or two braids of high tensile steel wire
Cover: Smooth synthetic rubber

Operating Parameters
Temperature Range:
-40°F to +212°F (-40°C to +100°C)
(Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)
Change in working length @ Rated WPSI: +2%/−4%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
58 Series – pg. E-12
BA Series – pg. E-79
43 Series – (**43 Series Fittings available from Parker Hose Products Division)
HY Series – pg. E-87 (**HY Fittings available from Parker Hose Products Division)
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
*Two wire braid

For detailed ordering information, please consult price list or contact Parflex® Division.
R6 – Abrasion King® Hose

Features

- Excellent abrasion resistance
- Blue plait provides hose identification

Certifications

- Exceeds SAE 100R17 Requirements

Applications/Markets

- Medium pressure hydraulic applications
- Agricultural equipment

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
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<td>6.00</td>
<td>152</td>
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</table>

Construction

- Tube: Copolyester
- Reinforcement: One or two braids of high tensile steel wire
- Cover: Abrasion-resistant Nylon Fabric

Operating Parameters

- Temperature Range:
  - (R604 thru R610) -50°F to +250°F (-46°C to +121°C)
  - (R612 thru R616) -50°F to +212°F (-45°C to +100°C)
  - (Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)
- Change in working length @ Rated WPSE: +2%/-4%
- Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

- 58 Series – pg. E-12
- 43 Series – (**43 Series Fittings available from Parker Hose Products Division)
- HY Series – pg. E-87 (**HY Fittings available from Parker Hose Products Division)

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

- *Two wire braid

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

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

A-26
M8 – E-Z FLEX™ Hybrid Hose

Features
- Four-spiral wire hose performance in a high tensile two-wire braid construction
- Excellent flexibility
- Consistent long-lengths

Certifications
- Meets or Exceeds SAE 100R12
- MSHA Accepted

Applications/Markets
- High-pressure hydraulic applications typically reserved for spiral wire reinforced hoses

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Kg./73°F</th>
<th>Weight lbs./ft.</th>
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<td>.46</td>
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<td>.63</td>
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</table>

Construction
- Tube: Copolyester
- Reinforcement: Two braids of high tensile steel wire
- Cover: Smooth synthetic rubber

Operating Parameters
- Temperature Range:
  - -40°F to +250°F (-40°C to +121°C)
  - (Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)
- Change in working length @ Rated WP: +2%/−4%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
- 43 Series – (*43 Series Fittings available from Parker Hose Products Division)
- Crimp information can be found online, for most Parker products, at www.parker.com/crimpsource

Colors
- Black

For detailed ordering information, please consult price list or contact Parflex® Division.
HTB – Eliminator® Hybrid Hose

Features
- Four-spiral wire hose performance in a high tensile two-wire braid construction
- Excellent flexibility
- Consistent long-lengths

Certifications
- Marine Applications (SAE J1942 listed)
- MSHA Accepted

Applications/Markets
- High-pressure hydraulic applications typically reserved for spiral wire reinforced hoses

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
<th>Weight</th>
<th>Permanent Fitting Series</th>
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<td>inch</td>
<td>mm</td>
<td>psi</td>
<td>MPa</td>
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</table>

Construction
Tube: Copolyester
Reinforcement: Two braids of high tensile steel wire
Cover: Smooth synthetic rubber

Operating Parameters
Temperature Range:
-40°F to +212°F (-40°C to +100°C)
(Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)
Change in working length @ Rated WPSI: +2%/-4%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
43 Series – (***43 Series Fittings available from Parker Hose Products Division)
HY Series – pg. E-87 (**HY Fittings available from Parker Hose Products Division)
Crimp information can be found online, for most Parker products, at www.parker.com/crimpsource

Colors
● Black

Notes
HTB04 cover must be skived prior to fitting attachment
HJK – Highjack® Jackline Hybrid Hose

Features
- 10,000 PSI Jack Hose

Certifications
- MSHA Accepted
- Meets I J-100 Requirements

Applications/Markets
- Used for high pressure jackline applications
- Not for high impulse applications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Kg./73°F</th>
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</table>

Construction
Tube: Copolyester
Reinforcement: Two braids of High Tensile Wire
Cover: Smooth synthetic rubber

Operating Parameters
Temperature Range:
-40°F to +150°F (-40°C to +65°C)
(Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)
Change in working length @ Rated WPSI: ±2%
Min. Burst Pressure is 3x Max. Working Pressure at 73°F (23°C)

Fittings
HY Series – pg. E-87 (HY Fittings available from Parker Hose Products Division)
Connection configurations limited to:
-Male Pipe (01)

Colors
- Black

Notes
Factory-made assemblies only

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

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd
560 – General Hydraulic Hose

**Features**
- Twin or multi-line available. Lighter and smaller than 100R1 with longer lengths
- Fast response hose
- Polyurethane cover for best abrasion resistance

**Certifications**
- Meets or Exceeds SAE 100R1
- MSHA Accepted

**Applications/Markets**
- Hydraulic circuits and systems wherever 100R1 hose is specified
- Most synthetic hydraulic fluids, water and wide range of chemicals, industrial equipment, machine tools

**Construction**
- Tube: Copolyester
- Reinforcement: High tensile steel wire braid
- Cover: Polyurethane

**Operating Parameters**
- Temperature Range:
  - -40°F to +250°F (-40°C to +121°C)
  - Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids
- Change in working length @ Rated WPSI: ±2%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

**Fittings**
- 55 Series – pg. E-12
- 58 Series – pg. E-12
- 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**
- Non-perforated cover

---

**Table: Specifications**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
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<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
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563 – General Hydraulic Hose

Features
- Polyurethane cover for best abrasion resistance

Certifications
- Meets or Exceeds SAE 100R17
- MSHA Accepted

Applications/Markets
- Industrial medium pressure hydraulic hose for use with petroleum, water base and synthetic hydraulic fluids, gases and some solvents and chemical solutions

<table>
<thead>
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<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
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</tr>
<tr>
<td>563-8</td>
<td>1/2 13</td>
<td>.78 20</td>
<td>3,000 20.7</td>
<td>3.50 89</td>
<td>28</td>
<td>.29 .42 55/HY*</td>
<td></td>
</tr>
</tbody>
</table>

Construction
- Tube: Copolyester
- Reinforcement: High tensile steel wire braid
- Cover: Polyurethane

Operating Parameters
- Temperature Range:
  - -40°F to +250°F
  - (-40°C to +121°C) for size -8
- Change in working length @ Rated WPSI: ±2%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F

Fittings
- 55 Series – pg. E-12
- HY Series – pg. E-87 (*HY Fittings available from Parker Hose Products Division)
- 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
- Non-perforated cover
590 – General Hydraulic Hose

**Features**
- Two wire strength, one wire construction, improved bend radius results
- Twin and multi-line available
- Polyurethane cover for best abrasion resistance

**Certifications**
- Meets or Exceeds SAE 100R2 / 100R16
- MSHA Accepted

**Applications/Markets**
- Construction equipment, machine tools, hydrostatic transmission, refuse vehicles and agriculture equipment

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F / 23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
<th>Weight</th>
<th>Permanent Fitting Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>#</td>
<td>inch mm</td>
<td>inch mm</td>
<td>psi MPa</td>
<td>inch mm</td>
<td>lbs./ft. kg./mtr.</td>
<td></td>
<td></td>
</tr>
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<td>590-3</td>
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<td>1.50 28 .10 .15 55</td>
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<tr>
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<td></td>
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<td>17 4,000 27.6</td>
<td>2.25 57 .20 .30 55</td>
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<td>590-8</td>
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<td>20 3,500 24.1</td>
<td>3.25 82 .26 .38 55</td>
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<td>25 3,000 20.7</td>
<td>6.00 152 .39 .57 58</td>
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<td></td>
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</table>

**Construction**
- Tube: Copolyester
- Reinforcement: Aramid fiber, high tensile wire braid
- Cover: Polyurethane

**Operating Parameters**
- Temperature Range:
  - -40°F to +250°F (-40°C to +121°C)
  - Limited to +150°F (+65°C) for synthetic hydraulic fluids and water-based fluids
- Change in working length @ Rated WPSI: ±2%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

**Fittings**
- 55 Series – pg. E-12
- 58 Series – pg. E-12
- 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**
- Non-perforated cover
593 – General Hydraulic Hose

Features
- Works with synthetic hydraulic fluids, water and a range of chemicals
- Two wire strength with one braid flexibility
- Polyurethane cover for best abrasion resistance

Certifications
- Meets or Exceeds SAE 100R2 Pressure Requirements
- MSHA Accepted

Applications/Markets
- General hydraulic service

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Weight</th>
<th>Vac. Rating Hg./73°F</th>
<th>Permanent Fitting Series</th>
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<tbody>
<tr>
<td>593-12</td>
<td>3/4 inch</td>
<td>20 inch</td>
<td>1.10 inch</td>
<td>3000 psi MPa</td>
<td>28 lbs./ft. mm/kg/mtr. inch</td>
<td>LV</td>
<td></td>
</tr>
<tr>
<td>593-16</td>
<td>1 inch</td>
<td>25 inch</td>
<td>1.45 inch</td>
<td>3250 psi MPa</td>
<td>37 lbs./ft. mm/kg/mtr. inch</td>
<td>LV</td>
<td></td>
</tr>
</tbody>
</table>

Construction
- Tube: 12 – Copolyester, 16 – Nylon
- Reinforcement: High tensile steel wire braid
- Cover: Polyurethane

Operating Parameters
- Temperature Range: -40°F to +250°F (-40°C to +121°C)
  (Size -12 only limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)
- Change in working length @ Rated WPSI: ±2%
- Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
- LV Series – pg. E-104
  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
- Non-perforated cover
510A – Refrigerant Hose

Features
- Excellent impulse life
- Compatible with most common hydraulic and refrigeration fluids

Certifications
- Meets or Exceeds SAE 100R7 except -2
- MSHA Accepted except -4, -5, -6

Applications/Markets
- Medium pressure service for both field attachable and permanent fittings
- Used with most common refrigerants

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Weight</th>
<th>Vac. Rating Hg./73°F</th>
<th>Permanent Fitting Series</th>
<th>Field Attachable Series</th>
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<tbody>
<tr>
<td>510A-2</td>
<td>1/8</td>
<td>.34</td>
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<td>.50</td>
<td>13</td>
<td>.03</td>
<td>57</td>
<td>–</td>
</tr>
<tr>
<td>510A-3</td>
<td>3/16</td>
<td>.43</td>
<td>3,000</td>
<td>2.00</td>
<td>51</td>
<td>.05</td>
<td>55</td>
<td>51</td>
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<tr>
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<tr>
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<td>5/16</td>
<td>.57</td>
<td>2,500</td>
<td>3.00</td>
<td>76</td>
<td>.08</td>
<td>55</td>
<td>51</td>
</tr>
<tr>
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<td>.64</td>
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<td>4.00</td>
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<td>51</td>
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<td>1,250</td>
<td>7.50</td>
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<td>.19</td>
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<td>1,000</td>
<td>10.00</td>
<td>254</td>
<td>.28</td>
<td>–</td>
<td>51</td>
</tr>
</tbody>
</table>

Construction
- Tube: Proprietary nylon blend
- Reinforcement: Fiber
- Cover: Polyurethane

Operating Parameters
- Temperature Range: -40°F to +212°F (-40°C to +100°C)
- Change in working length @ Rated WPST: ±3%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
- 51 Series – pg. E-5
- 55 Series – pg. E-12
- 57 Series – pg. E-37
- 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
- Perforated cover
- 51 Series field attachable couplings are not intended for use on hose that has previously been in service
510C – General Hydraulic Hose

Features
- Superior abrasion resistance
- Extreme flexibility
- Medium pressure service for permanent and field attachable fittings

Certifications
- Meets or Exceeds SAE 100R7 except -2
- MSHA Accepted except -4

Applications/Markets
- Medium pressure service for both field attachable and permanent fittings

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F / 23°C</th>
<th>Minimum Bend Radius</th>
<th>Weight</th>
<th>Vac. Rating Hg./73°F</th>
<th>Permanent Fitting Series</th>
<th>Field Attachable Series</th>
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<td>inch</td>
<td>mm</td>
<td>inch</td>
<td>mm</td>
<td>psi</td>
<td>MPa</td>
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<td>17.2</td>
<td>0.50</td>
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<td>.03</td>
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<td>11</td>
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<td>.05</td>
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<td>.47</td>
<td>12</td>
<td>3,000</td>
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<td>1.50</td>
<td>38</td>
<td>.05</td>
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<tr>
<td>510C-5</td>
<td>5/16</td>
<td>.57</td>
<td>14</td>
<td>2,500</td>
<td>17.2</td>
<td>1.75</td>
<td>44</td>
<td>.08</td>
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<td>510C-6</td>
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<td>2,250</td>
<td>15.5</td>
<td>2.00</td>
<td>51</td>
<td>.10</td>
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<tr>
<td>510C-8</td>
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<td>.81</td>
<td>21</td>
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<td>15.5</td>
<td>3.00</td>
<td>76</td>
<td>.15</td>
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<tr>
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<td>6.9</td>
<td>8.00</td>
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</table>

Construction
Tube: Copolyester
Reinforcement: Fiber
Cover: Proprietary Blend (PFX)

Operating Parameters
Temperature Range:
-40°F to +212°F (-40°C to +100°C)
(Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)
Change in working length @ Rated WPSI: ±2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
51 Series – pg. E-5
57 Series – pg. E-37
55 Series – pg. E-12
58 Series – pg. E-12
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
Perforated cover
"3/16" and 1/4" working pressure reduced to 3,000 and 2,750 PSI respectively when using field attachable couplings
51 Series field attachable couplings are not intended for use on hose that has previously been in service
518C – Non-Conductive Hose

Features
- Twin or multi-line constructions available
- High density braid for maximum impulse life without loss of flexibility

Certifications
- Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per ft.
- Meets or exceeds SAE 100R7 specifications and Electrical Standards except 518C-2 with respect to Maximum working pressure
- ANSI A92.2

Applications/Markets
- Medium pressure hydraulic service where both field attachable and permanent hydraulic circuit exposure and contact with high voltage may be encountered

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>ANSI A92.2 Max. Working Pressure 73°F/23°C</th>
<th>SAE 100R7 Max. Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./°F</th>
<th>Weight</th>
<th>Permanent Fitting Series</th>
<th>Field Attachable Series</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>inch mm</td>
<td>inch mm</td>
<td>psi MPa</td>
<td>psi MPa</td>
<td>inch mm</td>
<td>lbs./ft. kg./mtr.</td>
<td></td>
<td></td>
<td></td>
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<td>2,500 17.2</td>
<td>0.50 13</td>
<td>28</td>
<td>.03 .05</td>
<td>57</td>
<td>–</td>
</tr>
<tr>
<td>518C-3*</td>
<td>3/16 5</td>
<td>.43 11</td>
<td>3,250 22.4</td>
<td>3,250 20.7</td>
<td>0.75 19</td>
<td>28</td>
<td>.05 .07</td>
<td>55 51</td>
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<td>3,000 19.0</td>
<td>1.50 38</td>
<td>28</td>
<td>.05 .08</td>
<td>55 51</td>
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<td>.57 14</td>
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<td>2,500 17.2</td>
<td>1.75 44</td>
<td>28</td>
<td>.08 .11</td>
<td>55 51</td>
<td></td>
</tr>
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<td>.64 16</td>
<td>3,000 20.7</td>
<td>2,250 15.5</td>
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<td>28</td>
<td>.10 .14</td>
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<td>2,250 15.5</td>
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<td>28</td>
<td>.15 .22</td>
<td>55 51</td>
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<td>1,500 10.3</td>
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<td>.20 .29</td>
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<td>8.00 203</td>
<td>28</td>
<td>.27 .40</td>
<td>55 51</td>
<td></td>
</tr>
</tbody>
</table>

Construction
Tube: Copolyester
Reinforcement: Fiber
Cover: Proprietary Blend (PFX)

Operating Parameters (cont.)
SAE requires 4:1 Design Factor

Colors
- Orange

Fittings
51 Series – pg. E-5  55 Series – pg. E-12
57 Series – pg. E-37  58 Series – pg. E-12
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
Non-perforated cover
Lay lines on this hose will have both ANSI and SAE maximum working pressure listed. ANSI A92.2-1990 “Vehicle Mounted Elevating and Rotating Aerial Devices”

“3/16” and 1/4” working pressure reduced to 3,000 and 2,750 PSI respectively when using field attachable couplings

51 Series field attachable couplings are not intended for use on hose that has previously been in service
515H – Compact/Light Weight Hose

Features
- Twin or multi-line available
- Compact OD, lightweight, flexible
- Special order colors for system color coding

Certifications
- MSHA Accepted

Applications/Markets
- Hydraulic and pneumatic systems where a small O.D. hose is necessary
- Pilot lines
- Joystick controls

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
<th>Weight</th>
<th>Permanent Fitting Series</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>inch mm</td>
<td>inch mm</td>
<td>psi MPa</td>
<td>inch mm</td>
<td></td>
<td>lbs./ft.</td>
<td>kg./mtr.</td>
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<td>.34 9</td>
<td>2,175 15.0</td>
<td>.75 19</td>
<td>28</td>
<td>.03 .04</td>
<td>54</td>
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<td>2,000 13.8</td>
<td>1.50 38</td>
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<td>54</td>
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<td>1,750 12.0</td>
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<td>28</td>
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<td>.56 14</td>
<td>1,500 10.3</td>
<td>2.00 51</td>
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<td>.05 .08</td>
<td>54</td>
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<tr>
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<td>.71 18</td>
<td>1,500 10.3</td>
<td>3.00 76</td>
<td>28</td>
<td>.11 .16</td>
<td>54</td>
</tr>
</tbody>
</table>

Construction
- Tube: Copolyester
- Reinforcement: Fiber
- Cover: Polyurethane

Operating Parameters
- Temperature Range: -40°F to +212°F (-40°C to +100°C)
  (Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)
- Change in working length @ Rated WPSI: ±2%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
- 54 Series – pg. E-8
  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
- Factory-made assemblies only -3, -5 and -8
- Approved with rapid assembly fitting system
520N/528N – General Hydraulic Hose

Features
- Twin and multi-line available
- Fast response, lighter and smaller O.D. than 100R2 hose

Certifications
- Meets or Exceeds SAE 100R8
- 520N MSHA Accepted
- 528N Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per foot

Applications/Markets
- Hydraulic and pneumatic circuits and systems
- Ideal in hot water applications
- Not suggested for use in over-the-sheave (pulley system) applications

Construction
Tube: Nylon
Reinforcement: Aramid fiber
Cover: Polyurethane

Operating Parameters
Temperature Range: 
-40°F to +212°F (-40°C to +100°C)
Change in working length @ Rated WPSI: ±2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Part Number | Nominal I.D. | Maximum O.D. | Maximum Working Pressure 73°F/23°C | Minimum Bend Radius | Vac. Rating Kg./73°F | Weight lbs./ft. kg./mtr.
--- | --- | --- | --- | --- | --- | ---
520N-3 | 3/16 | .43 | 5,000 | 1.50 | 38 | .05 .07 | 55
520N-4 | 1/4 | .51 | 5,000 | 2.00 | 51 | .07 .10 | 55
520N-5 | 5/16 | .57 | 4,500 | 2.50 | 64 | .08 .12 | 55
520N-6 | 3/8 | .65 | 4,000 | 2.50 | 64 | .08 .13 | 55
520N-8 | 1/2 | .81 | 3,500 | 4.00 | 102 | .14 .20 | 55
520N-10 | 5/8 | .92 | 2,750 | 6.00 | 152 | .17 .25 | 55

Fittings
55 Series – pg. E-12
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
- Orange (Non-Conductive)

Notes
Perforated cover - 520N
Non-Perforated cover - 528N
526BA – Breathing Air Refill Hose

Features
- 6000 PSI Constant Pressure

Certifications (Complies with:)
- CGA G7.1-1997 Grade E Breathing Air Standards
- NFPA 1901

Applications/Markets
- Integrated containment fill stations
- Mobile and stationary systems with or without cascade controls
- Mobile trailer/truck systems
- Portable SCBA fill

Construction
Tube: Nylon
Reinforcement: Aramid fiber
Cover: Polyurethane

Operating Parameters
Temperature Range:
-40°F to +180°F (-40°C to +82°C)
Change in working length @ Rated WPSI: ±2% Max.
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
55 Series – pg. E-12
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
- Gray

Notes
Perforated cover
Not for use as part of a SCBA systems
This hose is not for use between a pressure reducing regulator and breathing mask
For fitting attachment lubricate only with water or non-toxic lubricant. Do not assemble with petroleum or hydrocarbon based lubricants. Do not flush with solvents of any kind
This hose does not contain a conductive element; therefore, it should not be used with explosive gases such as pure oxygen and hydrogen
Hose is compliant with CGA Grade E Breathing Air Standards, however air quality is dependent upon all system components

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
<th>Weight lbs./ft.</th>
<th>Permanent Fitting Series</th>
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<tbody>
<tr>
<td>526BA-3</td>
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<td>.42</td>
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<td>6,000</td>
<td>1.50</td>
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<tr>
<td>526BA-4</td>
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<td>6,000</td>
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</tbody>
</table>

For detailed ordering information, please consult price list or contact Parflex® Division.
527BA – Breathing Air Refill Hose

Features
- 7000 PSI constant pressure

Certifications (Complies with:)
- CGA G7.1-1997 Grade E Breathing Air Standards
- NFPA 1901

Applications/Markets
- Integrated containment fill stations
- Mobile and stationary systems with or without cascade controls
- Mobile trailer/truck systems
- Portable SCBA fill

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73˚F/23˚C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73˚F</th>
<th>Weight</th>
<th>Permanent Fitting Series</th>
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<tr>
<td>#</td>
<td>inch mm</td>
<td>inch mm psi</td>
<td>MPa</td>
<td>inch mm</td>
<td>lbs./ft. kg./mtr.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>527BA-3</td>
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<td>11 7,000 48.3</td>
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<td></td>
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<td></td>
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</table>

Construction
Tube: Nylon
Reinforcement: Aramid fiber
Cover: Polyurethane

Operating Parameters
Temperature Range:
-40°F to +180°F (-40°C to +82°C)
Change in working length @ Rated WPSI: ±2% Max.
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
55 Series – pg. E-12
Connection configurations limited to:
- Male Pipe (01)
- Female Pipe (02)
- Male JIC (03, 3E)
- Female JIC Swivel (06, 37, 39, 41, L9)

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
● Blue

Notes
Perforated cover
Not for use as part of a SCBA systems
This hose is not for use between a pressure reducing regulator and breathing mask
For fitting attachment lubricate only with water or non-toxic lubricant. Do not assemble with petroleum or hydrocarbon based lubricants. Do not flush with solvents of any kind
This hose does not contain a conductive element; therefore, it should not be used with explosive gases such as pure oxygen and hydrogen
Hose is compliant with CGA Grade E Breathing Air Standards, however air quality is dependent upon all system components
53DM/538DM – DuraMax™ Low Temperature

Features
- Matte jacket for low coefficient of friction
- Superior flexibility in cold temperature applications
- Better bend radius than SAE J517 and 100R7
- Smaller O.D.s than 100R7 and 100R18
- 3000 PSI constant pressure

Certifications
- Meets or Exceeds SAE 100R18
- 538DM Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per foot

Applications/Markets
- Excellent over-the-sheave in lift truck applications
- Cold storage or refrigerated areas
- Construction and agriculture equipment in cold climate
- 53DM-12 Not suggested for use in over-the-sheave (pulley system) applications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
<th>Weight</th>
<th>Permanant Fitting Series</th>
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<tr>
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<td>.07</td>
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<td>3,000</td>
<td>20.7</td>
<td>.10</td>
<td>58/HY*</td>
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<tr>
<td>53DM-6</td>
<td>3/8</td>
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<td>3,000</td>
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<td>.11</td>
<td>55/58/HY**</td>
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<td>53DM-8</td>
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<td>55/58/HY*</td>
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<td>.22</td>
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<td>29</td>
<td>3,000</td>
<td>20.7</td>
<td>.26</td>
<td>58H</td>
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</table>

Construction
- Tube: Copolyester
- Reinforcement: Fiber
- Cover: Copolyester

Operating Parameters
- Temperature Range:
  -70°F to +212°F (-57°C to +100°C)
  - For use with water and water-based hydraulic fluids to +135°F (+57°C)
  - Change in working length @ Rated WPSI: ±2%
  - Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
- 55 Series – pg. E-12
- 58 Series – pg. E-12
- 58H Series – pg. E-41
- HY Series – pg. E-87 (*HY Fittings available from Parker Hose Products Division)
  - 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
- Orange (Non-Conductive)

Notes
- Perforated cover - 53DM
540N – General Hydraulic Hose

Features
- Matte jacket for low coefficient of friction
- Special order colors
- Twin or multi-line available
- Excellent chemical compatibility
- Greater range of fluid compatibility than SAE 100R1 hose

Certifications
- Meets or Exceeds SAE 100R7
- MSHA Accepted

Applications/Markets
- Hydraulic and pneumatic systems, agricultural spraying, polyurethane foam mixers, robotics, fire-resistant fluid and hot water

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
<th>Weight lbs./ft.</th>
<th>Permanent Fitting Series</th>
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<td>540N-2</td>
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<td>.03</td>
<td>.05</td>
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<td>.04</td>
<td>.06</td>
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<td>.07</td>
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<td>.10</td>
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<td>2,250 psi</td>
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<td>.09</td>
<td>.13</td>
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<td>2,000 psi</td>
<td>3.00</td>
<td>76</td>
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<td>.19</td>
</tr>
<tr>
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<td>1,250 psi</td>
<td>6.00</td>
<td>152</td>
<td>.17</td>
<td>.25</td>
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</table>

Construction
- Tube: Nylon
- Reinforcement: Fiber
- Cover: Polyurethane

Operating Parameters
- Temperature Range: -40°F to +212°F (-40°C to +100°C)
- Change in working length @ Rated WPSI: ±2%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
- 55 Series – pg. E-12
- 57 Series – pg. E-37
- 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
- Perforated cover
540P – Specialty Water Hose

Features
- Plasticizer free non-leaching core tube
- Low-moisture permeability

Certifications
- Meets or Exceeds SAE 100R7
- Core tube compliant with FDA Title 21 & NSF 51

Applications/Markets
- Potable water delivery to remote sites
- Distilled and de-ionized water

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
<th>Weight</th>
<th>Permanent Fitting Series</th>
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<tbody>
<tr>
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<td>19.0</td>
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<td>28</td>
<td>0.05</td>
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<td>540P-6 3/8</td>
<td>.65</td>
<td>17</td>
<td>2,250</td>
<td>15.5</td>
<td>2.00</td>
<td>51</td>
<td>0.09</td>
</tr>
<tr>
<td>540P-8 1/2</td>
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<td>2,000</td>
<td>13.8</td>
<td>3.00</td>
<td>76</td>
<td>0.13</td>
</tr>
<tr>
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<td>27</td>
<td>1,250</td>
<td>8.6</td>
<td>5.00</td>
<td>127</td>
<td>0.19</td>
</tr>
</tbody>
</table>

Construction
Tube: Polyethylene
Reinforcement: Fiber
Cover: Polyurethane

Operating Parameters
Temperature Range:
-40°F to +150°F (-40°C to +66°C)
Change in working length @ Rated WPSI: ±2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
55 Series – pg. E-12
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
Aqua

Notes
Perforated cover
55LT – Low Temperature Hose

Features
- Twin and multi-line available
- Superior flexibility in cold temperature applications

Certifications
- Meets or Exceeds SAE 100R7

Applications/Markets
- Hydraulic systems exposed to very low temperatures
- Excellent over-the-sheave in lift truck applications
- Cold storage or refrigerated areas
- Construction and agriculture equipment in cold climates

Part Number | Nominal O.D. | Maximum O.D. | Maximum Working Pressure 73°F/23°C | Minimum Bend Radius | Vac. Rating Hg./75°F | Weight | Permanent Fitting Series |
--- | --- | --- | --- | --- | --- | --- | --- |
55LT-2 | 1/8 | 3 | .34 | 9 | 3,000 | 20.7 | 0.50 | 13 | 28 | .03 | .05 | 57 |
55LT-3 | 3/16 | 5 | .43 | 11 | 3,250 | 22.4 | 0.75 | 19 | 28 | .05 | .08 | 55 |
55LT-4 | 1/4 | 6 | .51 | 13 | 3,000 | 20.7 | 1.25 | 32 | 28 | .07 | .10 | 55 |
55LT-5 | 5/16 | 8 | .57 | 14 | 2,500 | 17.2 | 1.75 | 44 | 28 | .09 | .13 | 55 |
55LT-6 | 3/8 | 10 | .66 | 17 | 2,250 | 15.5 | 2.00 | 51 | 28 | .10 | .14 | 55 |
55LT-8 | 1/2 | 13 | .81 | 21 | 2,000 | 13.8 | 3.00 | 76 | 28 | .14 | .21 | 55 |
55LT-12 | 3/4 | 19 | 1.09 | 28 | 1,250 | 8.6 | 5.00 | 127 | 28 | .21 | .31 | 55 |

Construction
- Tube: Copolyester
- Reinforcement: Fiber
- Cover: Copolyester

Operating Parameters
- Temperature Range: -70°F to +212°F (-57°C to +100°C)
- For use with water and water-based hydraulic fluids to +135°F (+57°C)
- Change in working length @ Rated WPSI: ±2%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
- 55 Series – pg. E-12
- 57 Series – pg. E-37
- 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
- Perforated cover

For detailed ordering information, please consult price list or contact Parflex® Division.
56DH/568DH – Diagnostic Hose

Features
- Twin or multi-line available
- Compact OD, lightweight, flexible

Certifications
- MSHA Accepted for -2 only

Applications/Markets
- Hydraulic and pneumatic systems where a small O.D. hose is necessary
- Diagnostic equipment

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Weight</th>
<th>Permanent Fitting Series</th>
</tr>
</thead>
<tbody>
<tr>
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<td>6,000</td>
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<td>SF</td>
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<td>56DH-2</td>
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<td>6,000</td>
<td>0.50</td>
<td>.03</td>
<td>CY</td>
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<tr>
<td>568DH-2</td>
<td>.14</td>
<td>.32</td>
<td>6,000</td>
<td>0.50</td>
<td>.03</td>
<td>CY</td>
</tr>
</tbody>
</table>

Construction
- Tube: Nylon
- Reinforcement: Aramid fiber
- Cover: Polyurethane

Operating Parameters
- Temperature Range: -40°F to +200°F (-40°C to +93°C)
- Change in working length @ Rated WPSI: ±2%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
- CY Series – pg. E-81
- SF Series – pg. E-85

For Crimp Die Selection charts see pgs. G-30 : G-41

Colors
- Black
- Orange (Non-Conductive)

Notes
- Perforated cover - 56DH
- Non-Perforated cover - 568DH

For detailed ordering information, please consult price list or contact Parflex® Division.
573X – Fast Response Hose

**Features**
- Fast response even over longer lengths
- 3000 PSI constant pressure

**Certifications**
- MSHA Accepted -3 only

**Applications/Markets**
- Marine, offshore drilling
- Applications requiring fast and accurate response time

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./72°F</th>
<th>Weight lbs./ft.</th>
<th>Permanent Fitting Series</th>
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</thead>
<tbody>
<tr>
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<td>3,000</td>
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<td>20.7</td>
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</table>

**Construction**
- Tube: Nylon
- Reinforcement: Aramid fiber
- Cover: Polyurethane

**Operating Parameters**
- Temperature Range: -40°F to +200°F (-40°C to +93°C)
- Change in working length @ Rated WPSI: ±2%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

**Fittings**
- LV Series – pg. E-104

**Colors**
- Black

**Notes**
- Non-perforated cover
- Factory-made assemblies only
575X – Fast Response Hose

Features

- Fast response even over longer lengths
- 5000 PSI constant pressure

Certifications

- MSHA Accepted

Applications/Markets

- Marine, offshore drilling
- Applications requiring fast and accurate response time

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73˚F</th>
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<td>55</td>
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<tr>
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<td>40</td>
<td>5,000</td>
<td>34.5</td>
<td>.36</td>
<td>58H</td>
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</table>

Construction

- Tube: Nylon
- Reinforcement: Fiber
- Cover: Polyurethane

Operating Parameters

- Temperature Range: -40°F to +212°F (-40°C to +100°C)
- Change in working length @ Rated WPSI: ±2%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

- 55 Series – pg. E-12
- 58H Series – pg. E-41

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

- Non-perforated cover

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

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd
580N/H580N/588N – High Pressure Hose

Features
- Twin and multi-line available
- Lighter weight and smaller O.D. than 100R2

Certifications
- Meets or Exceeds SAE 100R8 specifications
- 580N MSHA Approved
- 588N Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per foot

Applications/Markets
- Hydraulic and pneumatic circuits and systems
- Replaces 100R2 rubber hose wherever greater flexibility, fluid compatibility, and cover durability are required

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
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Construction
- Tube: Nylon
- Reinforcement: Fiber
- Cover: Polyurethane

Operating Parameters
- Temperature Range: -40°F to +212°F (-40°C to +100°C)
- Change in working length @ Rated WPSI: ±2%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
- 58 Series – pg. E-12
- 58H Series – pg. E-41
- 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
- Orange (Non-Conductive)

Notes
- Perforated cover - 580N
- *Non-Perforated cover -588N, H580N-16
83FR – DuraGard™ General Purpose Polyurethane

Features

- Weld spatter resistant
- Excellent abrasion resistance
- Extreme flexibility
- Compact bend radius
- Specially formulated polyurethane tube
- Twin-line or multi-line constructions available

Certifications

- MSHA Accepted
- Non-conductive per SAEJ343 test procedures for thermoplastic hose
- UL94HB compliant

Applications/Markets

- General purpose air and water hose often used in robotic welding applications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
<th>Weight</th>
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<td>89</td>
<td>.19</td>
</tr>
</tbody>
</table>

Construction

Tube: Specially formulated polyurethane
Reinforcement: Fiber
Cover: Polyurethane

Operating Parameters

Temperature Range:
-20°F to +200°F (-29°C to +93°C)
Change in working length @ Rated WPSI: ±2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

55 Series – pg. E-12
82 Series – (82 Series Fittings available from Parker Hose Products Division)
HY Series – pg. E-87 (**HY Fittings available from Parker Hose Products Division)

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 (BLK)
- Blue (BLU)
- Brown (BRN)
- Green (GRN)
- Gray (GRA)
- Red (RED)

Notes

*Temperature and pressure reduced with 82 series Push-Lok Fitting:
-20°F to +145°F (-29°C to +63°C)
175 PSI maximum working pressure
Non-perforated cover

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

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd
1035A – Power Cleaning

Features
- Non-marring
- Extremely flexible

Applications/Markets
- Pressure washers (low pressure)
- Carpet cleaning

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
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<td>.10</td>
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</table>

Construction
- Tube: Special PFX compound
- Reinforcement: Fiber
- Cover: Polyurethane

Operating Parameters
- Temperature Range: -25°F to +212°F (-32°C to +100°C)
- Change in working length @ Rated WPSI: ±2%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
- 55 Series – pg. E-12
- 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
- Blue

Notes
- Perforated cover
- No chlorinated solvents should be used
- HBR (Hose Bend Restrictor) suggested for carpet cleaning applications - See Hose Guard in Tooling Equipment and Accessories Section
1035HT – High Temperature Power Cleaning

Features
- Non-marring
- Broad temperature range

Applications/Markets
- Pressure washers (low pressure, high temperature)
- Carpet cleaning

### Operating Parameters
Temperature Range:
-40°F to +230°F (-40°C to +110°C)
Change in working length @ Rated WPSI: ±2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

### Construction
Tube: Nylon
Reinforcement: Fiber
Cover: Polyurethane

### Specifications

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<th>Minimum Bend Radius</th>
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### Fittings
55 Series – pg. E-12
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
- Yellow

### Notes
- Perforated cover
- No chlorinated solvents should be used
- HBR (Hose Bend Restrictor) suggested for carpet cleaning applications - See Hose Guard in Tooling Equipment and Accessories Section pg. F-21
B9 - General Purpose Transfer Hose

Features
- Excellent flexibility

Applications/Markets
- Low pressure transmission of air, oil, water, and coolants

<table>
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<th>Part Number</th>
<th>Nominal I.D.</th>
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<th>Maximum Working Pressure (73°F/23°C)</th>
<th>Minimum Bend Radius</th>
<th>Weight</th>
<th>Vac. Rating Hg./73°F</th>
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<td>55/HY* 82*</td>
<td>–</td>
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</tbody>
</table>

Construction
Tube: Specially formulated polyurethane
Reinforcement: Fiber
Cover: Specially formulated polyurethane

Operating Parameters
Temperature Range:
-40°F to +200°F (-40° C to +93° C)
(Limited to +130°F (+54°C) for water and water-based fluids)
Change in working length @ Rated WPSI: ±2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
55 Series – pg. E-12
82 Series – (*82 Series Fittings available from Parker Hose Products Division)

Colors
- Red
- Black (BK)

Notes
*Temperature and pressure reduced with 82 series
Push-Lok Fitting:
-20°F to +100°F (-29°C to +38°C)
100 PSI maximum working pressure
Non-perforated cover

For detailed ordering information, please consult price list or contact Parflex® Division.
CNG – Electrically Conductive Compressed Natural Gas Hose

**Features**
- Twin and multi-line available

**Certifications**
- Conforms to:
  - NFPA 52
  - ANSI/IAS NGV 4.2-1999
  - CSA12.52-M99

**Applications/Markets**
- CNG Dispenser
- Fleet transit
- CNG Fuel transfer
- Residential CNG refueling

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
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**Construction**
- Tube: Electrically conductive nylon
- Reinforcement: Fiber
- Cover: Polyurethane

**Operating Parameters**
- Temperature Range: -40°F to +180°F (-40°C to +82°C)
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

**Fittings**
- Factory-made assemblies only
- 55 Series – pg. E-12
- 58 Series – pg. E-12
- 58H Series – pg. E-41
- For Crimp Die Selection charts see pgs. G-30 : G-41

**Colors**
- Red

**Notes**
- Perforated cover
- CNG hose must be assembled at the factory or by a Parflex approved facility
- Wire spring guards must be used on ANSI/CSA design certified CNG dispenser hose assembly sizes -3 through -8: single and multi-line bonded assemblies - pg. F-21

For detailed ordering information, please consult price list or contact Parflex® Division.
Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd
HLB – Lubrication Line Hose

Features
- HLB remote lubrication system versus 1/4” rubber hoses can save money per line in reduced component and installation labor costs.
- Unique GK bulkhead hose fittings with integrated nipple can save money per zerk connection in unnecessary adapter costs.
- Compact 1/8” hoses save hundreds of dollars of waste in your operation by eliminating gallons of unnecessary “in-line” grease versus larger bore rubber hoses.

Certifications
- MSHA Accepted

Applications/Markets
- Grease and lubrication lines
- Agriculture
- Construction
- Industrial
- Material handling
- Mobile equipment
- Transportation

Construction
- Tube: Copolyester
- Reinforcement: Fiber
- Cover: Polyurethane

Operating Parameters
- Temperature Range: 
  -40°F to +212°F (-40°C to +100°C) with CY fittings
  (Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)
  - BU Series Field Attachable Fitting limited to 120°F
  - Change in working length @ Rated WPSI: ±3%
  - Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

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Fittings
- BU Series – pg. E-80
- CY Series – pg. E-81
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
- Not for use as a whip hose on hand-operated grease guns
- Bend restrictions are available only for permanent fittings.
- HBR (Hose Bend Restrictor) available for Marine Steering Hose Assemblies. See Hose Guard in Tooling Equipment and Accessories Section pg. F-21
- *HLB-2 - Guard P.N. CY02-652317
- **HLB-3 - Guard P.N. 3CNG-4
MSH – Marine Steering Fast Response Hose

Features

- Fast, accurate response
- Permanent or field attachable
- Salt water, corrosion resistant

Applications/Markets

- Wide range of marine applications
- Marine hydraulic steering systems

Construction

Tube: Nylon
Reinforcement: Fiber
Cover: Polyurethane

Operating Parameters

Temperature Range:
-40°F to +200°F (-40°C to +93°C)
(Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)

Change in working length @ Rated WPSI: ±2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

MS Series – pg. E-105
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

Non-perforated cover
Bend restrictions are available only for permanent fittings.
HBR (Hose Bend Restrictor) available for Marine Steering Hose Assemblies. See Hose Guard in Tooling Equipment and Accessories Section pg. F-21
MSXL – High Pressure Marine Steering Hose

Features
- Fast, accurate response
- Low volumetric expansion
- Salt water, corrosion resistant

Applications/Markets
- Wide range of marine applications
- Marine hydraulic steering systems

<table>
<thead>
<tr>
<th>Part Number</th>
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<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
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Construction
- Tube: Nylon
- Reinforcement: Fiber
- Cover: Polyurethane

Operating Parameters
- Temperature Range: 
  -40°F to +185°F (-40°C to +85°C)
- Change in working length @ Rated WPSI: ±2%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
- MS Series – pg. E-105
- 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
- Non-perforated cover
- HBR (Hose Bend Restrictor) available for Marine Steering Hose Assemblies. See Hose Guard in Tooling Equipment and Accessories Section pg. F-21
### PTH – Marine Power Tilt Hose

#### Features
- Compact design
- Abrasion resistant polyurethane jacket
- Excellent flexibility
- Corrosion resistant

#### Applications/Markets
- Power tilt mechanisms for outboard and stern drive engines
- Trim Tab assemblies
- Jack plate assemblies

#### Construction
- Tube: Nylon
- Reinforcement: Fiber and Stainless Steel braid
- Cover: Polyurethane

#### Operating Parameters
- Temperature Range: -40°F to +212°F (-40°C to +100°C)
- Change in working length @ Rated WPSI: ±2%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

#### Part Number

<table>
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<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
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</tbody>
</table>

#### Fittings
- 92 Series – pg. E-65
- 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
- Clear

#### Notes
- Non-perforated cover
- Also available as custom order with black jacket
S4 – Predator® Hose (Water Jetting/Lateral Cleaning)

Features
- Easily identified lime green cover signifies 4000 PSI constant pressure
- Slim profile and lightweight provide easy handling and routing

Certifications
- NSWMA (National Solid Waste Management Association)
- WASTEC (Waste Equipment Technology Association)
- WEMI (Waste Equipment Management Institute)
- Specifications for repair/inspection procedures for high pressure hose used in conjunction with sewer/catch basin cleaning equipment

Applications/Markets
- High-pressure water equipment for cleaning or debris removal in lateral sewer lines
- Lines provide connection from commercial, industrial or residential structure to the main sewer line located under the streets
- Lateral lines are smaller in diameter than the main lines, and rely more on water pressure than water volume to clear residue and obstructions
- For water/slurry applications, contact Parflex for chemical compatibility/recommendations

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Weight</th>
<th>Permanent Fitting Series</th>
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<tbody>
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<td>mm</td>
<td>inch</td>
<td>mm</td>
<td>psi</td>
<td>MPa</td>
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Construction
Tube: Gray Copolyester
Reinforcement: Fiber
Cover: Polyurethane

Operating Parameters
Temperature Range:
-40°F to +135°F for water (-40°C to +57°C)
Min. Burst Pressure is 2.5x Max. Working Pressure at 73°F (23°C)

Fittings
58 Series – pg. E-12
43 Series – (**43 Series Fittings available from Parker Hose Products Division)
HY Series – pg. E-87 (*HY Fittings available from Parker Hose Products Division)
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
- Green

Notes
Available in bulk hose only
Not for use in hydraulic applications
Perforated cover - S410
Non-perforated cover - S408
S5 – Predator® Hose (Water Jetting/Lateral Cleaning)

Features
• Easily identified lime green cover signifies 4000 PSI constant pressure
• Slim profile and lightweight provide easy handling and routing

Certifications
• NSWMA (National Solid Waste Management Association)
• WASTEC (Waste Equipment Technology Association)
• WEMI (Waste Equipment Management Institute)
• Specifications for repair/inspection procedures for high pressure hose used in conjunction with sewer/catch basin cleaning equipment

Applications/Markets
• High-pressure water equipment for cleaning or debris removal in lateral sewer lines
• Lines provide connection from commercial, industrial or residential structure to the main sewer line located under the streets
• Lateral lines are smaller in diameter than the main lines, and rely more on water pressure than water volume to clear residue and obstructions
• For water/slurry applications, contact Parflex for chemical compatibility/recommendations

Construction
Tube: Gray Copolyester
Reinforcement: Aramid Fiber
Cover: Polyurethane

Operating Parameters
Temperature Range:
-40°F to +135°F for water (-40°C to +57°C)
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

<table>
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<th>Nominal I.D.</th>
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<th>Minimum Bend Radius</th>
<th>Weight</th>
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<td>HY*/55</td>
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Fittings
55 Series – pg. E-12
HY Series – pg. E-87 (*HY Fittings available from Parker Hose Products Division)
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
• Green

Notes
Available in bulk hose only
S508 product can be mended with a swaged 1HUHY-8-8; HY end connections must be crimped
Not for use in hydraulic applications
Perforated cover

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

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd
S6 – Predator® Hose (Sewer Cleaning)

Features
- Easily identified orange cover signifies 2500 PSI constant pressure
- Bonded construction provides excellent kink resistance and flexibility

Certifications
- NSWMA (National Solid Waste Management Association)
- WASTEC (Waste Equipment Technology Association)
- WEMI (Waste Equipment Management Institute)
- Specifications for repair/inspection procedures for high pressure hose used in conjunction with sewer/catch basin cleaning equipment

Applications/Markets
- High-pressure and high-volume water equipment for cleaning or debris removal in large sewer lines
- For water/slurry applications, contact Parflex for chemical compatibility/recommendations

Construction
Tube: Gray Copolyester, S624 – Gray Nylon
Reinforcement: Fiber
Cover: Polyurethane

Operating Parameters
Temperature Range:
-40°F to +135°F (-40°C to +57°C)
Min. Burst Pressure is 2.5x Max. Working Pressure at 73°F (23°C)

Fittings
58 Series – pg. E-12
SQ Series (Swage Only) – pg. E-107
71 Series – (**71 Series Fittings available from Parker Hose Products Division)
HY Series – pg. E-87 (**HY Fittings available from Parker Hose Products Division)
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
- Orange

Notes
Available in bulk hose only
Not for use in hydraulic applications
Perforated cover - S612, S616
Non-perforated cover - S620, S624

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<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
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<td>kg./mtr.</td>
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<td>1.24 71**</td>
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</table>
S9 – Predator® Hose (Sewer Cleaning)

Features
- Easily identified blue cover signifies 3000 PSI constant pressure
- Bonded construction provides excellent kink resistance and flexibility

Certifications
- NSWMA (National Solid Waste Management Association)
- WASTEC (Waste Equipment Technology Association)
- WEMI (Waste Equipment Management Institute)
- Specifications for repair/inspection procedures for high pressure hose used in conjunction with sewer/catch basin cleaning equipment

Applications/Markets
- High-pressure and high-volume water equipment for cleaning or debris removal in large sewer lines
- For water/slurry applications, contact Parflex for chemical compatibility/recommendations

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
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<th>Permanent Fitting Series</th>
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Construction
Tube: Gray Copolyester
Reinforcement: Fiber
Cover: Polyurethane

Operating Parameters
Temperature Range:
-40°F to +135°F for water (-40°C to +57°C)
Min. Burst Pressure is 2.5x Max. Working Pressure at 73°F (23°C)

Fittings
58 Series – pg. E-12
SQ Series (Swage Only)– pg. E-107
HY Series – pg. E-87 (*HY Fittings available from Parker Hose Products Division)
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
- Blue

Notes
Available in bulk hose only
Not for use in hydraulic applications
Perforated cover

For detailed ordering information, please consult price list or contact Parflex® Division.
Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd
SLH – Sewer Leader Hose

Features
- Easily identified black cover indicates termination of hose

Certifications
- NSWMA (National Solid Waste Management Association)
- WASTEC (Waste Equipment Technology Association)
- WEMI (Waste Equipment Management Institute)

Applications/Markets
- Leader hose for S4/S5/S6/S9 high-pressure sewer cleaning hose

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
<th>Weight</th>
<th>Permanent Fitting Series</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>inch mm</td>
<td>inch mm</td>
<td>psi MPa</td>
<td>inch mm</td>
<td>inch mm lbs./ft. kg./mtr.</td>
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<td>6.00 152</td>
<td>28 .80 1.19 HY*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Construction
Tube: Gray Copolyester
Reinforcement: Wire
Cover: Neoprene

Operating Parameters
Temperature Range: 
-40°F to +150°F (-40°C to +66°C)
Min. Burst Pressure is 2.5x Max. Working Pressure at 73°F (23°C)

Fittings
58 Series – pg. E-12
HY Series – pg. E-87 (*HY Fittings available from Parker Hose Products Division)
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
Not for use in hydraulic applications
XDH eXtreme™ Duty Hose

Features
- Designed for high volume, repeatable applications in extreme environmental conditions such as high temperatures, complicated routings, and high abrasion areas
- All hoses heat formed into customized routings
- Can be easily routed throughout extreme environments, eliminating the need for metal tubing/hose combinations and multiple connecting points

Certifications
- Meets or Exceeds performance criteria of:
  - SAE J517 100R16
  - SAE J517 100R2
  - SAE J517 100R17
  - SAE J517 100R19

Applications/Markets
- Ideally suited for extreme environmental conditions such as high temperatures, complicated routings, high abrasion and aggressive fluids.

### Construction
- Tube: Engineered Thermoplastic
- Reinforcement: Braided Steel wire
- Cover: Engineered Thermoplastic

### Operating Parameters
- Temperature Range:
  - -65°F to +300°F (-54°C to +150°C)
  - Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids
- Min. Burst Pressure is 4x Max Working Pressure at 73°F (23°C)
- Change in working length @ Rated WPSI: +1%/-2%

### Fittings
- 55 Series – pg. E-12

### Colors
- Black

### Notes
- Factory-made assemblies only

### Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F / 23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
<th>Weight lbs./ft.</th>
<th>Weight kg./mtr.</th>
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<tbody>
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<td>.25</td>
<td>.37</td>
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</table>

For detailed ordering information, please consult price list or contact Parflex® Division.
Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd
Duraflex™ Hydraulic Hose Coil

Features
- Bonded twin-line construction
- Self retracting coil design

Certifications
- 528N - Meets or Exceeds SAE 100R8
- 548N - Meets or Exceeds SAE 100R7
- Meet SAE J517 for less than 50 micro-amps leakage under 75,000 volts per foot

Applications/Markets
- Hydraulic tool hose for aerial lift applications
- General hydraulics

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F / 23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
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<td>.08</td>
<td>55</td>
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Construction
Tube: Nylon
Reinforcement: 528N-Aramid fiber/548N-Fiber
Cover: Polyurethane

Operating Parameters
Temperature Range:
-40°F to +212°F (~-40°C to +100°C)
Change in working length @ Rated WPSI: ±2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings
55 Series – pg. E-12
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
- Orange (Non-Conductive)

Notes
- Non-Perforated cover

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
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<td>919B-8</td>
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<td>5.00</td>
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<td>625</td>
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<td>16.00</td>
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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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
<th>Weight</th>
<th>Permanent Fitting Series</th>
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<td>inch</td>
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<td>inch</td>
<td>mm</td>
<td>psi</td>
<td>MPa</td>
<td>inch</td>
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Construction
Tube: Natural FDA compliant PTFE
Reinforcement: 304 Stainless Steel braid
Cover: Extruded silicone

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

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

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<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
<th>Weight lbs./ft.</th>
<th>Permanent Fitting Series</th>
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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

<table>
<thead>
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<th>Applications/Markets</th>
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<tr>
<td>- Chemical transfer lines</td>
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<td>- General hydraulics</td>
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<td>- Compressed air/gases</td>
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<td>- Adhesive dispensing</td>
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<tr>
<td>- Coolant Lines</td>
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<td>- Medical Gases</td>
</tr>
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<td>- 919 (100R14) hose applications requiring tight routings</td>
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</table>

![Diagram of hose]

Part Number | Nominal I.D. | Maximum O.D. | Maximum Working Pressure 73°F/23°C | Minimum Bend Radius | Vac. Rating Hg./73°F | Weight lbs./ft. | Permanent Fitting Series |
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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

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<td>mm</td>
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</table>

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

Colors
- Brown

Notes
- Cover must be skived prior to fitting attachment

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

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
<th>Weight</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 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

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<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73˚F/23˚C</th>
<th>Minimum Bend Radius</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 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

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

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

<table>
<thead>
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<th>Maximum Working Pressure 73°F/23°C</th>
<th>Minimum Bend Radius</th>
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<th>Weight kg./mtr.</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 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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Maximum O.D.</th>
<th>Maximum Working Pressure 73˚F / 23˚C</th>
<th>Minimum Bend Radius</th>
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Construction
Tube: Black static-dissipative PTFE
Reinforcement: Double 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 3x Max. Working Pressure at 73°F (23°C)

Fittings
95 Series – pg. E-70

Notes
Factory-made assemblies only

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

### Specifications

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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 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

---

For detailed ordering information, please consult price list or contact Parflex® Division.
S30/S30B - Industrial .030” wall
PTFE Hose, Stainless Steel Braid

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

Compliances
- FDA 21 CFR 177.1550, 177.2600 (Natural tube)

Applications/MARKETS
- Food & Beverage
- Pharmaceutical
- Chemical transfer
- Fluid handling
- Cosmetics
- Paint

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<th>Part Number</th>
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<th>Minimum Bend Radius</th>
<th>Vac. Rating Hg./73°F</th>
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Construction
Tube: S30 - Natural FDA Compliant PTFE
S30B - Black Static-Dissipative PTFE
Reinforcement: 304 Stainless Steel braid

Operating Parameters
Temperature Range:
-100°F to +450°F (-73°C to +232°C)
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)
All ratings based on 72°F/23°C
Change in length at working pressure is +2% to -4%

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
Available from PAGE Business Unit, Ft. Worth, Texas (817) 624-1329 or email page@parker.com
See pg. A-20 for part numbering system

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

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

A-75
S40/S40B - Industrial .040 wall
Heavy Wall PTFE Hose, Stainless Steel Braid

Features
- 33% more PTFE
- High temperature hose
- Excellent chemical compatibility
- Improved bend radius
- Decreased gas permeation
- Low friction minimizes pressure drops and deposits

Compliances
- FDA 21 CFR 177.1550, 177.2600

Applications/Markets
- Food & Beverage
- Pharmaceutical
- Fluid handling
- Chemical transfer
- Cosmetics
- Paint

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<th>Part Number</th>
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Construction
Tube: S30 - Natural FDA Compliant PTFE
S30B - Black Static-Dissipative PTFE
Reinforcement: 304 Stainless Steel braid

Operating Parameters
Temperature Range:
-100°F to +450°F (-73°C to +232°C)
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)
All ratings based on 72°F/23°C
Change in length at working pressure is +2% to -4%

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
Available from PAGE Business Unit, Ft. Worth, Texas
(817) 624-1329 or email page@parker.com
See pg. A-20 for part numbering system
STW/STB - “TRUE BORE”
Smoothbore PTFE Hose, Stainless Steel Braid

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

Compliances
- FDA 21 CFR 177.1550, 177.2600
- USP XXII Class VI
- European Pharmacopoeia 3.1.9
- ISO 10993 Sections 5, 6, 10, 11

Applications/Markets
- Food & Beverage
- Pharmaceutical
- Fluid handling
- Chemical transfer
- Cosmetics
- Paint

### Construction
- Tube: STW - Natural FDA Compliant PTFE
  - STB - Black Static-Dissipative PTFE
- Reinforcement: 304 Stainless Steel braid

### Operating Parameters
- Temperature Range: -100°F to +450°F (-73°C to +232°C)
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)
- All ratings based on 72°F/23°C
- Change in length at working pressure is +2% to -4%

### Fittings
- PAGE Fittings – pg. E-71
- Uses crimp collar ST300, see pg. E-72
- 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
- Available from PAGE Business Unit, Ft. Worth, Texas (817) 624-1329 or email page@parker.com
- “Z” indicates double braid
- See pg. A-21 for part numbering system
- Cannot be used with 90 or 91N series fittings

### Specifications Table

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<th>Part Number</th>
<th>Nominal I.D.</th>
<th>Nominal O.D.</th>
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<th>Vac. Rating Hg./73°F</th>
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SBFW/SBFB - PAGE-flex™ SBF
Extra Flexible Fluoropolymer Hose

Features
- Half the minimum bend radius of conventional smoothbore products
- Kink and vacuum resistant
- Easily cleaned
- PPIH full line of optional reinforcement types
- Cooler outside temperatures reduces operator burns
- Reduces environment temperatures in confined areas
- Available with white Silicone jacket

Compliances
- FDA 21 CFR 177.1550, 177.2600
- USP XXII Class VI Certified
- European Pharmacopoeia 3.1.9
- ISO 10993 Sections 5, 6, 10

Applications/Markets
- Food & Beverage
- Pharmaceutical
- Fluid handling
- Chemical transfer
- Cosmetics
- Paint

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Construction
Tube: SBFW - Natural PFA tube
SBFB - Black Static-dissipative PFA tube
Reinforcement: bonded wire braid - silicone - textile braided composite with 316 Stainless Steel braid

Operating Parameters
Temperature Range:
-65°F to +325°F (-54°C to +163°C)
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)
All ratings based on 72°F/23°C

Fittings
PAGE Fittings – pg. E-71
Complete line of standard PPIH crimp fittings

Notes
Available from PAGE Business Unit, Ft. Worth, Texas (817) 624-1329 or email page@parker.com
Factory-made assemblies only
SBFB - Special order only
Available with white silicone jacket
See pg. A-21 for part numbering system
SCW/SCB - Convoluted PTFE Hose
316 Stainless Steel Braid

Features
- High temperature hose
- Excellent corrosion resistance
- Seamless
- Open pitch
- Self draining
- Withstands extreme flexing
- Environmentally safe; low effusion
- Long life expectancy

Compliances
- FDA 21 CFR 177.1550, 177.2600
- USP XXII Class VI
- European Pharmacopoeia 3.1.9
- ISO 10993 Sections 5, 6, 10, 11

Applications/Markets
- Fluid handling
- Chemical transfer
- Semiconductor
- Paint

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Construction
Tube: SCW - Natural FDA Compliant PTFE
SCB - Black Static-Dissipative PTFE
Reinforcement: 316 Stainless Steel braid

Operating Parameters
Temperature Range:
-100°F to +500°F (-73°C to +260°C)
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)
All ratings based on 72°F/23°C

Fittings
PAGE Fittings – pg. E-71
Uses crimp collar SC300, see pg. E-72
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
Available from PAGE Business Unit, Ft. Worth, Texas (817) 624-1329 or email page@parker.com
Not suggested for steam-cold water cycling applications
See pg. A-21 for part numbering system
Cannot be used with 90 or 91N series fittings

For detailed ordering information, please consult price list or contact Parflex® Division.
Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd
PCW/PCB - Convoluted PTFE Hose
Polypropylene Braid

Features
- Personal handling safety
- Excellent corrosion resistance
- Seamless
- Open pitch
- Self draining
- Withstands extreme flexing
- Environmentally safe; low effusion
- Long life expectancy

Compliances
- FDA 21 CFR 177.1550, 177.2600
- USP XXII Class VI
- European Pharmacopoeia 3.1.9
- ISO 10993 Sections 5, 6, 10, 11

Applications/Markets
- Fluid handling
- Chemical transfer
- Paint

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Construction
Tube: PCW - Natural FDA Compliant PTFE
PCB - Black Static-Dissipative PTFE
Reinforcement: Polypropylene

Operating Parameters
Temperature Range:
0°F to +212°F (-18°C to +100°C)
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)
All ratings based on 72°F/23°C

Fittings
PAGE Fittings – pg. E-71
Uses crimp collar PC300, see pg. E-72
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
Available from PAGE Business Unit, Ft. Worth, Texas
(817) 624-1329 or email page@parker.com
Not suggested for steam-cold water cycling applications
See pg. A-21 for part numbering system
Cannot be used with 90 or 91N series fittings

For detailed ordering information, please consult price list or contact Parflex® Division.
SCWV/SCBV
Stainless Steel Braid, Heavy Wall Convoluted PTFE Hose

Features
- High temperature hose
- Open pitch
- Thicker wall
- Handles vacuum applications at elevated temperatures
- Excellent chemical compatibility
- Easy Cleaning
- Non Adhesive

Applications/Markets
- Fluid handling
- Chemical transfer
- Semiconductor
- Paint

Compliances
- FDA 21 CFR 177.1550, 177.2600
- USP XXII Class VI
- European Pharmacopoeia 3.1.9
- ISO 10993 Sections 5, 6, 10, 11

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Construction
Tube: SCWV - Heavy Wall Natural FDA Compliant PTFE
SCBV - Heavy Wall Black Static-dissipative PTFE
Reinforcement: 316 Stainless Steel braid

Operating Parameters
Temperature Range:
-100°F to +500°F (-73°C to +260°C)
Min. Burst Pressure is 4x Max. Working Pressure at 73°F(23°C)
All ratings based on 72°F/23°C

Fittings
PAGE Fittings - pg. E-71
Uses crimp collar SC300, see pg. E-72
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
Available from PAGE Business Unit, Ft. Worth, Texas (817) 624-1329 or email page@parker.com
Not suggested for steam-cold water cycling applications
See pg. A-21 for part numbering system
Cannot be used with 90 or 91N series fittings
Vacuum wire recommended for 2-1/2 , 3 and 4 inch

For detailed ordering information, please consult price list or contact Parflex® Division.
Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd
PCWV/PCBV
Polypropylene Braid, Heavy Wall Convoluted PTFE Hose

Features
- Personal handling safety
- Open pitch
- Thicker wall
- Handles vacuum applications at elevated temperatures
- Excellent chemical compatibility
- Easy Cleaning
- Non Adhesive

Compliances
- FDA 21 CFR 177.1550, 177.2600
- USP XXII Class VI
- European Pharmacopoeia 3.1.9
- ISO 10993 Sections 5, 10, 11

Applications/Markets
- Fluid handling
- Chemical transfer
- Paint

Construction
Tube: PCWV - Heavy Wall Natural FDA Compliant PTFE
PCBV - Heavy Wall Black Static-dissipative PTFE
Reinforcement: Polypropylene

Operating Parameters
Temperature Range:
0°F to +212°F (-18°C to +100°C)
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)
All ratings based on 72°F/23°C

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<th>Part Number</th>
<th>Nominal I.D.</th>
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Fittings
PAGE Fittings – pg. E-71
Uses crimp collar PC300, see pg. E-72
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
Available from PAGE Business Unit, Ft. Worth, Texas (817) 624-1329 or email page@parker.com
Not suggested for steam-cold water cycling applications
See pg. A-21 for part numbering system
Cannot be used with 90 or 91N series fittings
SCWV-FS/SCBV-FS - Flare-Seal®
Stainless Steel Braid

Features
- Flare Seal fitting - Continuous PTFE through fitting: no area for bacterial entrapment
- Increased flow
- Thicker wall
- Excellent chemical compatibility
- Easy Cleaning
- Non Adhesive

Compliances
- FDA 21 CFR 177.1550, 177.2600
- USP XXII Class VI
- European Pharmacopoeia 3.1.9
- ISO 10993 Sections 5, 6, 10, 11

Applications/Markets
- Fluid handling
- Chemical transfer
- Paint
- Pharmaceutical
- Food & Beverage

### Part Number | Nominal I.D. | Nominal O.D. | Maximum Working Pressure 73°F/23°C | Minimum Bend Radius | Vac. Rating Hg./73°F | Weight lbs./ft. | kg./mtr.
--- | --- | --- | --- | --- | --- | --- | ---
Natural | Conductive | inch | mm | inch | mm | psi | bar | inch | mm | inch | lbs./ft. | kg./mtr.
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
08-SCWV-FS | 08-SCBV-FS | 1/2 | .75 | 19 | 500 | 35 | 2 | 51 | 28 | .17 | .26
16-SCWV-FS | 16-SCBV-FS | 1 | 1.25 | 32 | 350 | 24 | 4 | 102 | 28 | .37 | .55
20-SCWV-FS | 20-SCBV-FS | 1-1/4 | 1.66 | 42 | 325 | 22 | 5-1/2 | 140 | 28 | .56 | .83
24-SCWV-FS | 24-SCBV-FS | 1-1/2 | 1.92 | 49 | 300 | 21 | 7 | 178 | 28 | .64 | .95
32-SCWV-FS | 32-SCBV-FS | 2 | 2.49 | 63 | 250 | 17 | 8-1/2 | 216 | 28 | .84 | 1.24
40-SCWV-FS | 40-SCBV-FS | 2-1/2 | 3.25 | 83 | 200 | 14 | 12 | 305 | 28 | 1.52 | 2.26
48-SCWV-FS | 48-SCBV-FS | 3 | 3.90 | 97 | 175 | 12 | 14 | 356 | 28 | 1.82 | 2.71
64-SCWV-FS | 64-SCBV-FS | 4 | 5.67 | 121 | 150 | 10 | 16 | 406 | 28 | 2.10 | 3.13

Construction
Tube: SCWV-FS - Heavy Wall Natural FDA Compliant PTFE
SCBV-FS - Heavy Wall Black Static-dissipative PTFE
Reinforcement: 316 Stainless Steel braid

Operating Parameters
Temperature Range:
-100°F to +500°F (-73°C to +260°C)
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)
All ratings based on 73°F/23°C

Fittings
PAGE Fittings – pg. E-71

Notes
Available from PAGE Business Unit, Ft. Worth, Texas (817) 624-1329 or email page@parker.com
Factory-made assemblies only
Not suggested for steam-cold water cycling applications
All dimensions nominal
See pg. A-21 for part numbering system
Cannot be used with 90 or 91N series fittings
PCWV-FS/PCBV-FS - Flare-Seal®
Polypropylene Braid

Features
- Flare Seal fitting - Continuous PTFE through fitting; no area for bacterial entrapment
- Increased flow
- Personal handling safety
- Good chemical compatibility
- Easy Cleaning
- Non Adhesive

Compliances
- FDA 21 CFR 177.1550, 177.2600
- USP XXII Class VI
- European Pharmacopoeia 3.1.9
- ISO 10993 Sections 5, 6, 10, 11

Applications/Markets
- Fluid handling
- Chemical transfer
- Paint
- Pharmaceutical
- Food & Beverage

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Construction
Tube: PCWV-FS - Heavy Wall Natural FDA Compliant PTFE
PCBV-FS - Heavy Wall Black Static-dissipative PTFE
Reinforcement: Polypropylene

Operating Parameters
Temperature Range:
0°F to +212°F (-18°C to +100°C)
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)
All ratings based on 73°F/23°C

Fittings
PAGE Fittings – pg. E-71

Notes
Available from PAGE Business Unit, Ft. Worth, Texas (817) 624-1329 or email page@parker.com
Factory-made assemblies only
Not suggested for steam-cold water cycling applications
See pg. A-21 for part numbering system
Cannot be used with 90 or 91N series fittings
RCTW/RCTB EPDM Rubber Covered Fluoropolymer Hose

Features
- Personal handling safety
- Handles full vacuum
- Good chemical compatibility
- Easy Cleaning
- Non Adhesive

Compliances
- FDA 21 CFR 177.1550, 177.2600
- USP XXII Class VI Certified
- European Pharmacopoeia 3.1.9
- ISO 10993 Sections 5, 6, 10, 11

Applications/Markets
- Food & Beverage
- Pharmaceutical
- Fluid handling
- Chemical
- Industrial
- Paint
- Semiconductor

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<th>Part Number</th>
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Construction
Tube: RCTW - Natural FEP tube
RCTB - Static-dissipative PFA tube
Reinforcement: Double wire helix - multi layered rubber
Cover: Textile reinforced EPDM

Operating Parameters
Temperature Range:
-40°F to +300°F (-40°C to +149°C) Decrease working pressure one percent for every 2°F above 212°F
Operating pressures shown are for non-impulse service
All ratings based on 73°F/23°C

Fittings
PAGE Fittings – pg. E-71
Uses crimp collar RC300, see pg. E-72
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
Available from PAGE Business Unit, Ft. Worth, Texas
(817) 624-1329 or email page@parker.com
RCTB - Special order only
See pg. A-21 for part numbering system
Cannot be used with 90 or 91N series fittings