

Hose

Thermoplastic
Fluoropolymer



Table of Contents

Introduction

Visual Index	A-4 : A-6
Understanding Parflex Hose	A-7
How to Read the Hose Section	A-8
Thermoplastic Hose Selection - Construction/Specifications, psi	A-10
Thermoplastic Hose Selection - Construction/Specifications, MPa	A-14
Fluoropolymer Hose Selection - Construction/Specifications, psi	A-12
Fluoropolymer Hose Selection - Construction/Specifications, MPa	A-16
Nomenclature - Parflex Thermoplastic Hose Assembly	A-18
Nomenclature - Parflex PTFE Hose Assembly	A-19
Nomenclature - PAGE Industrial S30 & S40 Hose Assembly	A-20
Nomenclature - "True-Bore" & Convoluted Hose Assembly	A-21

Parflex Thermoplastic Hose

510A Refrigerant	A-38
510C General Hydraulic	A-39
518C General Hydraulic	A-40
518D General Hydraulic	A-41
515H Compact	A-42
520N General Hydraulic	A-43
526BA Breathing Air Refill, 6000 psi	A-44
527BA Breathing Air Refill, 7000 psi	A-45
528N General Hydraulic, Non-Conductive	A-43
53DM/538DM DuraMax™ Low Temperature/Non-Conductive	A-46
540N General Hydraulic	A-47
540P Specialty Water	A-48
55LT Low Temperature	A-49
560/560R General Hydraulic	A-34
563 General Hydraulic	A-35
56DH/568DH Diagnostic/Non-Conductive	A-50
569 High Pressure Hydraulic Hose	A-51
573X Fast Response, 3000 psi	A-52
575X Fast Response, 5000 psi	A-53
580N/H580N High Pressure	A-54
588N High Pressure, Non-Conductive	A-54
590 General Hydraulic	A-36
593 General Hydraulic	A-37
83FR General Purpose	A-55
1035A Power Cleaning	A-56
1035HT Power Cleaning, Non-Conductive	A-57
B9 General Purpose, Transfer Hose	A-58
CNG Compressed Natural Gas	A-59
D6 Hybrid, Constant Pressure, 3000 psi	A-22
D6R Hybrid Hose, Constant Pressure, 3000 psi	A-23



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

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

Parflex Thermoplastic Hose (cont.)

Duraflex 548N.....	A-67
H6 Constant Pressure, 3000 psi	A-28
HFS Hybrid, Fire-Screen®.....	A-24
HFSR Hybrid, Fire-Screen®	A-25
HFS2 Hybrid, Fire-Screen II®	A-26
HFS2R Hybrid, Fire-Screen II®	A-27
HJK Hybrid Highjack® Jackline	A-33
HLB Lubrication Line.....	A-60
HTB Hybrid Eliminator®, Compact.....	A-30
HTBR Hybrid Eliminator®, Compact	A-31
M8 High Pressure, Hydraulic.....	A-32
MSH Marine Steering	A-61
PTH Marine Power Tilt.....	A-62
R6 Hybrid Constant Pressure, Hydraulic Abrasion King®	A-29
S5N Predator® Water Jetting, 4000 psi.....	A-63
S6 Predator® Water Jetting, 2500 psi	A-64
S9 Predator® Water Jetting, 3000 psi.....	A-65
SLH Sewer Leader	A-66

Parflex Fluoropolymer Hose

919/919B PTFE Hose, Natural & Static Dissipative Core Tube	A-68
919J PTFE Hose, Silicone Cover	A-69
919U PTFE Hose, High Abrasion Resistance	A-70
929/929B Heavy Wall PTFE Hose, Natural & Static Dissipative Core Tube	A-71
929BJ PTFE Hose, Static Dissipative Core Tube, Silicone Cover.....	A-72
939/939B Convoluted PTFE Hose, Natural & Static Dissipative Core Tube	A-73
943B High Pressure PTFE Hose, Static Dissipative Core Tube, 3000 psi.....	A-74
944B High Pressure PTFE Hose, Static Dissipative Core Tube, up to 4500 psi	A-75
950B High Pressure PTFE Hose, Static Dissipative Core Tube, 4000 psi.....	A-76
955B High Pressure PTFE Hose, Static Dissipative Core Tube, 5500 psi.....	A-77

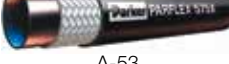
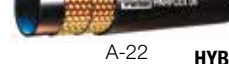
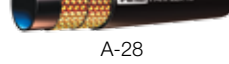
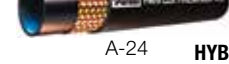
PAGE Fluoropolymer Hose

S30/S30B PTFE Hose, Nominal I.D., Natural & Static Dissipative Core Tube.....	A-78
S40/S40B Heavy Wall PTFE Hose, Nominal I.D., Natural & Static Dissipative Core Tube.....	A-79
STW/STB PTFE Hose, "True-Bore", Natural & Static Dissipative Core Tube	A-80
SBFW/SBFB PTFE Hose, PAGE-flex® SBF, Natural & Static Dissipative Core Tube.....	A-81
SCW/SCB Convoluted PTFE Hose, SS Braid, Natural & Static Dissipative Core Tube	A-82
PCW/PCB Convoluted PTFE Hose, PP Braid, Natural & Static Dissipative Core Tube	A-83
SCWV/SCBV Heavy Wall Convoluted PTFE Hose, SS Braid, Natural & Static Dissipative Core Tube	A-84
PCWV/PCBV Heavy Wall Convoluted PTFE Hose, PP Braid, Natural & Static Dissipative Core Tube	A-85
SCWV-FS/SCBV-FS Flare-Seal® PTFE Hose, SS Braid, Natural & Static Dissipative Core Tube	A-86
PCWV-FS/PCBV-FS Flare-Seal® PTFE Hose, PP Braid, Natural & Static Dissipative Core Tube.....	A-87
RCTW/RCTB EPDM Rubber Covered Hose, Natural & Static Dissipative Core Tube	A-88

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

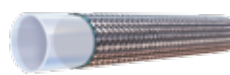
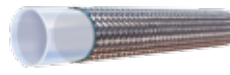


Parflex Hose Visual Index

Parflex Thermoplastic	510A Refrigerant	510C General Hydraulic	518C Non-Conductive Hydraulic
	 A-38	 A-39	 A-40
518D Non-Conductive Hydraulic	515H Compact/Lightweight	520N General Hydraulic	528N Non-Conductive Hydraulic
 A-41	 A-42	 A-43	 A-43
526BA Breathing Air Refill 6000 psi	527BA Breathing Air Refill 7000 psi	53DM DuraMax™ Low Temperature, 3000 psi	538DM DuraMax™ Low Temperature, Non-Conductive 3000 psi
 A-44	 A-45	 A-46	 A-46
540N General Hydraulic	540P Specialty Water	55LT Low Temperature	560 560R General Hydraulic
 A-47	 A-48	 A-49	 A-34
563 General Hydraulic	56DH Diagnostic Hose	568DH Non-Conductive Diagnostic Hose	569 High Pressure Hydraulic Hose
 A-35	 A-50	 A-50	 A-51
573X Fast Response 3000 psi	575X Fast Response 5000 psi	580N H580N High Pressure	588N Non-Conductive High Pressure
 A-52	 A-53	 A-54	 A-54
590 General Hydraulic Hose	593 General Hydraulic Hose	83FR General Purpose	1035A Power Cleaning
 A-36	 A-37	 A-55	 A-56
1035HT High Temperature Power Cleaning	B9 General Purpose	CNG Compressed Natural Gas	D6 Constant Pressure, 3000 psi
 A-57	 A-58	 A-59	 A-22 HYBRID
D6R Constant Pressure 3000 psi	Duraflex 548N Tool Hose	H6 Constant Pressure Hydraulic	HFS Fire-Screen®
 A-23 HYBRID	 A-67	 A-28	 A-24 HYBRID

Parflex Hose Visual Index (cont.)

Parflex Thermoplastic (cont.)		HFSR	Fire-Screen II®	HFS2	Fire-Screen ®	HFS2R	Fire-Screen II®
			A-25 HYBRID		A-26 HYBRID		A-27 HYBRID
HJK	Highjack® Jackline	HLB	Lubrication Line	HTB	Eliminator® Compact	HTBR	Eliminator® Compact
	A-33 HYBRID		A-60		A-30 HYBRID		A-31 HYBRID
M8	High Pressure Hydraulic	MSH	Marine Steering	PTH	Marine Power Tilt	R6	Constant Pressure Hydraulic
	A-32		A-61		A-62		A-29 HYBRID
S5N	Predator® Water Jetting 4000 psi	S6	Predator® Water Jetting 2500 psi	S9	Predator® Water Jetting 3000 psi	SLH	Predator® Sewer Leader
	A-63		A-64		A-65		A-66

Parflex PTFE		919	PTFE Hose	919B	PTFE Hose with Static-Dissipative Tube	919J	Silicone Covered PTFE Hose
			A-68		A-68		A-69
919U	High Abrasion Resistance PTFE Hose	929	Heavy Wall PTFE Hose	929B	Heavy Wall PTFE Hose with Static-Dissipative Tube	929BJ	Silicone Covered PTFE Hose with Static-Dissipative Tube
	A-70		A-71		A-71		A-72
939	Convuluted PTFE Hose	939B	Convuluted PTFE Hose with Static-Dissipative Tube	943B	High Pressure PTFE Hose with Static-Dissipative Tube	944B	High Pressure PTFE Hose with Static-Dissipative Tube
	A-73		A-73		A-74		A-75
950B	High Pressure PTFE Hose with Static-Dissipative Tube	955B	High Pressure PTFE Hose with Static-Dissipative Tube				
	A-76		A-77				

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

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



A-5

Hose
A

Tubing
B

Coiled Air Hose
& Fittings
C

Transportation
D

Fittings
E

Tooling, Equipment
& Accessories
F

General Technical
G

Parflex Hose Visual Index (cont.)

PAGE Product Line PTFE & Specialty	S30 Industrial .030 wall with SS Braid	S30B Conductive Industrial .030 wal twith SS Braid	S40 Heavy Wall .040 with SS Braid
	 A-78	 A-78	 A-79
S40B Conductive Heavy Wall .040 with SS Braid	STW "True-Bore" with SS Braid	STB Conductive "True-Bore" with SS Braid	SBFW PAGE-flex® SBF
 A-79	 A-80	 A-80	 A-81
SBFB Conductive PAGE-flex® SBF	SCW Convolved with SS Braid	SCB Conductive Convolved with SS Braid	PCW Convolved with PP Braid
 A-81	 A-82	 A-82	 A-83
PCB Conductive Convolved with PP Braid	SCWV Heavy Wall Convolved with SS Braid	SCBV Conductive Heavy Wall Convolved with SS Braid	PCWV Heavy Wall Convolved with PP Braid
 A-83	 A-84	 A-84	 A-85
PCBV Conductive Heavy Wall Convolved PP Braid	SCWV-FS Flare-Seal® with SS Braid	SCBV-FS Conductive Flare-Seal® with SS Braid	PCWV-FS Flare-Seal® with PP Braid
 A-85	 A-86	 A-86	 A-87
PCBV-FS Conductive Flare-Seal® with PP Braid	RCTW EPDM Rubber Covered Natural	RCTB EPDM Rubber Covered Conductive	
 A-87	 A-88	 A-88	

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 Class VI
 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" & Convuluted Hose Assembly Nomenclature pg. A-21

How to Read the Hose Section

1 Part Number	2 Nominal I.D.		3 Maximum O.D.		4 Maximum Working Pressure		5 Minimum Bend Radius		6 Weight		7 Permanent Fitting Series
#											
	inch	mm	inch	mm	psi/73°F	bar/23°C	inch	mm	lbs./ft.	kg./mtr.	
D604	1/4	6	.51	13	3,000	20.7	2.00	51	.12	.18	43/HY

Base part number example.

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

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.

Hose Constructions

Thermoplastic Hose Construction

1. Core

Contains Media

Materials: Nylon, Polyethylene, Polyurethane, Copolyester

2. Reinforcement

Provides Resistance to Internal Pressure

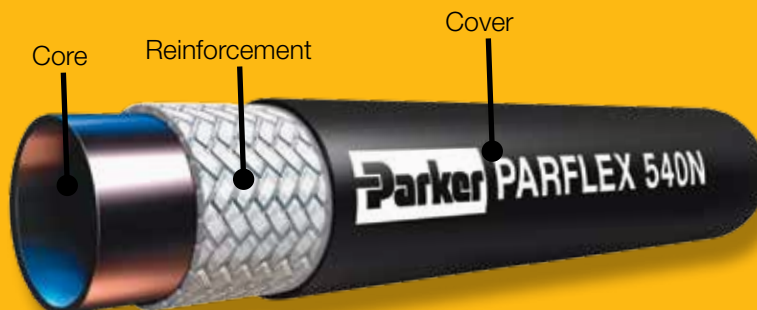
Materials: Fiber (Nylon, Polyester, Aramid), Steel, Stainless Steel

3. Cover

Protects Reinforcement

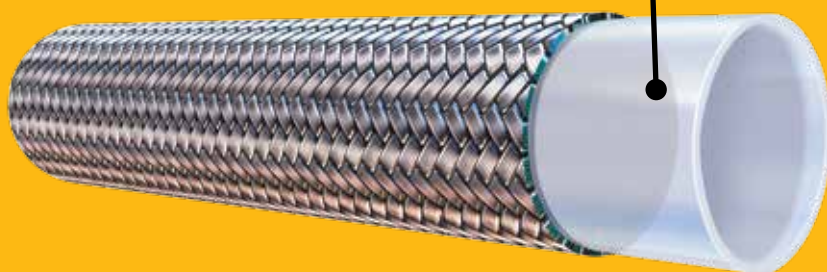
Advantages: Aesthetics, Color and Marking

Materials: Polyurethane, Nylon, Synthetic Rubber, Copolyester, Polyurethane, Proprietary Blend (PFX)

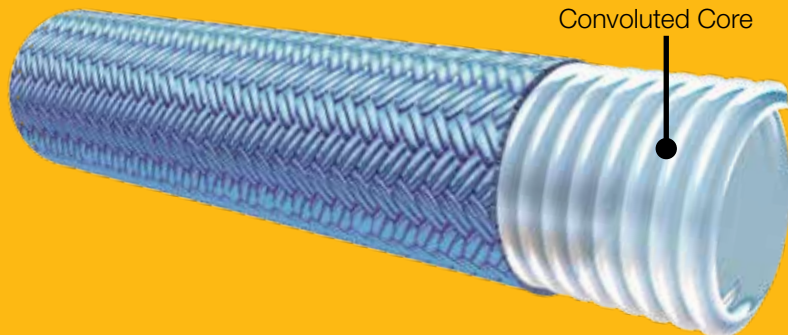


Fluoropolymer Hose Construction

Smoothbore Core



Convuluted Core



1. Core

Contains Media

Materials: PTFE Smoothbore or Convuluted, PFA

2. Reinforcement

Provides Resistance to Internal Pressure

Materials: Steel, Stainless Steel, Polypropylene, Nomex®, Proprietary Composite

3. Cover or Protective Sleeve

Protects Reinforcement

Materials: Silicone, Polyolefin, EPDM Rubber

Nomex® is a registered trademark of Dupont.

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

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



Thermoplastic Hose Selection

psi

Reinforcement Type	PSI Thermoplastic Hose Working Pressures													
			3/32	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2
	Dash Size		-1.5	-2	-3	-4	-5	-6	-8	-10	-12	-16	-20	-24
	Hose	Description	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi
Wire	D6/D6R	Hybrid - Constant Pressure Hydraulic				3000		3000	3000	3000	3000	3000		
	D6R	Hybrid - Constant Pressure Hydraulic				3000		3000	3000	3000	3000	3000		
	H6	Constrant Pressure Hydraulic				3000	3000	3000	3000	3000	3000			
	HFS	Hybrid - General Hydraulic				3000	3000	2500	2500		1500	1250		
	HFSR	Hybrid - General Hydraulic				3000	3000	2500	2500		1500	1250		
	HFS2	Hybrid - General Hydraulic				5000		4000	3500	2750	2250	2000		
	HFS2R	Hybrid - General Hydraulic				5000		4000	3500	2750	2250	2000		
	R6	Constrant Pressure Hydraulic				3000		3000	3000	3000	3000	3000		
	M8	Hybrid - High Pressure Hydraulic						4000	4000	4000				
	HTB	Hybrid - Compact High Pressure				7000		5500	5000	4000	4000	3500		
	HTBR	Hybrid - Compact High Pressure				7000		5500	5000	4000	4000	3500		
	HJK	Hybrid - Jackline				10000								
	560/560R	General Hydraulic			3500	3250	3000	2750	2500	2000	1750			
	563	Constant Pressure Hydraulic				3000		3000	3000					
590	General Hydraulic			5000	5000		4000	3500	3000	2500	2000			
593	General Hydraulic									3000	3250			
Fiber	510A	Industrial Refrigerant		2500	3000	2750	2500	2250	2000		1250	1000		
	510C	General Hydraulic		2500	3250	3000	2500	2250	2250		1250	1000		
	518C	Non-conductive Hydraulic		2500	3250	3000	2500	2250	2250		1250	1000		
	518D	Non-conductive Hydraulic		3000	3250	3000	2500	2250	2250		1250			
	515H	Compact/Lightweight Hydraulic			2175	2000	1750	1500	1500					
	520N / 528N	General Hydraulic / Non-conductive Hydraulic			5000	5000	4500	4000	3500					
	526BA	Breathing Air Refill			6000	6000		6000						
	527BA	Breathing Air Refill			7000	7000								
	53DM / 538DM	Low Temperature Hydraulic			3000	3000	3000	3000	3000	3000	3000			
	540N	General Hydraulic		3000	3000	2750	2500	2250	2000		1250			
	540P	Specialty Water				2750		2250	2000		1250			
	55LT	Low Temperature Hydraulic		3000	3250	3000	2500	2250	2000		1250			
	56DH / 568DH	Diagnostic	6000	6000										
	569	High Pressure				10000								
	573X	Fast Response Hydraulic			3000							3000		
	575X	Fast Response Hydraulic			5000	5000		5000	5000		5000	5000		
	580N / 588N	General Hydraulic / Non-conductive Hydraulic				5000		4000	3500	2750	2250	2000		
	H580N	General Hydraulic										3000		
	1035A	Power Cleaning				1500	1200							
	1035HT	Power Cleaning			2000	1750	1500							
	83FR	General Purpose Air/Water				300		300	300		300			
	B9	General Purpose Air/Water			250	250	250	250	250	250				
	5CNG	Compressed Natural Gas			5000	5000		5000	5000		5000	5000		
	HLB	Lubrication		3000	3000									
	MSH	Marine Steering					1000	1000						
	PTH	Power Tilt				3000								
	S5N	Sewer Cleaning - Lateral Cleaning							4000					
	S6	Sewer Cleaning									2500	2500	2500	2500
	S9	Sewer Cleaning									3000	3000		
	SLH	Sewer Cleaning Leader Hose							4000	4000	3000	3000		
	Duraflex	Aerial Lift - Hydraulic Tool						2250						

*View Government & Agency Specifications for exceptions, pg. G-60

LegendN – Nylon
NP – NeopreneP – Copolyester
PE – PolyethylenePFX – Proprietary Mat'I
S – SiliconeR – Rubber
U – Urethane

F – Fiber



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

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

Construction/Specifications

Hose
ATubing
BCoiled Air Hose
& Fittings
CTransportation
DFittings
ETooling, Equipment
& Accessories
FGeneral Technical
G

	PSI Thermoplastic Construction and Specifications								Reinforcement Type
	Core Tube	Reinforcement Material	Cover Material	SAE Specification	Additional Specifications	Page #	Description	Hose	
	P	Wire	R	100R17	MSHA IC-40/32	A-22	Hybrid - Constant Pressure Hydraulic	D6	Wire
	P	Wire	R		MSHA/ ISO 11237	A-23	Hybrid - Constant Pressure Hydraulic	D6R	
	P	Wire	P	100R17		A-28	Constrant Pressure Hydraulic	H6	
	P	Wire	R	100R1 / J1942	MSHA IC-40/32	A-24	Hybrid - General Hydraulic	HFS	
	P	Wire	R	100R1		A-25	Hybrid - General Hydraulic	HFSR	
	P	Wire	R	100R2 / 100R16 / J1942	MSHA IC-40/32	A-26	Hybrid - General Hydraulic	HFS2	
	P	Wire	R	100R16	MSHA IC-40/32	A-27	Hybrid - General Hydraulic	HFS2R	
	P	Wire	F	100R17		A-29	Constrant Pressure Hydraulic	R6	
	P	Wire	R	100R12	MSHA IC-40/32	A-32	Hybrid - High Pressure Hydraulic	M8	
	P	Wire	R	J1942	MSHA IC-40/32	A-30	Hybrid - Compact High Pressure	HTB	
	P	Wire	R		MSHA IC-40/32	A-31	Hybrid - Compact High Pressure	HTBR	
	P	Wire	R	-	IJ-100/MSHA	A-33	Hybrid - Jackline	HJK	
	P	Wire	U	100R1	MSHA IC-40/32 / DNV	A-34	General Hydraulic	560/560R	
	P	Wire	U	100R17	MSHA IC-40/32	A-35	Constant Pressure Hydraulic	563	
	P	Wire	U	100R2 / 100R16	DNV/ABS*	A-36	General Hydraulic	590	
	P / N	Wire	U	100R2	MSHA IC-40/32/ABS	A-37	General Hydraulic	593	
	PFX	Fiber	U	100R7	MSHA IC-40/32*	A-38	Industrial Refrigerant	510A	Fiber
	P	Fiber	PFX	100R7	MSHA IC-40/32*/DNV	A-39	General Hydraulic	510C	
	P	Fiber	PFX	100R7	DNV	A-40	Non-conductive Hydraulic	518C	
	N	Fiber	PFX	100R7	DNV	A-41	Non-conductive Hydraulic	518D	
	P	Fiber	U	-	MSHA IC-40/32	A-42	Compact/Lightweight Hydraulic	515H	
	N	Fiber	U	100R8	MSHA IC-40/32 / DNV*	A-43	General Hydraulic / Non-conductive Hydraulic	520N/ 528N	
	N	Fiber	U	-	CGA / NFPA 901	A-44	Breathing Air Refill	526BA	
	N	Fiber	U	-	CGA / NFPA 901	A-45	Breathing Air Refill	527BA	
	P	Fiber	P	100R18		A-46	Low Temperature Hydraulic	53DM / 538DM	
	N	Fiber	U	100R7	MSHA IC-40/32 / DNV	A-47	General Hydraulic	540N	
	PE	Fiber	U	100R7	FDA	A-48	Specialty Water	540P	
	P	Fiber	P	100R7		A-49	Low Temperature Hydraulic	55LT	
	N	Fiber	U	-	MSHA IC-40/32*	A-50	Diagnostic	56DH / 568DH	
	N	Fiber	U	-	IJ-100	A-51	High Pressure	569	
	N	Fiber	U	-	MSHA IC-40/32 / DNV*	A-52	Fast Response Hydraulic	573X	
	N	Fiber	U	-	MSHA IC-40/32 / DNV	A-53	Fast Response Hydraulic	575X	
	N	Fiber	U	100R8	MSHA IC-40/32 / DNV*	A-54	General Hydraulic / Non-conductive	580N / 588N	
	N	Fiber	U	100R8	DNV	A-54	General Hydraulic	H580N	
	PFX	Fiber	U	-		A-56	Power Cleaning	1035A	
	N	Fiber	U	-		A-57	Power Cleaning	1035HT	
	U	Fiber	U	-	MSHA IC-40/32	A-55	General Purpose Air/Water	83FR	
	U	Fiber	U	-		A-58	General Purpose Air/Water	B9	
	N	Fiber	U	-	ANSI IAS NGV4.2-CSA 12.52 / ECE R110*	A-59	Compressed Natural Gas	CNG	
	P	Fiber	U	-	MSHA IC-40/32	A-60	Lubrication	HLB	
	N	Fiber	U	-		A-61	Marine Steering	MSH	
	N	Fiber / SS Wire	U	-		A-62	Power Tilt	PTH	
	P	Fiber	U	-	Wastec WRP05-1996	A-63	Sewer Cleaning - Lateral Cleaning	S5N	
	P	Fiber	U	-	Wastec WRP05-1996	A-64	Sewer Cleaning	S6	
	P	Fiber	U	-	Wastec WRP05-1996	A-65	Sewer Cleaning	S9	
	P	Wire	R	-		A-66	Sewer Cleaning Leader Hose	SLH	
	N	Fiber	U	100R7		A-67	Aerial Lift - Hvdraulic Tool	Duraflex - 548N	

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



Fluoropolymer Hose Selection

psi

Reinforcement Type	PSI Fluoropolymer Hose Working Pressures															
	Fractional Size		Nominal Sizes													
			1/8	3/16 15/64	1/4	5/16	13/32 7/16	1/2	5/8	7/8 29/32	1-1/8	1/8	1/4	3/8	1/2	5/8
	Dash Size	-3	-4	-5	-6	-8	-10	-12	-16	-20	-3	-4	-6	-8	-10	
		psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	
Wire	919	PTFE Hose	3000	3000	3000	2500	2000	1500	1200	1000	625					
	919B	PTFE Hose with static-dissipative core		3000	3000	2500	2000									
	919J	Silicone Covered PTFE Hose		3000	3000	2500	2000	1500	1200							
	919U	High Abrasion Resistance PTFE Hose		3000		2500	2000		1200	1000						
	929	Heavy Wall PTFE Hose		3000		2500	2000									
	929B	Heavy Wall PTFE Hose with static-dissipative core		3000		2500	2000		1200	1250						
	929BJ	Silicone Covered PTFE Hose with static-dissipative core		3000		2500	2000		1200	1250						
	939	Convuluted PTFE Hose												1500	1350	1000
	939B	Convuluted PTFE Hose with static-dissipative core												1500	1350	1000
	943B	High Pressure PTFE Hose with static-dissipative core				3000	3000	3000	3000	3000						
	944B	High Pressure PTFE Hose with static-dissipative core		4500		4500	4500	4500	4500	4000						
	950B	High Pressure PTFE Hose with static-dissipative core		4000		4000	4000	4000	4000	4000						
	955B	High Pressure PTFE Hose with static-dissipative core		5500		5500	5500	5500	5500	5500						
	S30	PAGE Ind. PTFE Hose		3000	3000	2500	2000	1750	1500	1000						
	S30B	PAGE Ind. PTFE Hose with static-dissipative core		3000	3000	2500	2000	1750	1500	1000						
	S40	PAGE Ind. Heavy Wall PTFE Hose		3000	3000	2500	2000	1750	1500	1000						
	S40B	PAGE Ind. Heavy Wall PTFE Hose with static-dissipative core		3000	3000	2500	2000	1750	1500	1000						
	STW Z-STW*	PAGE Heavy Wall PTFE Hose *Double Braid										3000	3000	2000	1750	
	STB Z-STB*	PAGE Heavy Wall PTFE Hose with static-dissipative core *Double Braid										3000	3000	2000	1750	
	SCW	PAGE Convuluted PTFE Hose											1500	1500	1500	
	SCB	PAGE Convuluted PTFE Hose with static-dissipative core											1500	1500	1500	
	SCWV	PAGE Heavy Wall Convuluted PTFE Hose													1500	
SCBV	PAGE Heavy Wall Convuluted PTFE Hose with static-dissipative core													1500		
SCWV-FS	PAGE Flare-Seal® PTFE Hose													500		
SCBV-FS	PAGE Flare-Seal® PTFE Hose with static-dissipative core													500		
Fiber	PCW	PAGE Convuluted PTFE Hose, PP Braid											350	350	300	
	PCB	PAGE Convuluted PTFE Hose with static-dissipative core, PP Braid											350	350	300	
	PCWV	PAGE Heavy Wall Convuluted PTFE Hose, PP Braid													300	
	PCBV	PAGE Heavy Wall Convuluted PTFE Hose with static-dissipative core, PP Braid													300	
	PCWV-FS	PAGE Flare-Seal® PTFE Hose, PP Braid													300	
	PCBV-FS	PAGE Flare-Seal® PTFE Hose with static-dissipative core, PP Braid													300	
Other	RCTW	PAGE Rubber Covered EPDM													500	
	RCTB	PAGE Rubber Covered EPDM with static-dissipative core													500	
	SBFW	PAGE Page-Flex® SBF												300	300	
	SBFB	PAGE Page-Flex® SBF with static-dissipative core												300	300	

*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.

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

Construction/Specifications

Hose
AB
TubingC
Coiled Air Hose
& FittingsD
TransportationE
FittingsF
Tooling, Equipment
& AccessoriesG
General Technical

PSI Fluoropolymer Construction and Specifications														Reinforcement Type
3/4	1	1 1/4	1 1/2	2	2-1/2	3	4					Fractional Size		
-12	-16	-20	-24	-32	-40	-48	-64	Core Tube	Reinforcement Material	Cover Material	Page #	Dash Size		
psi	psi	psi	psi	psi	psi	psi	psi							
								PTFE	SS Wire	—	A-65	PTFE Hose		919
								PTFE-S	SS Wire	—	A-65	PTFE Hose with static-dissipative core		919B
								PTFE	SS Wire	S	A-66	Silicone Covered PTFE Hose		919J
								PTFE	SS Wire	U	A-67	High Abrasion Resistance PTFE Hose		919U
								PTFE	SS Wire	—	A-68	Heavy Wall PTFE Hose		929
								PTFE-S	SS Wire	—	A-68	Heavy Wall PTFE Hose with static-dissipative core		929B
								PTFE-S	SS Wire	S	A-69	Silicone Covered PTFE Hose with static-dissipative core		929BJ
1100	1000	1000	750	250				PTFE	SS Wire	—	A-70	Convoluted PTFE Hose		939
1100	1000	1000	1000	1000				PTFE-S	SS Wire	—	A-70	Convoluted PTFE Hose with static-dissipative core		939B
								PTFE-S	SS Wire	—	A-71	High Pressure PTFE Hose with static-dissipative core		943B
								PTFE-S	SS Wire	—	A-72	High Pressure PTFE Hose with static-dissipative core		944B
								PTFE-S	SS Wire	—	A-73	High Pressure PTFE Hose with static-dissipative core		950B
								PTFE-S	SS Wire	—	A-74	High Pressure PTFE Hose with static-dissipative core		955B
								PTFE	SS Wire	—	A-75	PAGE Ind. PTFE Hose		S30
								PTFE-S	SS Wire	—	A-75	PAGE Ind. PTFE Hose with static-dissipative core		S30B
								PTFE	SS Wire	—	A-76	PAGE Ind. Heavy Wall PTFE Hose		S40
								PTFE-S	SS Wire	—	A-76	PAGE Ind. Heavy Wall PTFE Hose with static-dissipative core		S40B
1000	1000 1200*	1000*	900*					PTFE	SS Wire	—	A-77	PAGE Heavy Wall PTFE Hose *Double Braid		STW Z-STW*
1000	1000 1200*	1000*	900*					PTFE-S	SS Wire	—	A-77	PAGE Heavy Wall PTFE Hose with static-dissipative core *Double Braid		STB Z-STB*
1200	1000	750	650	450				PTFE	SS Wire	—	A-82	PAGE Convoluted PTFE Hose		SCW
1200	1000	750	650	450				PTFE-S	SS Wire	—	A-82	PAGE Convoluted PTFE Hose with static-dissipative core		SCB
1200	1000	750	650	450	200	175	150	PTFE	SS Wire	—	A-84	PAGE Heavy Wall Convoluted PTFE Hose		SCWV
1200	1000	750	650	450	200	175	150	PTFE-S	SS Wire	—	A-84	PAGE Heavy Wall Convoluted PTFE Hose with static-dissipative core		SCBV
425	350	325	300	250	200	175	150	PTFE	SS Wire	—	A-86	PAGE Flare-Seal® PTFE Hose		SCWV-FS
425	350	325	300	250	200	175	150	PTFE-S	SS Wire	—	A-86	PAGE Flare-Seal® PTFE Hose with static-dissipative core		SCBV-FS
250	250	200	200	200	200	200	200	PTFE	PP	—	A-83	PAGE Convoluted PTFE Hose, PP Braid		PCW
250	250	200	200	200	200	200	200	PTFE-S	PP	—	A-83	PAGE Convoluted PTFE Hose with static-dissipative core, PP Braid		PCB
250	250	200	200	200	150	125	100	PTFE	PP	—	A-85	PAGE Heavy Wall Convoluted PTFE Hose, PP Braid		PCWV
250	250	200	200	200	150	125	100	PTFE-S	PP	—	A-85	PAGE Heavy Wall Convoluted PTFE Hose with static-dissipative core, PP Braid		PCBV
250	250	200	200	200	150	125	100	PTFE	PP	—	A-87	PAGE Flare-Seal® PTFE Hose, PP Braid		PCWV-FS
250	250	200	200	200	150	125	100	PTFE-S	PP	—	A-87	PAGE Flare-Seal® PTFE Hose with static-dissipative core, PP Braid		PCBV-FS
500	450	375	375	300	200	200	150	FEP	Double Wire Helix	EPDM	A-88	PAGE Rubber Covered EPDM		RCTW
500	450	375	375	300	200	200	150	PFA-S	Double Wire Helix	EPDM	A-88	PAGE Rubber Covered EPDM with static-dissipative core		RCTB
250	250		200					PFA	Bonded Wire-Silicone-Fiber	—	A-78	PAGE Page-Flex® SBF		SBFW
250	250		200					PFA-S	Bonded Wire-Silicone-Fiber	—	A-78	PAGE Page-Flex® SBF with static-dissipative core		SBFB

PFA-S – Perfluoroalkoxy, Static Dissipative

PP – Polypropylene

S – Silicone

U – Polyurethane

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

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

A-13

Thermoplastic Hose Selection

MPa

Reinforcement Type	MPa Thermoplastic Hose Working Pressures															
			3/32	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2		
	Dash Size		-1.5	-2	-3	-4	-5	-6	-8	-10	-12	-16	-20	-24		
	Hose	Description	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi	psi		
Wire	D6/D6R	Hybrid - Constant Pressure Hydraulic				20.7		20.7	20.7	20.7	20.7	20.7				
	D6R	Hybrid - Constant Pressure Hydraulic				20.7		20.7	20.7	20.7	20.7	20.7				
	H6	Constrant Pressure Hydraulic				20.7	20.7	20.7	20.7	20.7	20.7					
	HFS	Hybrid - General Hydraulic				20.7	20.7	17.2	17.2		10.3	8.6				
	HFSR	Hybrid - General Hydraulic				20.7	20.7	17.2	17.2		10.3	8.6				
	HFS2	Hybrid - General Hydraulic				34.5		27.6	24.1	19.0	15.5	13.8				
	HFS2R	Hybrid - General Hydraulic				34.5		27.6	24.1	19.0	15.5	13.8				
	R6	Constrant Pressure Hydraulic				20.7		20.7	20.7	20.7	20.7	20.7				
	M8	Hybrid - High Pressure Hydraulic						27.6	27.6	27.6						
	HTB	Hybrid - Compact High Pressure				48.3		37.9	34.5	27.6	27.6	24.1				
	HTBR	Hybrid - Compact High Pressure				48.3		37.9	34.5	27.6	27.6	24.1				
	HJK	Hybrid - Jackline				68.9										
	560/560R	General Hydraulic			24.1	31.7	20.7	19.0	17.2	13.8	12.1					
	563	Constant Pressure Hydraulic				20.7		20.7	20.7							
	590	General Hydraulic			34.5	34.5		27.6	24.1	20.7	17.2	13.8				
593	General Hydraulic									20.7	31.7					
Fiber	510A	Industrial Refrigerant		17.2	20.7	10.3	17.2	15.5	13.8		8.6	6.9				
	510C	General Hydraulic		17.2	31.7	20.7	17.2	15.5	15.5		8.6	6.9				
	518C	Non-conductive Hydraulic		17.2	31.7	20.7	17.2	15.5	15.5		8.6	6.9				
	518D	Non-conductive Hydraulic		20.7	31.7	20.7	17.2	15.5	15.5		8.6					
	515H	Compact/Lightweight Hydraulic			15.0	13.8	12.1	10.3	10.3							
	520N / 528N	General Hydraulic / Non-conductive Hydraulic			34.5	34.5	31.0	27.6	24.1							
	526BA	Breathing Air Refill			41.4	41.4		41.4								
	527BA	Breathing Air Refill			48.3	48.3										
	53DM / 538DM	Low Temperature Hydraulic			20.7	20.7	20.7	20.7	20.7	20.7	20.7					
	540N	General Hydraulic		20.7	20.7	19.0	17.2	15.5	13.8		8.6					
	540P	Specialty Water				19.0		15.5	13.8		8.6					
	55LT	Low Temperature Hydraulic		20.7	31.7	20.7	17.2	15.5	13.8		8.6					
	56DH / 568DH	Diagnostic	41.4	41.4												
	569	High Pressure				70.0										
	573X	Fast Response Hydraulic			20.7							20.7				
	575X	Fast Response Hydraulic			34.5	34.5		34.5	34.5		34.5	34.5				
	580N / 588N	General Hydraulic / Non-conductive Hydraulic				34.5		27.6	24.1	10.3	15.5	13.8				
	H580N	General Hydraulic										20.7				
	1035A	Power Cleaning				10.3	8.3									
	1035HT	Power Cleaning			13.8	12.1	10.3									
	83FR	General Purpose Air/Water				2.1		2.1	2.1		2.1					
	B9	General Purpose Air/Water			1.7	1.7	1.7	1.7	1.7	1.7						
	5CNG	Compressed Natural Gas			34.5	34.5		34.5	34.5		34.5	34.5				
	HLB	Lubrication		20.7	20.7											
	MSH	Marine Steering					6.9	6.9								
	PTH	Power Tilt				20.7										
	S5N	Sewer Cleaning - Lateral Cleaning							27.6							
	S6	Sewer Cleaning									17.2	17.2	17.2	17.2		
	S9	Sewer Cleaning									20.7	20.7				
	SLH	Sewer Cleaning Leader Hose							27.6	27.6	20.7	20.7				
	Duraflex	Aerial Lift - Hydraulic Tool						15.5								



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

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

Construction/Specifications

Hose
ATubing
BCoiled Air Hose
& Fittings
CTransportation
DFittings
ETooling, Equipment
& Accessories
FGeneral Technical
G

	MPa Thermoplastic Hose Working Pressures								Reinforcement Type
	Core Tube	Reinforcement Material	Cover Material	SAE Specification	Additional Specifications	Page #	Description	Hose	
	P	Wire	R	100R17	MSHA IC-40/32	A-22	Hybrid - Constant Pressure Hydraulic	D6	Wire
	P	Wire	R		MSHA/ ISO 11237	A-23	Hybrid - Constant Pressure Hydraulic	D6R	
	P	Wire	P	100R17		A-28	Constrant Pressure Hydraulic	H6	
	P	Wire	R	100R1 / J1942	MSHA IC-40/32	A-24	Hybrid - General Hydraulic	HFS	
	P	Wire	R	100R1		A-25	Hybrid - General Hydraulic	HFSR	
	P	Wire	R	100R2 / 100R16 / J1942	MSHA IC-40/32	A-26	Hybrid - General Hydraulic	HFS2	
	P	Wire	R	100R16	MSHA IC-40/32	A-27	Hybrid - General Hydraulic	HFS2R	
	P	Wire	F	100R17		A-29	Constrant Pressure Hydraulic	R6	
	P	Wire	R	100R12	MSHA IC-40/32	A-32	Hybrid - High Pressure Hydraulic	M8	
	P	Wire	R	J1942	MSHA IC-40/32	A-30	Hybrid - Compact High Pressure	HTB	
	P	Wire	R		MSHA IC-40/32	A-31	Hybrid - Compact High Pressure	HTBR	
	P	Wire	R	-	IJ-100/MSHA	A-33	Hybrid - Jackline	HJK	
	P	Wire	U	100R1	MSHA IC-40/32 / DNV	A-34	General Hydraulic	560/560R	
	P	Wire	U	100R17	MSHA IC-40/32	A-35	Constant Pressure Hydraulic	563	
	P	Wire	U	100R2 / 100R16	DNV/ABS*	A-36	General Hydraulic	590	
	P / N	Wire	U	100R2	MSHA IC-40/32/ABS	A-37	General Hydraulic	593	Fiber
	PFX	Fiber	U	100R7	MSHA IC-40/32*	A-38	Industrial Refrigerant	510A	
	P	Fiber	PFX	100R7	MSHA IC-40/32*/DNV	A-39	General Hydraulic	510C	
	P	Fiber	PFX	100R7	DNV	A-40	Non-conductive Hydraulic	518C	
	N	Fiber	PFX	100R7	DNV	A-41	Non-conductive Hydraulic	518D	
	P	Fiber	U	-	MSHA IC-40/32	A-42	Compact/Lightweight Hydraulic	515H	
	N	Fiber	U	100R8	MSHA IC-40/32 / DNV*	A-43	General Hydraulic / Non-conductive Hydraulic	520N/ 528N	
	N	Fiber	U	-	CGA / NFPA 1901	A-44	Breathing Air Refill	526BA	
	N	Fiber	U	-	CGA / NFPA 1901	A-45	Breathing Air Refill	527BA	
	P	Fiber	P	100R18		A-46	Low Temperature Hydraulic	53DM / 538DM	
	N	Fiber	U	100R7	MSHA IC-40/32 / DNV	A-47	General Hydraulic	540N	
	PE	Fiber	U	100R7	FDA	A-48	Specialty Water	540P	
	P	Fiber	P	100R7		A-49	Low Temperature Hydraulic	55LT	
	N	Fiber	U	-	MSHA IC-40/32*	A-50	Diagnostic	56DH / 568DH	
	N	Fiber	U	-	IJ-100	A-51	High Pressure	569	
	N	Fiber	U	-	MSHA IC-40/32 / DNV*	A-52	Fast Response Hydraulic	573X	
	N	Fiber	U	-	MSHA IC-40/32 / DNV	A-53	Fast Response Hydraulic	575X	
	N	Fiber	U	100R8	MSHA IC-40/32 / DNV*	A-54	General Hydraulic / Non-conductive	580N / 588N	
	N	Fiber	U	100R8	DNV	A-54	General Hydraulic	H580N	
	PFX	Fiber	U	-		A-56	Power Cleaning	1035A	
	N	Fiber	U	-		A-57	Power Cleaning	1035HT	
	U	Fiber	U	-	MSHA IC-40/32	A-55	General Purpose Air/Water	83FR	
	U	Fiber	U	-		A-58	General Purpose Air/Water	B9	
	N	Fiber	U	-	ANSI IAS NGV4.2-CSA 12.52 / ECE R110*	A-59	Compressed Natural Gas	CNG	
	P	Fiber	U	-	MSHA IC-40/32	A-60	Lubrication	HLB	
	N	Fiber	U	-		A-61	Marine Steering	MSH	
	N	Fiber / SS Wire	U	-		A-62	Power Tilt	PTH	
	P	Fiber	U	-	Wastec WRP05-1996	A-63	Sewer Cleaning - Lateral Cleaning	S5N	
	P	Fiber	U	-	Wastec WRP05-1996	A-64	Sewer Cleaning	S6	
	P	Fiber	U	-	Wastec WRP05-1996	A-65	Sewer Cleaning	S9	
	P	Wire	R	-		A-66	Sewer Cleaning Leader Hose	SLH	
	N	Fiber	U	100R7		A-67	Aerial Lift - Hydraulic Tool	Duraflex - 548N	

*View Government & Agency Specifications for exceptions, pg. G-60

LegendN – Nylon
NP – NeopreneP – Copolyester
PE – PolyethylenePFX – Proprietary Mat'l
S – SiliconeR – Rubber
U – Urethane

F – Fiber

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

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

A-15

Fluoropolymer Hose Selection

MPa

Reinforcement Type	MPa Fluoropolymer Hose Working Pressures														
	Fractional Size		Nominal Sizes												
			1/8	3/16 15/64	1/4	5/16	13/32 7/16	1/2	5/8	7/8 29/32	1-1/8	1/8	1/4	3/8	1/2
	Dash Size		-3	-4	-5	-6	-8	-10	-12.1	-16	-20	-3	-4	-6	-8
			MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa	MPa
Wire	919	PTFE Hose	20.7	20.7	20.7	17.2	13.8	10.3	8.3	6.9	4.3				
	919B	PTFE Hose with static-dissipative core		20.7	20.7	17.2	13.8								
	919J	Silicone Covered PTFE Hose		20.7	20.7	17.2	13.8	10.3	8.3						
	919U	High Abrasion Resistance PTFE Hose		20.7		17.2	13.8		8.3	6.9					
	929	Heavy Wall PTFE Hose		20.7		17.2	13.8								
	929B	Heavy Wall PTFE Hose with static-dissipative core		20.7		17.2	13.8		8.3	9					
	929BJ	Silicone Covered PTFE Hose with static-dissipative core		20.7		17.2	13.8		8.3	9					
	939	Convuluted PTFE Hose											10.3	9.3	6.9
	939B	Convuluted PTFE Hose with static-dissipative core											10.3	9.3	6.9
	943B	High Pressure PTFE Hose with static-dissipative core				20.7	20.7	20.7	20.7	20.7					
	944B	High Pressure PTFE Hose with static-dissipative core		31.0		31.0	31.0	31.0	31.0	27.5					
	950B	High Pressure PTFE Hose with static-dissipative core		27.5		27.5	27.5	27.5	27.5	27.5					
	955B	High Pressure PTFE Hose with static-dissipative core		37.9		37.9	37.9	37.9	37.9	37.9					
	S30	PAGE Ind. PTFE Hose		20.7	20.7	17.2	13.8	12.1	10.3	6.9					
	S30B	PAGE Ind. PTFE Hose with static-dissipative core		20.7	20.7	17.2	13.8	12.1	10.3	6.9					
	S40	PAGE Ind. Heavy Wall PTFE Hose		20.7	20.7	17.2	13.8	12.1	10.3	6.9					
	S40B	PAGE Ind. Heavy Wall PTFE Hose with static-dissipative core		20.7	20.7	17.2	13.8	12.1	10.3	6.9					
	STW Z-STW*	PAGE Heavy Wall PTFE Hose *Double Braid										20.7	20.7	13.8	12.1
	STB Z-STB*	PAGE Heavy Wall PTFE Hose with static-dissipative core *Double Braid										20.7	20.7	13.8	12.1
	SCW	PAGE Convuluted PTFE Hose											10.3	10.3	10.3
SCB	PAGE Convuluted PTFE Hose with static-dissipative core											10.3	10.3	10.3	
SCWV	PAGE Heavy Wall Convuluted PTFE Hose													10.3	
SCBV	PAGE Heavy Wall Convuluted PTFE Hose with static-dissipative core													10.3	
SCWV-FS	PAGE Flare-Seal® PTFE Hose													3.5	
SCBV-FS	PAGE Flare-Seal® PTFE Hose with static-dissipative core													3.5	
Fiber	PCW	PAGE Convuluted PTFE Hose, PP Braid										2.4	2.4	2.1	
	PCB	PAGE Convuluted PTFE Hose with static-dissipative core, PP Braid										2.4	2.4	2.1	
	PCWV	PAGE Heavy Wall Convuluted PTFE Hose, PP Braid												2.1	
	PCBV	PAGE Heavy Wall Convuluted PTFE Hose with static-dissipative core, PP Braid												2.1	
	PCWV-FS	PAGE Flare-Seal® PTFE Hose, PP Braid												2.1	
	PCBV-FS	PAGE Flare-Seal® PTFE Hose with static-dissipative core, PP Braid												2.1	
Other	RCTW	PAGE Rubber Covered EPDM												3.5	
	RCTB	PAGE Rubber Covered EPDM with static-dissipative core												3.5	
	SBFW	PAGE Page-Flex® SBF											2.1	2.1	
	SBFB	PAGE Page-Flex® SBF with static-dissipative core											2.1	2.1	

*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.

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

Construction/Specifications

Hose
ATubing
BCoiled Air Hose
& Fittings
CTransportation
DFittings
ETooling, Equipment
& Accessories
FGeneral Technical
G

psi Fluoropolymer Construction and Specifications													Reinforcement Type	
3/4	1	1 1/4	1 1/2	2	2-1/2	3	4					Fractional Size		
-12.	-16	-20	-24	-32	-40	-48	-64	Core Tube	Reinforcement Material	Cover Material	Page #	Dash Size		
psi	psi	psi	psi	psi	psi	psi	psi							
								PTFE	SS Wire	—	A-65	PTFE Hose	919	Wire Braid
								PTFE-S	SS Wire	—	A-65	PTFE Hose with static-dissipative core	919B	
								PTFE	SS Wire	S	A-66	Silicone Covered PTFE Hose	919J	
								PTFE	SS Wire	U	A-67	High Abrasion Resistance PTFE Hose	919U	
								PTFE	SS Wire	—	A-68	Heavy Wall PTFE Hose	929	
								PTFE-S	SS Wire	—	A-68	Heavy Wall PTFE Hose with static-dissipative core	929B	
								PTFE-S	SS Wire	S	A-69	Silicone Covered PTFE Hose with static-dissipative core	929BJ	
7.6	6.9	6.9	5.2	1.7				PTFE	SS Wire	—	A-70	Convuluted PTFE Hose	939	Wire Braid
7.6	6.9	6.9	5.2	1.7				PTFE-S	SS Wire	—	A-70	Convuluted PTFE Hose with static-dissipative core	939B	
								PTFE-S	SS Wire	—	A-71	High Pressure PTFE Hose with static-dissipative core	943B	
								PTFE-S	SS Wire	—	A-72	High Pressure PTFE Hose with static-dissipative core	944B	
								PTFE-S	SS Wire	—	A-73	High Pressure PTFE Hose with static-dissipative core	950B	
								PTFE-S	SS Wire	—	A-74	High Pressure PTFE Hose with static-dissipative core	955B	
								PTFE	SS Wire	—	A-75	PAGE Ind. PTFE Hose	S30	
								PTFE-S	SS Wire	—	A-75	PAGE Ind. PTFE Hose with static-dissipative core	S30B	
								PTFE	SS Wire	—	A-76	PAGE Ind. Heavy Wall PTFE Hose	S40	
								PTFE-S	SS Wire	—	A-76	PAGE Ind. Heavy Wall PTFE Hose with static-dissipative core	S40B	
6.9	6.9 8.3*	6.9*	6.2*					PTFE	SS Wire	—	A-77	PAGE Heavy Wall PTFE Hose *Double Braid	STW Z-STW*	
6.9	6.9 8.3*	6.9*	6.2*					PTFE-S	SS Wire	—	A-77	PAGE Heavy Wall PTFE Hose with static-dissipative core *Double Braid	STB Z-STB*	
8.3	6.9	5.2	4.5	3.1				PTFE	SS Wire	—	A-82	PAGE Convuluted PTFE Hose	SCW	
8.3	6.9	5.2	4.5	3.1				PTFE-S	SS Wire	—	A-82	PAGE Convuluted PTFE Hose with static-dissipative core	SCB	
8.3	6.9	5.2	4.5	3.1	1.4	1.2	1.0	PTFE	SS Wire	—	A-84	PAGE Heavy Wall Convuluted PTFE Hose	SCWV	
8.3	6.9	5.2	4.5	3.1	1.4	1.2	1.0	PTFE-S	SS Wire	—	A-84	PAGE Heavy Wall Convuluted PTFE Hose with static-dissipative core	SCBV	
2.9	2.4	2.2	2.1	1.7	1.4	1.2	1.0	PTFE	SS Wire	—	A-86	PAGE Flare-Seal® PTFE Hose	SCWV-FS	
2.9	2.4	2.2	2.1	1.7	1.4	1.2	1.0	PTFE-S	SS Wire	—	A-86	PAGE Flare-Seal® PTFE Hose with static-dissipative core	SCBV-FS	
1.7	1.7	1.4	1.4	1.4	1.4	1.4	1.4	PTFE	PP	—	A-83	PAGE Convuluted PTFE Hose, PP Braid	PCW	Fiber
1.7	1.7	1.4	1.4	1.4	1.4	1.4	1.4	PTFE-S	PP	—	A-83	PAGE Convuluted PTFE Hose with static-dissipative core, PP Braid	PCB	
1.7	1.7	1.4	1.4	1.4	1.0	.86	.69	PTFE	PP	—	A-85	PAGE Heavy Wall Convuluted PTFE Hose, PP Braid	PCWV	
1.7	1.7	1.4	1.4	1.4	1.0	.86	.69	PTFE-S	PP	—	A-85	PAGE Heavy Wall Convuluted PTFE Hose with static-dissipative core, PP Braid	PCBV	
1.7	1.7	1.4	1.4	1.4	1.0	.86	.69	PTFE	PP	—	A-87	PAGE Flare-Seal® PTFE Hose, PP Braid	PCWV-FS	
1.7	1.7	1.4	1.4	1.4	1.0	.86	.69	PTFE-S	PP	—	A-87	PAGE Flare-Seal® PTFE Hose with static-dissipative core, PP Braid	PCBV-FS	
3.5	3.1	2.6	2.6	2.1	1.4	1.4	1.0	FEP	Double Wire Helix	EPDM	A-88	PAGE Rubber Covered EPDM	RCTW	
3.5	3.1	2.6	2.6	2.1	1.4	1.4	1.0	PFA-S	Double Wire Helix	EPDM	A-88	PAGE Rubber Covered EPDM with static-dissipative core	RCTB	
1.7	1.7		1.4					PFA	Bonded Wire-Silicone-Fiber	—	A-78	PAGE Page-Flex® SBF	SBFW	
1.7	1.7		1.4					PFA-S	Bonded Wire-Silicone-Fiber	—	A-78	PAGE Page-Flex® SBF with static-dissipative core	SBFB	

PFA-S – Perfluoroalkoxy, Static Dissipative

PP - Polypropylene

S – Silicone

U – Polyurethane

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

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

A-17

Parflex Thermoplastic Hoses

Parflex Thermoplastic Hose Assembly Nomenclature



F **540N** **06** **39** **12** **12** **12** - **52**

F	Prefix	540N	Hose		06-39	Fitting Configuration*
	F – Parkrimp (i.e. 55 series)		D6/D6R	53DM		01 – Male Pipe Thread (with hex) - NPTF
			H6	540N		02 – Female Pipe Thread - NPT
	A – Factory Crimp (i.e. 54 series)		R6	540P		03 – Male SAE (JIC) 37° Flare
			HFS	55LT		05 – Male Straight Thread w/ O-Ring
	R – Field Attachable (i.e. 51 series)		HFS2	56DH		06 – Female SAE (JIC) 37° Swivel
			M8	575X		07 – Female Pipe Swivel
			HTB	580N		13 – Male Pipe Swivel - NPTF
			HJK	H580N		37 – Female SAE (JIC) 37° Swivel - 45° Elbow
			560	588N		39 – Female SAE (JIC) 37° Swivel - 90° Elbow
			563	1035A		41 – Female SAE (JIC) 37° Swivel - 90° Long Elbow
			590	1035HT		JC – Female Seal-Lok™ (ORFS) Swivel Short
			593	83FR		FU – Female JIC/BSP 30° Flare Swivel
			510A	B9		MU – Metric Female JIC/BSP 30° Flare Swivel
			510C	5CNG		J0 – Male Seal-Lok™ (ORFS) Rigid Straight w/O-Ring
			518C	HLB		GU – Female JIC/BSP Parallel Pipe Swive (60° Cone)
			515H	MSH		JS – Female Seal-Lok™ (ORFS) Swivel
			520N	PTH		J7 – Female Seal-Lok™ (ORFS) Swivel - 45° Elbow
			528N	SLH		J9 – Female Seal-Lok™ (ORFS) Swivel - 90° Elbow
			526BA			TU – Universal Tube Stub
			527BA			AL – A-Lok® Compression

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

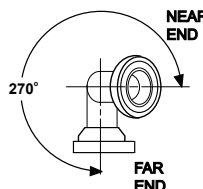
* See pg. E-4 for detailed list of available fitting configurations.

12	Connection Size 1	12	Connection Size 2	12	Hose Size	C	Fitting Material
-2	1 1/8	-2	2 1/8	-2	= 1/8		** No Material Designation, Steel
-3	1 3/16	-3	2 3/16	-3	= 3/16		C = Stainless Steel
-4	1 1/4	-4	2 1/4	-4	= 1/4		B = Brass
-5	1 5/16	-5	2 5/16	-5	= 5/16		
-6	1 3/8	-6	2 3/8	-6	= 3/8		
-8	1 1/2	-8	2 1/2	-8	= 1/2		
-10	1 5/8	-10	2 5/8	-10	= 5/8		
-12	1 3/4	-12	2 3/4	-12	= 3/4		
-16	1 1	-16	2 1	-16	= 1		
-20	1 1-1/4	-20	2 1-1/4				

52	Overall Length	##	Displacement Angle
	Expressed in inches		Specified only if two elbow fittings are used to construct hose assembly.*

NOTE: Face Seal type fittings are measured from sealing face.

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



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

Parflex PTFE Hoses

Parflex PTFE Hose Assembly Nomenclature



P 919 06 39 06 06 06 C - 30

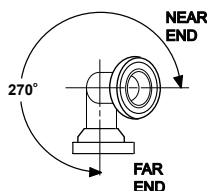
P	Prefix	919	Hose	06-39	Fitting Configuration*
			Natural		
			Static Dissipative		
	P – Permanent Crimp (i.e. 91N series)		919		01 – Male Pipe Thread (with hex) - NPTF
	R – Field Attachable (i.e. 90 series)		919J		02 – Female Pipe Thread - NPT
	Factory Crimp (i.e. 94 series)		919U		03 – Male SAE (JIC) 37° Flare
					05 – Male Straight Thread w/ O-Ring
			929		06 – Female SAE (JIC) 37° Swivel
			939		07 – Female Pipe Swivel
					37 – Female SAE (JIC) 37° Swivel - 45° Elbow
					39 – Female SAE (JIC) 37° Swivel - 90° Elbow
					41 – Female SAE (JIC) 37° Swivel - 90° Long Elbow
					JC – Female Seal-Lok™ (ORFS) Swivel Short
					FU – Female JIC/BSP 30° Flare Swivel
					MU – Metric Female JIC/BSP 30° Flare Swivel
					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.

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

NOTE: Face Seal type fittings are measured from sealing face.

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



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

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

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



A-19

Hose
A

Tubing
B

Coiled Air Hose
& Fittings
C

Transportation
D

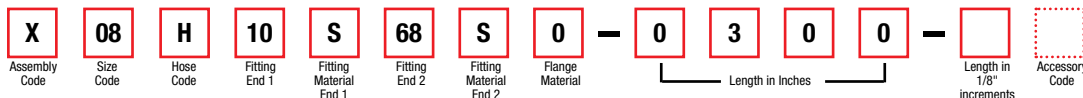
Fittings
E

Tooling, Equipment
& Accessories
F

General Technical
G

Parflex PAGE Product Line

PAGE Industrial S30 & S40 Hose Assembly Nomenclature



Assembly Code	
Permanently Attached	X
Field Attachable	FA

Size Code	
1/4"	05
5/16"	06
13/32"	08
1/2"	10
5/8"	12
7/8"	16
1-1/8"	20

Hose Code	
S30	S
S30B	SB
S40	H
S40B	HB
ZS40	R
ZS40B	RB
944B	944B
955B	955B

Fitting Code	
Pipe Thread Fittings	
Male Pipe NPT Hex	10
Male Pipe NPT Step Up	15
Male Pipe NPT Step Down	20
Male Union	11
Male Union 45°	14
Male Union 90°	19
Male Union Step Up	16
Male Union Step Down	21
Female Pipe NPT Hex	55
Female Pipe Step Up	58
Female Pipe Step Down	59
Female Union	80
Female Union Step Up	84
Female Union Step Down	88
JIC Fittings	
JIC Female Swivel	68
JIC Female 45° Elbow	66
JIC Female 90° Elbow	67
SAE Female Swivel	69
SAE Female 45° Elbow	70
SAE Female 90° Elbow	71
JIC Female Step Up	64
JIC Female Step Down	65
Tube Stub Fittings	
Tube Stub	91
Tube Stub Step Up	93
Tube Stub Step Down	95
SAE Male Compression	96
Inverted Flare & Power Trim Fittings	
Male Straight	76

Fitting Material	
Stainless (SS)	S
Brass	B
Carbon Steel	C

Accessory Code	
None	
Spring Guard	S
Armour Guard	A
End Bend Restrictors	E
Fire Sleeve	F
Rubber Sleeve	H
FEP Heat Shrink	T
Polyolefin Heat Shrink	P
Silicone Sleeve	M
Internal Spring	I
Vacuum Spring Wire	W
Specials	X

Example: X08H10S68S0-0300

Size: 08 (13/32 I.D.) **Style:** S40

Braid: SS Single Braid

Core: Heavy Wall Smoothbore Convuluted 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.

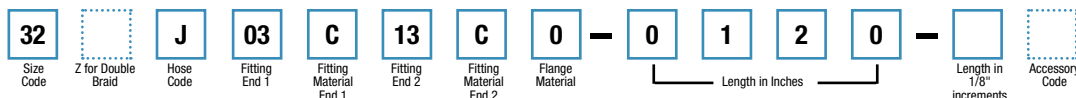
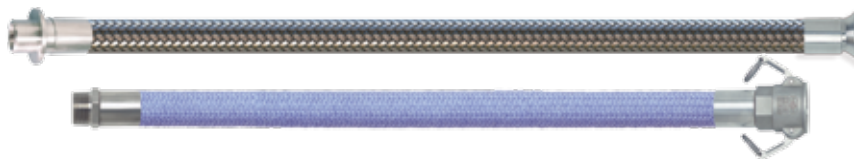


For detailed ordering information, please consult price list or contact Parflex® Division.

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

Parflex PAGE Product Line

“True-Bore” & Convoluted Hose Assembly Nomenclature



Size Code	
3/16"	03
1/4"	04
5/16"	05
3/8"	06
1/2"	08
5/8"	10
3/4"	12
7/8"	14
1"	16
1-1/4"	20
1-1/2"	24
2"	32
2-1/2"	40
3"	48
4"	64

Hose Code	
ACW	A
CBV	BV
CWV	V
KCB	RB
KCW	R
NCB	MB
NCW	M
PCB	NB
PCBV	PB
PCW	N
PCWV	P
RCTB	GB
RCTW	G
SBFW	SBF
SCB	TB
SCBV	JB
SCW	T
SCWV	J
STB	SB
STW	S

Fitting Code	
Industrial Thread	
Male Pipe NPT Hex	03
Female Pipe NPT Hex	06
Male Pipe NPT Step Down	13
Male Pipe NPT Step Up	23
Male Union Step Up	34
Male Union Step Down	35
JIC Female Swivel	30
Male JIC 37°	31
JIC Female Step Up	32
Male Union	33
Female Union	36
Female NPSH	27
Female ORFS Swivel	80
Male ORFS	81
Male O-Ring Boss	86
Flanges	
Flange Retainer	05
Flare-Seal® Flange Retainer	29
Cam Lock	
Female Cam Lock	07
With Locking Handles	17
Male Cam Lock	08
Sanitary	
Sanitary Tri Clamp	40
Sanitary Tri Clamp 45°	4K
Sanitary Tri Clamp 90°	4L
Sanitary 1-Step Up	4A
Sanitary 2-Step Up	4B
Sanitary 3-Step Up	4C
Sanitary Flare Seal™	4F
Sanitary Mini	42
Sanitary Mini Step Up	43
I-Line Male	48
I-Line Female	49
Bevel Seat Female	45
Bevel Seat Male	46
Tube and Vacuum	
PAGElok™ Tube Adapter	38
PAGElok™ Tube Compression Fitting	39
Special Ends	
Standard Cuffed Ends	90
Non Standard Fitting	99

Fitting Material	
304 Stainless (SS 304)	4
316 Stainless (SS 316)	6
316 Stainless (SS 15Ra) Electropolished to 15Ra	E
Carbon Steel	C
PFA Encapsulated	T
Hastelloy	H
Monel	M

Flange Material	
None	0
Carbon Steel	D
Epoxy Coated	
304SS	4
316SS	6
Kynar	K
Polypropylene	P
Non Standard	X

Accessory Code	
None	
Spring Guard	S
Armour Guard	A
End Bend Restrictors	E
Fire Sleeve	F
Rubber Sleeve	H
FEP Heat Shrink	T
Polyolefin Heat Shrink	P
Silicone Sleeve	M
Vacuum Spring Wire	W
Specials	X

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 pagesales@parker.com.

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

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



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
- Construction Equipment
- Lubricating Oils
- Transportation

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
D604	1/4	6	.51	13	3,000	20.7	2.00	51	28	.12	.18	43**HY***
D606	3/8	10	.67	17	3,000	20.7	2.50	64	28	.19	.28	58/43**/HY***
D608	1/2	13	.82	21	3,000	20.7	3.50	89	28	.29	.43	58/43**/HY***
D610*	5/8	16	1.02	26	3,000	20.7	4.00	102	28	.47	.70	58/HY***
D612*	3/4	19	1.20	30	3,000	20.7	4.80	122	28	.73	1.09	43**/HY***
D616*	1	25	1.50	38	3,000	20.7	6.00	152	28	1.01	1.50	43**/HY***

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-107 (**HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

Notes

*Two wire braid

D6R – Hybrid Hose



Features

- Long continuous package lengths available
- Up to 40% lighter than comparable rubber hoses
- Wide range of fluid compatibility
- Compact hose construction
- Bend radius less than half of conventional SAE 100R1 & 100R2 hoses
- UV resistant cover
- Low force to flex
- 3,000 psi working pressure

Applications/Markets



- Medium pressure hydraulic applications
- Agricultural Equipment
- Construction Equipment
- Lubricating Oils
- Transportation

Certifications

- ISO 11237 Type R17
- SAE 100R17
- MSHA accepted

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./m.	
D6R04	1/4	6	.46	12	3,000	21.0	1.5	38	0.10	0.14	55/56
D6R05	5/16	8	.55	14	3,000	21.0	2.25	57	0.14	0.21	55/56
D6R06	3/8	10	.61	16	3,000	21.0	2	51	0.17	0.24	55/56
D6R08	1/2	13	.76	19	3,000	21.0	3	76	0.26	0.37	55/56
D6R10	5/8	16	.96	24	3,000	21.0	3.5	89	0.42	0.62	56
D6R12	3/4	19	1.15	29	3,000	21.0	4.5	114	0.70	1.04	56
D6R16	1	25	1.44	37	3,000	21.0	5.5	140	0.94	1.39	56

Construction

Tube: Copolyester

Reinforcement: Steel wire

Cover: Smooth synthetic rubber

Operating Parameters

Temperature Range:

Petroleum base hydraulic fluids and lubricating oils within a temperature range of -40°F to +250°F (-40°C to +121°C)

Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids up to +185°F (+85°C)

Water/glycol hydraulic fluids up to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

Change in Working Length @

Max. Working Pressure: +2/-4%

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

Fittings

55 Series – pg. E-12

56 Series – pg. E-36

HY* Series – pg. E-107

(HY Fittings available from Parker Hose Products Division)

*HY fittings are only approved on an adjustable crimper

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Color

- Black

Notes

Reference Parflex Safety Guide in Catalog 4660 for complete guidelines on hose selection and maintenance

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

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



A-23

Hose
A

Tubing
B

Coiled Air Hose
& Fittings
C

Transportation
D

Fittings
E

Tooling, Equipment
& Accessories
F

General Technical
G

HFS – Fire-Screen® 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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series	Field Attachable Series
#													
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.		
HFS04	1/4	6	.51	13	3,000	20.7	2.00	51	28	.12	.18	43*/HY**	BA
HFS05	5/16	8	.59	15	3,000	20.7	2.25	57	28	.17	.25	HY**	–
HFS06	3/8	10	.67	17	2,500	17.2	2.50	64	28	.19	.28	58/43*/HY**	BA
HFS08	1/2	13	.79	20	2,500	17.2	3.50	89	28	.25	.37	58/43*/HY**	BA
HFS12	3/4	19	1.07	27	1,500	10.3	5.00	127	28	.37	.55	43*/HY**	–
HFS16	1	25	1.37	35	1,250	8.6	10.00	254	28	.53	.79	HY**	–

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

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

Fittings

58 Series – pg. E-12

BA Series – pg. E-99

43 Series – (*43 Series Fittings available from Parker Hose Products Division)

HY Series – pg. E-107 (**HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

HFSR Hybrid Hose with Rubber Cover



Features

- Long package lengths typical, up to 500 foot
- Increased oil, ozone and impulse resistance
- Up to 40% lighter than comparable rubber hoses
- UV resistant cover
- Low force to flex
- Low length change under pressure
- Patented process that bonds the core to the reinforcement
 - resists kinking
 - resists core wash out

Applications/Markets



- Industrial
- Material Handling
- Construction
- Waste & Refuse
- Utility Equipment
- Paving and road maintenance

Certifications

- Meets or exceeds SAE J517-100R1
- Meets or exceeds ISO Pressure standards

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#													
	inch	mm	inch	mm	psi@73°C	MPa@23°F	psi@73°F	MPa@23°C	inch	mm	lbs./ft.	kg./m.	
HFSR04	1/4	6	.46	12	3,000	20.6	12,000	82.7	1-1/2	38	0.10	0.14	55/56/HY*
HFSR05	5/16	8	.52	13	3,000	20.6	12,000	82.7	1-3/4	45	0.12	0.18	55/56/HY*
HFSR06	3/8	10	.61	16	2,500	17.2	10,000	68.9	2	51	0.17	0.25	55/56/HY*
HFSR08	1/2	13	.74	19	2,500	17.2	10,000	68.9	3	76	0.21	0.32	55/56/HY*
HFSR12	3/4	19	1.02	26	1,500	10.3	6,000	41.3	4-1/4	108	0.31	0.46	55/56/HY*
HFSR16	1	25	1.31	33	1,250	8.6	5,000	34.4	7-1/2	191	0.44	0.66	55/56/HY*

Construction

Tube: Copolyester

Reinforcement: Steel wire

Cover: Smooth synthetic rubber

Operating Parameters

Temperature Range:

Petroleum base hydraulic fluids and lubricating oils within a temperature range of -40°F to +250°F (-40°C to +121°C)

Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids up to +185°F (+85°C)

Water/glycol hydraulic fluids up to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

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

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

Fittings

55 Series – pg. E-12

56 Series – pg. E-36

HY* Series – pg. E-107

*HY fittings are only approved on an adjustable crimper

Crimp information can be found online, for most Parker products, at www.parker.com/crimpsource

HY Series – pg. E-107 (HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Color

- Black

Notes

Reference Parflex Safety Guide in Catalog 4660 for complete guidelines on hose selection and maintenance

HFS2 – Fire-Screen II® Hybrid Hose



Features

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

Certifications

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

Applications/Markets



- Medium pressure hydraulic applications
- Mobile Equipment
- Machine Tools
- Agricultural Equipment

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series	Field Attachable Series
#													
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.		
HFS204*	1/4	6	.57	14	5,000	34.5	2.00	51	28	.21	.31	43**/HY***	BA
HFS206	3/8	10	.68	17	4,000	27.6	2.50	64	28	.23	.34	58/43**/HY***	BA
HFS208	1/2	13	.82	21	3,500	24.1	3.50	89	28	.29	.43	58/43**/HY***	BA
HFS210	5/8	16	.97	25	2,750	19.0	4.00	102	28	.38	.57	43**/HY***	—
HFS212	3/4	19	1.10	28	2,250	15.5	4.75	121	28	.45	.67	43**/HY***	BA
HFS216*	1	25	1.45	37	2,000	13.8	6.00	152	28	.80	1.19	43**/HY***	BA

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

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

Fittings

58 Series – pg. E-12 BA Series – pg. E-99

43 Series – (**43 Series Fittings available from Parker Hose Products Division)

HY Series – pg. E-107 (**HY Fittings available from Parker Hose Products Division) *HY fittings are only approved on an adjustable crimper

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

Notes

*Two wire braid

HFS2R – Fire-Screen II® Hybrid Hose



Features

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

Certifications

- Meets/Exceeds SAE 100R16
- MSHA Accepted

Applications/Markets



- Medium pressure hydraulic applications
- Mobile Equipment
- Machine Tools
- Agricultural Equipment

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
HFS2R04	1/4	6	.54	14	5,000	34.5	2.00	51	28	.21	.31	55/56
HFS2R06	3/8	10	.64	16	4,000	27.6	2.50	64	28	.23	.34	55/56/HY*
HFS2R08	1/2	13	.76	19	3,500	24.1	3.50	89	28	.29	.43	55/56/HY*
HFS2R10	5/8	16	.93	24	2,750	19.0	4.00	102	28	.38	.57	55/56/HY*
HFS2R12	3/4	19	1.07	27	2,250	15.5	4.75	121	28	.45	.67	56/HY*
HFS2R16	1	25	1.40	35	2,000	13.8	6.00	152	28	.80	1.19	56/HY*

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 +185°F (+85°C) for synthetic hydraulic fluids and water-based fluids)

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

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

Fittings

55 Series – pg. E-12 56 Series – pg. E-36

HY* Series – pg. E-107

(HY Fittings available from Parker Hose Products Division)

*HY fittings are only approved on an adjustable crimper

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
H604	1/4	6	.49	12	3,000	20.7	2.00	51	28	.12	.18	56
H605	5/16	8	.56	14	3,000	20.7	2.25	57	28	.14	.21	HY***
H606	3/8	10	.65	17	3,000	20.7	2.50	64	28	.19	.28	56/43**
H608	1/2	13	.78	20	3,000	20.7	3.50	89	28	.29	.43	56
H610*	5/8	16	1.00	25	3,000	20.7	4.00	102	28	.47	.70	HY***
H612*	3/4	19	1.17	30	3,000	20.7	4.75	121	28	.69	1.03	HY***

Construction

Tube: Copolyester

Reinforcement: One or two braids of high tensile steel wire

Cover: Abrasion-resistant copolymer

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 Max. Working Pressure: +2% to -4%

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

Fittings

56 Series – pg. E-36

43 Series – (**43 Fittings available from Parker Hose Products Division)

HY Series – pg. E-107 (***HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

Notes

*Two wire braid

Twin line hose available

Preformed assemblies

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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
R604	1/4	6	.53	13	3000	20.7	2.00	51	28	.11	.16	HY***
R606	3/8	10	.69	18	3000	20.7	2.50	64	28	.20	.30	58/HY***
R608	1/2	13	.84	21	3000	20.7	3.50	89	28	.27	.40	58/HY***
R610*	5/8	16	1.09	28	3000	20.7	4.00	102	28	.51	.76	HY***
R612*	3/4	19	1.24	31	3000	20.7	4.75	121	28	.71	1.06	HY***
R616*	1	25	1.55	39	3000	20.7	6.00	152	28	1.00	1.49	43**

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 length at Max. Working Pressure: +2% to -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-107 (***HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

Notes

*Two wire braid

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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
HTB04	1/4	6	.62	16	7,000	48.3	4.00	102	28	.27	.40	HY**
HTB06	3/8	10	.76	19	5,500	37.9	6.00	152	28	.37	.55	43***
HTB08	1/2	13	.90	23	5,000	34.5	7.00	178	28	.46	.68	43***
HTB10	5/8	16	1.03	26	4,000	27.6	8.00	203	28	.52	.77	43***
HTB12	3/4	20	1.20	30	4,000	27.6	9.50	241	28	.73	1.09	43***
HTB16	1	25	1.50	38	3,500	24.1	12.00	305	28	1.01	1.50	43***

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-107 (**HY Fittings available from Parker Hose Products Division)

Crimp information can be found online, for most Parker products, at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

Notes

HTB04 cover must be skived prior to fitting attachment

HTBR – Eliminator® Hybrid Hose



Features

- 3500 psi to 7000 psi working pressures
- Wide range of fluid compatibility
- Compact O.D.
- Low force to flex
- UV & Ozone resistant cover
- Low length change under pressure

Certifications

- MSHA Accepted

Applications/Markets



- General Hydraulic Applications
- Lubricating Oils
- Construction Equipment
- Agriculture Equipment

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./m.	
HTBR4	1/4	6	.57	14	7,000	48.2	4	102	0.25	0.37	43
HTBR6	3/8	10	.72	18	5,500	37.9	6	152	0.33	0.50	43
HTBR8	1/2	13	.85	21	5,000	34.4	7	178	0.43	0.63	43
HTBR10	5/8	16	1.01	26	4,000	27.5	8	203	0.52	0.77	43
HTBR12	3/4	19	1.16	29	4,000	27.5	9-1/2	241	0.71	1.06	43
HTBR16	1	25	1.43	36	3,500	24.1	12	305	0.91	1.35	43

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)

Petroleum base hydraulic fluids and lubricating oils within a temperature range -40°F to +212°F (-40°C to +100°C)

Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids up to +185°F (+85°C)

Water/glycol hydraulic fluids up to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

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

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

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

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



A-31

Hose
A

Tubing
B

Coiled Air Hose
& Fittings
C

Transportation
D

Fittings
E

Tooling, Equipment
& Accessories
F

General Technical
G

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/Exceeds SAE 100R12
- MSHA Accepted

Applications/Markets



- Medium pressure hydraulic applications
- Agricultural Equipment
- Construction Equipment
- Lubricating Oils
- Transportation

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
M806	3/8	10	.76	19	4,000	27.6	2.50	64	28	.37	.55	43*
M808	1/2	13	.90	23	4,000	27.6	3.50	89	28	.46	.68	43*
M810	5/8	16	1.07	27	4,000	27.6	4.00	102	28	.63	.94	43*

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 length at Max. Working Pressure: +2% to -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)

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight	
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.
HJK04	1/4	6	.62	16	10,000	69	4.0	102	28	.27	.40

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 length at Max. Working Pressure: ±2%

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

Fittings

HY Series – pg. E-107 (HY Fittings available from Parker Hose Products Division)

Connection configurations limited to:
-Male Pipe (01)

Colors

- Black

Notes

Factory-made assemblies only

560/560R – 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/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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
560-3	3/16	5	.44	11	3,500	24.1	0.75	19	28	.07	.11	55/56
560-4	1/4	6	.51	13	3,250	22.4	1.75	44	28	.10	.15	55/56
560-5	5/16	8	.58	15	3,000	20.7	2.00	51	28	.12	.19	55
560-6	3/8	10	.65	17	2,750	19.0	2.25	57	28	.15	.22	55/56
560-8	1/2	13	.81	21	2,500	17.2	3.25	83	28	.20	.30	55
560R-8	1/2	13	.75	19	2,500	17.2	3.00	76	28	.19	.29	55/56
560-10	5/8	16	.94	24	2,000	13.8	6.00	152	28	.30	.44	55/56
560-12	3/4	19	1.13	29	1,750	12.1	7.00	178	28	.41	.61	58

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 length at Max. Working Pressure: $\pm 2\%$

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

Fittings

55 Series – pg. E-12

56 Series – pg. E-36

58 Series – pg. E-12

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

Notes

Non-perforated cover

563 – General Hydraulic Hose



Features

- Polyurethane cover for best abrasion resistance

Certifications

- Meets/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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
563-4	1/4	6	.49	12	3,000	20.7	2.00	51	28	.12	.18	55/HY*
563-6	3/8	10	.65	17	3,000	20.7	2.50	64	28	.19	.28	55/HY*
563-8	1/2	13	.78	20	3,000	20.7	3.50	89	28	.29	.42	55/HY*

Construction

Tube: Copolyester

Reinforcement: High tensile steel wire braid

Cover: Polyurethane

Operating Parameters

Temperature Range:

-40°F to +250°F [212°F for size -8]
(-40°C to +121°C) [100°C for size -8]

(Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)

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

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

Fittings

55 Series – pg. E-12

HY Series – pg. E-107 (*HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

Notes

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/Exceeds SAE 100R2 / 100R16
- MSHA Accepted
- *ABS Approved - 590-4, 590-6, and 590-8

Applications/Markets



- Construction Equipment
- Machine Tools
- Hydrostatic Transmission
- Refuse Vehicles
- Agriculture Equipment

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
590-3	3/16	5	.44	11	5,000	34.5	1.50	38	28	.10	.15	55
590-4*	1/4	6	.53	13	5,000	34.5	1.75	44	28	.14	.21	55
590-6*	3/8	10	.65	17	4,000	27.6	2.25	57	28	.20	.30	55/56
590-8*	1/2	13	.78	20	3,500	24.1	3.25	82	28	.26	.38	55/56
590-10	5/8	16	.98	25	3,000	20.7	6.00	152	28	.39	.57	56/58
590-12	3/4	19	1.11	28	2,500	17.2	7.00	178	28	.45	.67	58
590-16	1	25	1.43	36	2,000	13.8	8.00	203	28	.59	.88	58

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 +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)

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

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

Fittings

55 Series – pg. E-12

56 Series – pg. E-36

58 Series – pg. E-12

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

Notes

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/Exceeds SAE 100R2 Pressure Requirements
- MSHA Accepted
- ABS Approved

Applications/Markets



- General Hydraulic Service

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
593-12	3/4	20	1.10	28	3000	20.7	7.00	178	28	.47	.70	LV
593-16	1	25	1.45	37	3250	22.4	8.00	203	28	.69	1.02	LV

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 length at Max. Working Pressure: ±2%

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

Fittings

LV Series – pg. E-124

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

Notes

Non-perforated cover

510A – Refrigerant Hose



Features

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

Certifications

- Meets/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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series	Field Attachable Series
#													
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.		
510A-2	1/8	3	.34	9	2,500	17.2	0.50	13	28	.03	.05	57	–
510A-3	3/16	5	.43	11	3,000	20.7	2.00	51	28	.05	.07	55/56	51
510A-4	1/4	6	.47	12	2,750	19.0	2.50	64	28	.05	.08	55/56	51
510A-5	5/16	8	.57	14	2,500	17.2	3.00	76	28	.08	.12	55/56	51
510A-6	3/8	10	.64	16	2,250	15.5	4.00	102	28	.08	.13	55/56	51
510A-8	1/2	13	.81	21	2,000	13.8	5.50	140	28	.13	.20	55/56	51
510A-12	3/4	19	1.10	28	1,250	8.6	7.50	191	28	.19	.29	–	51
510A-16	1	25	1.40	36	1,000	6.9	10.00	254	28	.28	.41	–	51

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 length at Max. Working Pressure: ±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
 56 Series – pg. E-36 57 Series – pg. E-58

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

Notes

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/Exceeds SAE 100R7 except -2
- MSHA Accepted except -4

Applications/Markets



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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series	Field Attachable Series
#													
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.		
510C-2	1/8	3	.34	9	2,500	17.2	0.50	13	28	.03	.05	57	–
510C-3*	3/16	5	.43	11	3,250	22.4	0.75	19	28	.05	.07	55/56	51
510C-4*	1/4	6	.47	12	3,000	20.7	1.50	38	28	.05	.08	55/56	51
510C-5	5/16	8	.57	14	2,500	17.2	1.75	44	28	.08	.11	55/56	51
510C-6	3/8	10	.64	16	2,250	15.5	2.00	51	28	.10	.14	55/56	51
510C-8	1/2	13	.81	21	2,250	15.5	3.00	76	28	.15	.22	55/56	51
510C-12	3/4	19	1.09	28	1,250	8.6	5.00	127	28	.21	.31	55/56	51
510C-16	1	25	1.32	34	1,000	6.9	8.00	203	28	.27	.40	55/56	51

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 length at Max. Working Pressure: ±2%

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

Fittings

51 Series – pg. E-5

55 Series – pg. E-12

56 Series – pg. E-36

57 Series – pg. E-58

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

Notes

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

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

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



A-39

Hose
A

Tubing
B

Coiled Air Hose
& Fittings
C

Transportation
D

Fittings
E

Tooling, Equipment
& Accessories
F

General Technical
G

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/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

Part Number	Nominal I.D.		Maximum O.D.		ANSI A92.2 Max. Working Pressure		SAE 100R7 Max. Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series	Field Attachable Series
#															
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.		
518C-2	1/8	3	.34	9	3,150	21.7	2,500	17.2	0.50	13	28	.03	.05	57	—
518C-3*	3/16	5	.43	11	3,250	22.4	3,250	20.7	0.75	19	28	.05	.07	55/56	51
518C-4*	1/4	6	.47	12	3,150	21.7	3,000	19.0	1.50	38	28	.05	.08	55/56	51
518C-5	5/16	8	.57	14	3,150	21.7	2,500	17.2	1.75	44	28	.08	.11	55/56	51
518C-6	3/8	10	.64	16	3,000	20.7	2,250	15.5	2.00	51	28	.10	.14	55/56	51
518C-8	1/2	13	.81	21	3,000	20.7	2,250	15.5	3.00	76	28	.15	.22	55/56	51
518C-12	3/4	19	1.09	28	1,660	11.5	1,250	8.6	5.00	127	28	.21	.31	55/56	51
518C-16	1	25	1.32	34	1,330	9.2	1,000	6.9	8.00	203	28	.27	.40	55/56	51

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 length at Max. Working Pressure: ±2%

Min. Burst Pressure:

4:1 Design Factor is required if hose failure will result in movement of aerial device

3:1 Design Factor is acceptable if hose failure will not result in movement of aerial device

SAE requires 4:1 Design Factor

Colors

- Orange

Fittings

51 Series – pg. E-5 55 Series – pg. E-12

56 Series – pg. E-36 57 Series – pg. E-58

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Notes

Non-perforated cover

Lay lines on this hose will have both ANSI and SAE maximum working pressure listed. ANSI A92.2 “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



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

518D – Non-Conductive Hose



Features

- Nylon core for maximum resistance to permeable fluids.
- Heavier cover for super high abrasion resistance. (518D-4)
- Heavier cover makes splitting bonded hose easier. (518D-4)
- Super high density braid allows smaller braid O.D. (518D-4)
- Twin or multi-line constructions available.

Applications/Markets



- Medium pressure hydraulic service
- Aerial Lift

Certifications

- Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per ft.
- Meets/Exceeds SAE 100R7 specifications
- ANSI A92.2

Part Number	Nominal I.D.		Maximum O.D.		ANSI A92.2 Max. Working Pressure 73°F/ 23°C		SAE 100R7 Max. Working Pressure 73°F/ 23°C		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
518D-2	1/8	3	.34	9	3,150	21.7	3,000	20.7	0.50	13	28	.03	.05	57
518D-3	3/16	5	.43	11	3,250	22.4	3,250	22.4	0.75	19	28	.05	.07	55/56
518D-4	1/4	6	.47	12	3,150	21.7	3,000	20.7	1.50	38	28	.06	.09	55/56
518D-5	5/16	8	.57	14	3,150	21.7	2,500	17.2	1.75	44	28	.08	.11	55/56
518D-6	3/8	10	.64	16	3,000	20.7	2,250	15.5	2.00	51	28	.10	.14	55/56
518D-8	1/2	13	.81	21	3,000	20.7	2,250	15.5	3.00	76	28	.15	.22	55/56
518D-12	3/4	19	1.09	28	1,660	11.5	1,250	8.6	5.00	127	28	.21	.31	55

Construction

Tube: Nylon

Reinforcement: High Strength Synthetic Fiber

Cover: Proprietary Blend (PFX)

Operating Parameters

Temperature Range:

-40°F to +212°F (-40°C to +100°C)

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

Min. Burst Pressure:

4:1 Design Factor is required if hose failure will result in movement of aerial device

3:1 Design Factor is acceptable if hose failure will not result in movement of aerial device

SAE requires 4:1 Design Factor

Colors

● Orange

Fittings

55 Series – pg. E-12 56 Series – pg. E-36

57 Series – pg. E-58 58 Series – pg. E-12

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Notes

Non-perforated cover

Lay lines on this hose will have both ANSI and SAE maximum working pressure listed. ANSI A92.2 "Vehicle Mounted Elevating and Rotating Aerial Devices"

515H – Compact/Light Weight Hose



Features

- Twin or multi-line available
- Compact OD, light weight, 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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
515H-3*	3/16	5	.34	9	2,175	15.0	0.75	19	28	.03	.04	54
515H-4	1/4	6	.41	10	2,000	13.8	1.50	38	28	.04	.05	54
515H-5*	5/16	8	.49	12	1,750	12.0	1.75	44	28	.05	.07	54
515H-6	3/8	10	.56	14	1,500	10.3	2.00	51	28	.05	.08	54
515H-8*	1/2	13	.71	18	1,500	10.3	3.00	76	28	.11	.16	54

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 length at Max. Working Pressure: ±2%

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

Fittings

54 Series – pg. E-8

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

Notes

*Factory-made assemblies only -3, -5 and -8

Approved with rapid assembly fitting system
Perforated cover

520N/528N – General Hydraulic Hose



Features

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

Certifications

- Meets/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

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#												
Natural	Non-Conductive	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
520N-3	528N-3	3/16	5	.43	11	5,000	34.5	1.50	38	28	.05	.07	55/56
520N-4	528N-4	1/4	6	.51	13	5,000	34.5	2.00	51	28	.07	.10	55/56
520N-5	528N-5	5/16	8	.57	14	4,500	31.0	2.50	64	28	.08	.12	55/56
520N-6	528N-6	3/8	10	.65	17	4,000	27.6	2.50	64	28	.08	.13	55/56
520N-8	528N-8	1/2	13	.81	21	3,500	24.1	4.00	102	28	.14	.20	55/56
520N-10	528N-10	5/8	16	.92	23	2,750	19.0	6.00	152	28	.17	.25	55

Construction

Tube: Nylon

Reinforcement: Aramid fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

-40°F to +212°F (-40°C to +100°C)

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

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

Fittings

55 Series – pg. E-12

56 Series – pg. E-36

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

● Black

● 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 G7.1-1 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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
526BA-3	3/16	5	.42	11	6,000	41.4	1.50	38	28	.05	.07	55
526BA-4	1/4	6	.50	13	6,000	41.4	2.00	51	28	.07	.10	55
526BA-6	3/8	10	.64	16	6,000	41.4	3.00	76	28	.09	.13	55

Construction

Tube: Nylon

Reinforcement: Aramid fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

-40°F to +180°F (-40°C to +82°C)

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

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

Fittings

55 Series – pg. E-12

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- 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



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

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

527BA – Breathing Air Refill Hose



Features

- 7000 psi constant pressure

Certifications (Complies with:)

- CGA G7.1-1 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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
527BA-3	3/16	5	.43	11	7,000	48.3	1.50	38	28	.05	.07	55
527BA-4	1/4	6	.52	13	7,000	48.3	2.00	51	28	.07	.11	55

Construction

Tube: Nylon

Reinforcement: Aramid fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

-40°F to +180°F (-40°C to +82°C)

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

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 most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

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 cover 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/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 climates

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#												
Natural	Non-Conductive	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
53DM-3	538DM-3	3/16	5	.43	11	3,000	20.7	1.00	25	28	.06	.08	55/56
53DM-4	538DM-4	1/4	6	.49	12	3,000	20.7	1.25	32	28	.07	.10	55/56
53DM-5	538DM-5	5/16	8	.60	15	3,000	20.7	2.00	51	28	.10	.15	58/HY*
53DM-6	538DM-6	3/8	10	.66	17	3,000	20.7	2.00	51	28	.11	.16	55/56
53DM-8	538DM-8	1/2	13	.84	21	3,000	20.7	3.50	89	28	.17	.26	55/56
53DM-10	538DM-10	5/8	16	1.03	26	3,000	20.7	4.00	102	28	.22	.33	58
53DM-12	-	3/4	19	1.13	29	3,000	20.7	6.50	165	28	.26	.39	58H

Construction

Tube: Copolyester
Reinforcement: Fiber
Cover: Copolyester

HY Series – pg. E-107 (*HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

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 length at Max. Working Pressure: ±2%

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

Colors

● Black

● Orange (Non-Conductive)

Notes

Do not use in over-the-sheave applications

Perforated cover - 53DM

Non-perforated cover - 538DM

Fittings

55 Series – pg. E-12 56 Series – pg. E-36

58 Series – pg. E-12 58H Series – pg. E-61



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

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

540N – General Hydraulic Hose



Features

- Matte cover 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/Exceeds SAE 100R7
- MSHA Accepted

Applications/Markets



- Hydraulic and pneumatic systems
- Agricultural Spraying
- Polyurethane Foam Mixers
- Fire-resistant Fluid
- Hot Water

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
540N-2	1/8	3	.34	9	3,000	20.7	0.50	13	28	.03	.05	57
540N-3	3/16	5	.44	11	3,000	20.7	0.75	19	28	.04	.06	55/56
540N-4	1/4	6	.50	13	2,750	19.0	1.50	38	28	.07	.10	55/56
540N-5	5/16	8	.58	15	2,500	17.2	1.75	44	28	.07	.10	55/56
540N-6	3/8	10	.65	17	2,250	15.5	2.00	51	28	.09	.13	55/56
540N-8	1/2	13	.81	21	2,000	13.8	3.00	76	28	.13	.19	55/56
540N-12	3/4	19	1.05	27	1,250	8.6	6.00	152	28	.17	.25	55/56

Construction

Tube: Nylon
Reinforcement: Fiber
Cover: Polyurethane

Operating Parameters

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

Fittings

55 Series – pg. E-12 56 Series – pg. E-36
57 Series – pg. E-58

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource
Access instructions are on pg. G-13

Colors

- Black

Notes

Perforated cover

540P – Specialty Water Hose



Features

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

Certifications

- Meets/Exceeds SAE 100R7
- Core tube compliant with FDA Title 21

Applications/Markets



- Potable water delivery to remote sites
- Distilled and de-ionized water

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
540P-4	1/4	6	.50	13	2,750	19.0	1.25	32	28	.05	.08	55/56
540P-6	3/8	10	.65	17	2,250	15.5	2.00	51	28	.09	.13	55/56
540P-8	1/2	13	.81	21	2,000	13.8	3.00	76	28	.13	.19	55/56
540P-12	3/4	19	1.05	27	1,250	8.6	5.00	127	28	.19	.28	55/56

Construction

Tube: Polyethylene
Reinforcement: Fiber
Cover: Polyurethane

Operating Parameters

Temperature Range:

-40°F to +150°F (-40°C to +66°C)

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

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

Fittings

55 Series – pg. E-12

56 Series – pg. E-36

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

● Aqua

Notes

Perforated cover

55LT – Low Temperature Hose



Features

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

Certifications

- Meets/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 I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
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	55/56
55LT-4	1/4	6	.51	13	3,000	20.7	1.25	32	28	.07	.10	55/56
55LT-5	5/16	8	.57	14	2,500	17.2	1.75	44	28	.09	.13	55/56
55LT-6	3/8	10	.66	17	2,250	15.5	2.00	51	28	.10	.14	55/56
55LT-8	1/2	13	.81	21	2,500	17.2	3.00	76	28	.14	.21	55/56
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 length at Max. Working Pressure: ±2%

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

Fittings

55 Series – pg. E-12 56 Series – pg. E-36

57 Series – pg. E-58

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

Notes

Perforated cover

56DH/568DH – Diagnostic Hose



Features

- Twin or multi-line available
- Compact O.D.
- Light weight
- Flexible

Certifications

- MSHA Accepted for -2 only

Applications/Markets



- Hydraulic and pneumatic systems where a small O.D. hose is necessary
- Diagnostic hydraulic lines

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#	#											
Natural	Non-Conductive	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
56DH-1.5	568DH-1.5	.09	2	.20	5	6,000	41.4	0.25	6	.02	.01	SF
56DH-2	568DH-2	.14	4	.32	8	6,000	41.4	0.50	13	.03	.05	CY

Construction

Tube: Nylon

Reinforcement: Aramid fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

-40°F to +200°F (-40°C to +93°C)

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

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

Fittings

CY Series – pg. E-101

SF Series – pg. E-105

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

● Black

● Orange (Non-Conductive)

Notes

Perforated cover - 56DH

Non-perforated cover - 568DH

569 High Pressure Hydraulic Hose



Features

- 10,000 psi working pressure
- Lightweight aramid fiber construction
- (20-45% lighter than comparable hoses)
- Bonded construction available
- Compact O.D. for improved routing and handling
- Excellent kink resistance

Certifications

- IJ-100 Requirements

Applications/Markets



- Hydraulic tools
- High pressure hydraulics
- High pressure pumps
- Jacking systems
- Emerging markets (Oil & Gas)

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight	
#									lbs	kg
	inch	mm	inch	mm	psi@73°F	MPa@23°F	inch	mm	lbs./ft.	kg./m.
569-4	1/4	6	.54	14	10,000	69.0	2	51	.08	.122

Construction

Tube: Nylon

Reinforcement: Aramid fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

-40°F to +176°F (-40°C to +80°C)

Vacuum Rating: 28 inch Hg

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

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

Fittings

58 Series – pg. E-12

Connection configurations limited to:

- Male Taper Pipe Rigid Straight (10158-4-4, 10158-6-4)
- Metric Swivel Female DIN 20078 Light Series Straight (1C358-8-4)

Fittings (cont.)

- Seal-Lok (O-ring Face Seal) Female Swivel Straight (1JS58-4-4)
- Seal-Lok (O-ring Face Seal) Female Swivel Short Straight (1JC58-4-4)
- Male Straight Thread with O-ring (O-ring Boss) Straight (10558-4-4)

Colors

- Blue

Notes

Not to be used for pneumatic or gaseous service

Not to be used with chlorinated solvents

Factory built assembly only or assembled by Parker certified assembler

Assemblies require bend restrictors (HG569-4) to reduce the risk of exceeding the minimum hose bending radius at the fitting

Warning tag (569-4-TAG) required for all assemblies

Non-perforated cover

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



Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
573X-3	3/16	5	.34	9	3,000	20.7	2.00	51	28	.03	.04	LV
573X-16	1	25	1.46	37	3,000	20.7	10.00	254	28	.41	.60	LV

Construction

Tube: Nylon

Reinforcement: Aramid fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

-40°F to +200°F (-40°C to +93°C)

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

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

Fittings

LV Series – pg. E-124

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource.

Access instructions are on pg. G-13

Colors

- Black

Notes

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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
575X-3	3/16	5	.43	11	5,000	34.5	1.50	38	28	.05	.07	55
575X-4	1/4	6	.51	13	5,000	34.5	2.00	51	28	.07	.10	55
575X-6	3/8	10	.64	16	5,000	34.5	3.00	76	28	.09	.13	55
575X-8	1/2	13	.81	21	5,000	34.5	4.00	102	28	.14	.21	55
575X-12	3/4	19	1.15	29	5,000	34.5	8.00	203	28	.24	.36	58H
575X-16	1	25	1.59	40	5,000	34.5	10.00	254	28	.36	.54	58H

Construction

Tube: Nylon

Reinforcement: Fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

-40°F to +212°F (-40°C to +100°C)

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

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

Fittings

55 Series – pg. E-12

58H Series – pg. E-61

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

Notes

Non-perforated cover

580N/H580N/588N – High Pressure Hose



Features

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

Certifications

- Meets/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

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#												
Natural	Non-Conductive	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
580N-4	588N-4	1/4	6	.62	16	5,000	34.5	2.00	51	28	.11	.16	58
580N-6	588N-6	3/8	10	.77	20	4,000	27.6	2.50	64	28	.15	.22	58
580N-8	588N-8	1/2	13	.89	23	3,500	24.1	4.00	102	28	.21	.31	56/58
580N-10	588N-10	5/8	16	.98	25	2,750	19.0	6.00	152	28	.21	.31	56/58
580N-12	588N-12	3/4	19	1.15	29	2,250	15.5	8.00	203	28	.23	.35	56/58
580N-16	588N-16	1	25	1.47	37	2,000	13.8	10.00	254	28	.38	.56	56/58
H580N-16*	-	1	25	1.58	40	3,000	20.7	10.00	254	28	.53	.79	58H

Construction

Tube: Nylon
Reinforcement: Fiber
Cover: Polyurethane

Operating Parameters

Temperature Range:

-40°F to +212°F (-40°C to +100°C)

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

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

Fittings

58 Series – pg. E-12 56 Series – pg. E-36

58H Series – pg. E-61

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

● Black

● 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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series	PushLok Fitting*
#													
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.		
83FR-4*	1/4	6	.48	12	300	2.1	1.00	25	28	.05	.07	55/56	82**
83FR-6	3/8	10	.60	15	300	2.1	2.00	51	28	.08	.11	55/56	82**
83FR-8	1/2	13	.76	19	300	2.1	2.50	64	28	.12	.17	55/56	82**
83FR-12	3/4	19	1.04	26	300	2.1	3.50	89	28	.19	.28	55/56	82**

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 length at Max. Working Pressure: ±2%

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

Fittings

55 Series – pg. E-12 56 Series – pg. E-36

82 Series – (**82 Series Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black (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

For -4 hose with 56 series fitting, use die P04J

Non-perforated cover

1035A – Power Cleaning



Features

- Non-marring
- Extremely flexible

Applications/Markets



- Pressure Washers (low pressure)
- Carpet Cleaning

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
1035A-4	1/4	6	.51	13	1,500	10.3	.63	16	28	.08	.13	55
1035A-6	3/8	10	.62	16	1,200	8.3	.88	22	28	.10	.15	55

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 length at Max. Working Pressure: ±2%

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

Fittings

55 Series – pg. E-12

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- 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 pg. F-18

1035HT – High Temperature Power Cleaning



Features

- Non-marring
- Broad temperature range

Applications/Markets



- Pressure Washers (low pressure)
- Carpet Cleaning

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
1035HT-3	3/16	5	.43	11	2,000	13.8	0.75	19	28	.04	.06	55
1035HT-4	1/4	6	.50	13	1,750	12.1	1.50	38	28	.06	.08	55/56
1035HT-6	3/8	10	.65	17	1,500	10.3	2.00	51	28	.09	.13	55/56

Construction

Tube: Nylon

Reinforcement: Fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

-40°F to +230°F (-40°C to +110°C)

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

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

Fittings

55 Series – pg. E-12 56 Series – pg. E-36

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

● 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-18

B9 - General Purpose Transfer Hose

Features

- Excellent flexibility



Applications/Markets



- Low pressure transmission of air, oil, water, and coolants



Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Vac. Rating Hg./73°F	Permanent Fitting Series	Field Attachable Series
#													
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	inch		
B903	3/16	5	.39	10	250	1.7	1.00	25	.04	.06	28	55/56	—
B904	1/4	6	.46	12	250	1.7	1.50	38	.05	.07	28	55/56	82*
B905	5/16	8	.55	14	250	1.7	2.00	51	.08	.12	28	55/56	—
B906	3/8	10	.64	16	250	1.7	3.00	76	.09	.13	28	55/56	82*
B908	1/2	13	.78	20	250	1.7	3.00	76	.13	.19	28	55/56	82*
B910	5/8	16	.93	24	250	1.7	4.00	102	.20	.30	28	55/56/HY***	82*

Construction

Tube: Specially formulated polyurethane

Reinforcement: Fiber

Cover: Specially formulated polyurethane

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Red
- 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

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 length at Max. Working Pressure: ±2%

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

Fittings

55 Series - pg. E-12 56 Series - pg. E-36

82 Series - (*82 Series Fittings available from Parker Hose Products Division)

HY Series - pg. E-107 (**HY Fittings available from Parker Hose Products Division)



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

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

CNG – Electrically Conductive Compressed Natural Gas Hose



Features

- Twin constructions available

Certifications

Conforms to:

- NFPA 52
- ANSI/IAS NGV 4.2
- ECE R110 - Sizes -3 and -8 only for assemblies purchased through Parker Polyflex (Europe)
- CSA12.52

Applications/Markets



- CNG Dispenser/Refueling
- Fleet Transit/On-Vehicle
- CNG Fuel Transfer
- At-Home CNG Refueling

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight	
#										
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.
5CNG-3	3/16	5	.43	11	5,000	34.5	1.50	38	.05	.07
5CNG-4	1/4	6	.55	14	5,000	34.5	2.00	51	.08	.11
5CNG-6	3/8	10	.65	16	5,000	34.5	3.00	76	.09	.13
5CNG-8	1/2	13	.90	23	5,000	34.5	4.00	102	.21	.31
5CNG-12	3/4	19	1.15	29	5,000	34.5	7.50	191	.24	.36
5CNG-16	1	25	1.59	40	5,000	34.5	10.00	254	.36	.53

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-61

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Red

Notes

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

Accessories

PSG - Wire spring guard

CNGG - Vinyl hose guard

Consult Parflex CAT. 4660 for CNG guard selection

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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series	Field Attachable Series
#													
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.		
HLB02*	1/8	3.2	.32	8	3,000	20.7	.50	13	28	.03	.04	CY	BU
HLB03**	3/16	4.8	.41	10	3,000	20.7	.75	19	28	.06	.08	CY	BU

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 length at Max. Working Pressure: ±3%

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

Fittings

BU Series – pg. E-100

CY Series – pg. E-101

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

Notes

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-18

*HLB-2 - Guard P.N. CY02-652317

**HLB-3 - Guard P.N. 3PSG-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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series	Field Attachable Series
#													
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.		
MSH-5	5/16	8	.48	12	1,000	6.9	2.25	57	28	.05	.07	MS	MS
MSH-6	3/8	10	.59	15	1,000	6.9	3.00	76	28	.07	.11	MS	MS

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 length at Max. Working Pressure: ±2%

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

Fittings

MS Series – pg. E-125

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

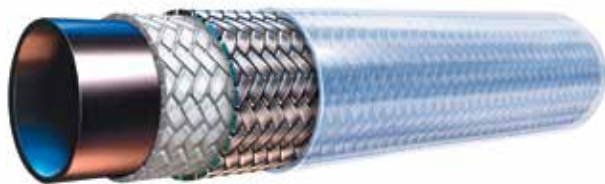
Notes

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-18

PTH – Marine Power Tilt Hose



Features

- Compact design
- Abrasion resistant polyurethane cover
- Excellent flexibility
- Corrosion resistant

Applications/Markets



- Power tilt mechanisms for outboard and stern drive engines
- Trim Tab assemblies
- Jack Plate assemblies

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Vac. Rating Hg./73°F	Minimum Bend Radius			Weight		Permanent Fitting Series
#													
	inch	mm	inch	mm	psi	MPa	inch	inch	mm		lbs./ft.	kg./mtr.	
PTH-3	3/16	5	.43	11	3,000	20.7	28	0.75	19		.08	.11	92

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 length at Max. Working Pressure: ±2%

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

Fittings

92 Series - pg. E-85

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

○ Clear

Notes

Non-perforated cover

Also available as custom order with black cover

S5N – Predator® Hose (Water Jetting/Lateral Cleaning)



Features

- Easily identified lime green cover signifies 4000 psi constant pressure
- Slim profile and light weight provide easy handling and routing

Certifications

- NSWMA (National Solid Waste Management Assoc.)
- WASTEC (Waste Equipment Technology Assoc.)
- WEMI (Waste Equipment Management Inst.)
- 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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
S508N	1/2	13	.81	21	4000	28	4.00	102	.16	.24	55/56

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)

Fittings

55 Series – pg. E-12

56 Series – pg. E-36

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

● Green

Notes

Factory-made assemblies only

Not for use in hydraulic applications

Perforated cover

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 Assoc.)
- WASTEC (Waste Equipment Technology Assoc.)
- WEMI (Waste Equipment Management Inst.)
- 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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
S612	3/4	19	1.14	29	2,500	17.2	4.00	102	.29	.43	58/SQ/HY*
S616	1	25	1.41	36	2,500	17.2	6.00	152	.38	.57	58/SQ/HY*

Construction

Tube: Gray Copolyester, S624 – Gray Nylon

Reinforcement: Fiber

Cover: Polyurethane

Colors

● Orange

Notes

Factory-made assemblies only

All standard assembly lengths coupled with rigid male pipe each end

Not for use in hydraulic applications

Perforated cover - S612, S616

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-127

HY Series – pg. E-107 (*HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13



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

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

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 Assoc.)
- WASTEC (Waste Equipment Technology Assoc.)
- WEMI (Waste Equipment Management Inst.)
- 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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg./mtr.	
S912	3/4	19	1.15	29	3,000	20.7	4.00	102	.30	.45	58/SQ/HY*
S916	1	25	1.47	37	3,000	20.7	8.00	203	.46	.68	58/SQ/HY*

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-127

HY Series – pg. E-107 (*HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Blue

Notes

Factory-made assemblies only

All standard assembly lengths coupled with rigid male pipe each end

Not for use in hydraulic applications

Perforated cover

SLH – Sewer Leader Hose



Features

- Easily identified black cover indicates termination of hose

Certifications

- NSWMA (National Solid Waste Management Assoc.)
- WASTEC (Waste Equipment Technology Assoc.)
- WEMI (Waste Equipment Management Inst.)

Applications/Markets



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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
SLH-8	1/2	13	0.77	20	4,000	27.6	3.50	89	28	.25	.37	58/HY*
SLH-10	5/8	16	0.95	24	4,000	27.6	4.00	102	28	.38	.57	HY*
SLH-12	3/4	19	1.08	27	3,000	20.7	4.80	122	28	.45	.67	HY*
SLH-16	1	25	1.43	36	3,000	20.7	6.00	152	28	.80	1.19	HY*

Construction

Tube: Gray Copolyester

Reinforcement: Wire

Cover: Smooth synthetic rubber

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-107 (*HY Fittings available from Parker Hose Products Division)

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Black

Notes

Factory-made assemblies only

Not for use in hydraulic applications

Perforated cover

Duraflex™ Hydraulic Hose Coil



Features

- Bonded twin-line construction
- Self retracting coil design

Certifications

- Meets/Exceeds SAE 100R7
- Meets 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

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
548N-6	3/8	10	.65	17	2,250	15.5	2.00	51	28	.09	.13	55/56

Nomenclature	
HC-548N-06MP-06MP-10	
Configuration	HC twin-line hose coil (blank) twin-line straight hose
Hose Type (see specifications below)	548N Med Pressure - straight or coiled
End Connectors	06MP 3/8" Rigid Male Pipe 06FJ 3/8" Female JIC Swivel
Effective Working Length	6 6 foot length 8 8 foot length 10 10 foot length 12 12 foot length
Notes	1) Part Number example shown is a stocked item. 2) Other combinations from this chart are readily available. 3) For options not shown, please consult Parflex Division.

Construction

Tube: Nylon

Reinforcement: Fiber

Cover: Polyurethane

Operating Parameters

Temperature Range:

-40°F to +212°F (-40°C to +100°C)

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

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

Fittings

55 Series – pg. E-12 56 Series – pg. E-36

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Orange (Non-Conductive)

Notes

Non-perforated cover

919/919B – PTFE Hose



Features

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

Certifications

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

Applications/Markets



- Chemical Transfer Lines
- General Hydraulics
- Compressed Air/Gases
- Adhesive Dispensing
- Coolant Lines
- Medical Gases

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series	Field Attachable Series
#	#													
Natural	Conductive	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.		
919-3	-	1/8	3	.25	6	3,000	20.7	1.50	38	28	.04	.06	91	-
919-4	919B-4	3/16	5	.32	8	3,000	20.7	2.00	51	28	.06	.09	91N	90
919-5	919B-5	1/4	6	.38	10	3,000	20.7	3.00	76	28	.09	.13	91N	90
919-6	919B-6	5/16	8	.44	11	2,500	17.2	4.00	102	28	.10	.15	91N	90
919-8	919B-8	13/32	10	.53	13	2,000	13.8	5.00	127	28	.13	.19	91N	90
919-10	-	1/2	13	.63	16	1,500	10.3	6.50	165	28	.15	.22	91N	90
919-12	-	5/8	16	.75	19	1,200	8.3	7.50	191	12	.19	.28	91N	90
919-16	-	7/8	22	1.03	26	1,000	6.9	9.00	229	14	.27	.40	91N	90
919-20	-	1-1/8	29	1.28	33	625	4.3	16.00	406	10	.39	.58	91	90

Construction

Tube: 919 - Natural FDA Compliant PTFE

919B - Black Static-Dissipative PTFE

Reinforcement: 304 Stainless Steel braid

Operating Parameters

Temperature Range:

-100°F to +450°F (-73°C to +232°C)

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

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

Fittings

90 Series – pg. E-65

91/91N Series – pg. E-72

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Notes

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

919J – Silicone Covered PTFE Hose



Features

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

Certifications

- Meets/Exceeds SAE 100R14A
- FDA CFR 177.1550

Applications/Markets



- Chemical Transfer Lines
- General Hydraulics
- Compressed Air/Gases
- Adhesive Dispensing
- Coolant Lines
- Medical Gases

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#												
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
919J-4-RED	3/16	5	.45	11	3,000	20.7	2.00	51	28	.12	.18	91N
919J-5-RED	1/4	6	.52	13	3,000	20.7	3.00	76	28	.14	.21	91N
919J-6-RED	5/16	8	.58	15	2,500	17.2	4.00	102	28	.17	.25	91N
919J-8-RED	13/32	10	.68	17	2,000	13.8	5.00	127	28	.20	.30	91N
919J-10-RED	1/2	13	.78	20	1,500	10.3	6.50	165	28	.24	.35	91N
919J-12-RED	5/8	16	.91	23	1,200	8.3	7.50	191	12	.29	.43	91N

Construction

Tube: Natural FDA compliant PTFE
 Reinforcement: 304 Stainless Steel braid
 Cover: Extruded silicone

Operating Parameters

Temperature Range:

-40°F to +450°F (-40°C to +232°C)

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

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

Fittings

91N Series - pg. E-72

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Colors

- Red

Notes

Cover must be skived prior to fitting attachment

919U – High Abrasion Resistance PTFE Hose



Features

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

Certifications

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

Applications/Markets



- Chemical Transfer Lines
- General Hydraulics
- Compressed Air/Gases
- Adhesive Dispensing
- Coolant Lines
- Medical Gases

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

Construction

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

Operating Parameters

Temperature Range:
 -40°F to +275°F (-40°C to +135°C)
 Change in length at Max. Working Pressure: +2% to -4%
 Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Fittings

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

Colors

- Black

Notes

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

929/929B – Heavy Wall PTFE Hose



Features

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

Certifications

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

Applications/Markets



- Chemical Transfer Lines
- General Hydraulics
- Compressed Air/Gases
- Adhesive Dispensing
- Coolant Lines
- Medical Gases
- 919 (100R14) hose applications requiring tight routings

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

Construction

Tube: 929 - Natural FDA Compliant PTFE

929B - Black Static-Dissipative PTFE

Reinforcement: 304 Stainless Steel braid

Operating Parameters

Temperature Range:

-100°F to +450°F (-73°C to +232°C)

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

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

Fittings

91N Series – pg. E-72

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Notes

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

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



Features

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

Applications/Markets



- Vacuum lines for high temperature autoclaves
- General Hydraulics
- Compressed Air/Gases

Part Number	Nominal I.D.		Maximum O.D.		Tube Wall		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#														
	inch	mm	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
929BJ-4	3/16	5	.58	15	.040	1.02	3,000	20.7	2.00	51	28	.17	.25	91N
929BJ-6	5/16	8	.70	18	.040	1.02	2,500	17.2	4.00	102	28	.23	.34	91N
929BJ-8	13/32	10	.81	20	.044	1.12	2,000	13.8	4.60	117	28	.29	.43	91N

Construction

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

Operating Parameters

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

Fittings

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

Colors

● Brown

Notes

Cover must be skived prior to fitting attachment

939/939B – Convoluted PTFE Hose



Features

- Excellent flexibility
- Exceptional kink resistance

Certifications

- FDA CFR 177.1550 (Natural tube)

Applications/Markets



- Chemical Transfer
- General Hydraulics
- Hose applications requiring tight routings

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

Construction

Tube: 939 - Natural FDA Compliant PTFE

939B - Black Static-Dissipative PTFE

Reinforcement: 304 Stainless Steel braid

Operating Parameters

Temperature Range:

-100°F to +450°F (-73°C to +232°C)

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

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

Fittings

93N Series – pg. E-87

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Notes

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

Not suggested for steam-cold water cycling applications

* 28 in/Hg can be obtained by using 2799 internal spring guard. See pg. F-20

943B – 3,000 psi W.P. High Temp Hose



Features

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

Certifications

- Meets/Exceeds SAE 100R7 and SAE 100R17

Applications/Markets



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

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

Construction

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

Fittings

94 Series – pg. E-90

Operating Parameters

Temperature Range:
-65°F to +400°F (-54°C to +204°C)
Change in length at Max. Working Pressure: ±2%
Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Notes

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

944B – 4,000-4,500 psi W.P. High Temp Hose



Features

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

Applications/Markets



- General Hydraulics
- Chemical Transfer
- Compressed Air/Gases



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

Construction

Tube: Black static-dissipative PTFE

Reinforcement: 304 Stainless Steel braid

Operating Parameters

Temperature Range:

-65°F to +400°F (-54°C to +204°C)

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

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

Fittings

94 Series – pg. E-90

Notes

Factory-made assemblies only

Not suggested for steam-cold water cycling applications

Reduce pressure to 3,000 psi (20.7MPa) for pressure impulse applications

950B – 4,000 psi W.P. High Temp Hose



Features

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

Applications/Markets



- High temp hydraulic applications
- Chemical Transfer
- Compressed Air/Gases
- Ground Support

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight	
#											
	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.
950B-4	15/64	6	.50	13	4,000	27.6	3.00	76	28	.20	.27
950B-6	5/16	8	.62	16	4,000	27.6	5.00	127	28	.24	.36
950B-8	7/16	11	.75	19	4,000	27.6	5.75	146	28	.45	.68
950B-12	5/8	16	1.08	27	4,000	27.6	7.75	197	28	.96	1.43
950B-16	29/32	23	1.36	34	4,000	27.6	9.63	245	28	1.30	1.93

Construction

Tube: Black static-dissipative PTFE

Reinforcement: Multiple high density braids of 304 Stainless Steel

Fittings

95 Series – pg. E-90

Notes

Factory-made assemblies only

Operating Parameters

Temperature Range:

-65°F to +400°F (-54°C to +204°C)

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

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

955B – 5,500 psi W.P. High Temp Hose



Features

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

Applications/Markets



- General Hydraulics
- Chemical Transfer
- Compressed Air/Gases
- Ground Support

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

Construction

Tube: Black static-dissipative PTFE

Reinforcement: Multiple high density braids of 304 Stainless Steel

Operating Parameters

Temperature Range:

-65°F to +400°F (-54°C to +204°C)

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

Min. Burst Pressure is 16,000 psi at 73°F (23°C)

Fittings

95 Series – pg. E-90

Notes

Factory-made assemblies only

Not suggested for steam-cold water cycling applications

Reduce operating pressure to 4000 psi (27.6 MPa) for impulse service applications

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 (Natural tube)
- SAE J517 (100R14)

Applications/Markets



- Fluid Handling
- Chemical Transfer
- Paint
- Pharmaceutical
- Food & Beverage
- Cosmetics

Part Number		Nominal I.D.		Nominal O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series	Field Attachable Series
#	#													
Natural	Conductive	inch	mm	inch	mm	psi	bar	inch	mm	inch	lbs./ft.	kg./mtr.		
03-S30	03-S30B	1/8	3	.250	6	3,000	207	1-1/2	38	28	.05	.08	91	—
04-S30	04-S30B	3/16	5	.305	8	3,000	207	2	51	28	.06	.09	91N	90
05-S30	05-S30B	1/4	6	.375	10	3,000	207	3	76	28	.11	.16	91N	90
06-S30	06-S30B	5/16	8	.430	11	2,500	172	4	102	28	.13	.20	91N	90
08-S30	08-S30B	13/32	10	.535	14	2,000	138	5	127	28	.15	.22	91N	90
10-S30	10-S30B	1/2	13	.636	16	1,750	121	6-1/2	165	28	.19	.28	91N	90
12-S30	12-S30B	5/8	16	.765	19	1,500	103	7-1/2	191	12	.24	.36	91N	90
16-S30	16-S30B	7/8	22	1.030	26	1,000	69	9	229	14	.31	.47	91N	90

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)

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

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

All ratings based on 72°F/23°C

Fittings

90 Series - pg. E-65

91/91N Series - pg. E-72

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Notes

See pg. A-20 for part numbering system

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 (Natural tube)
- SAE J517 (100R14)

Applications/Markets



- Fluid Handling
- Chemical Transfer
- Paint
- Pharmaceutical
- Food & Beverage
- Cosmetics

Part Number		Nominal I.D.		Nominal O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#												
Natural	Conductive	inch	mm	inch	mm	psi	bar	inch	mm	inch	lbs./ft.	kg./mtr.	
04-S40	04-S40B	3/16	5	.320	8	3,000	207	2	51	28	.08	.13	91N
05-S40	05-S40B	1/4	6	.375	10	3,000	207	3	76	28	.11	.16	91N
06-S40	06-S40B	5/16	8	.435	11	2,500	172	4	102	28	.12	.18	91N
08-S40	08-S40B	13/32	10	.565	14	2,000	138	5	127	28	.16	.23	91N
10-S40	10-S40B	1/2	13	.656	17	1,750	121	6-1/2	165	28	.17	.25	91N
12-S40	12-S40B	5/8	16	.780	20	1,500	103	7-1/2	191	12	.19	.28	91N
16-S40	16-S40B	7/8	22	1.05	27	1,000	69	9	229	14	.49	.73	91N

Construction

Tube: S40 - Natural FDA Compliant PTFE

S40B - Black Static-Dissipative PTFE

Reinforcement: 304 Stainless Steel braid

Operating Parameters

Temperature Range:

-100°F to +450°F (-73°C to +232°C)

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

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

All ratings based on 72°F/23°C

Fittings

91N Series - pg. E-72

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Notes

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
- USP Class VI
- ISO 10993 Sections 5, 6, 10, 11

Applications/Markets



- Fluid Handling
- Chemical Transfer
- Paint
- Pharmaceutical
- Food & Beverage
- Cosmetics

Part Number		Nominal I.D.		Nominal O.D.		Maximum Working Pressure 73°F/ 23°C		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#												
Natural	Conductive	inch	mm	inch	mm	psi	bar	inch	mm	inch	lbs./ft.	kg./mtr.	
04-STW	04-STB	1/4	6	.37	9	3,000	207	3	76	28	.08	.13	PAGE
06-STW	06-STB	3/8	10	.51	13	2,000	138	5	127	28	.11	.16	PAGE
08-STW	08-STB	1/2	13	.63	16	1,750	121	6-1/2	165	28	.16	.24	PAGE
12-STW	12-STB	3/4	19	.88	22	1,000	69	8.5	216	28	.20	.30	PAGE
16-STW	16-STB	1	25	1.13	29	1,000	69	12	305	20	.33	.49	PAGE
16Z-STW	16Z-STB	1	25	1.22	31	1,000	69	12	305	20	.56	.83	PAGE
20Z-STW	20Z-STB	1-1/4	32	1.52	38	1,000	69	14	356	18	.68	1.02	PAGE
24Z-STW	24Z-STB	1-1/2	38	1.73	44	900	62	15	381	15	.79	1.18	PAGE

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)

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

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-91

Uses crimp collar ST300, see pg. E-92

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Notes

"Z" indicates double braid

See pg. A-21 for part numbering system

Cannot be used with 90 or 91N series fittings

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 cover

Compliances

- FDA 21 CFR 177.1550
- USP Class VI Certified
- ISO 10993 Sections 5, 6, 10, 11

Applications/Markets



- Fluid Handling
- Chemical Transfer
- Paint
- Pharmaceutical
- Food & Beverage
- Cosmetics



Part Number		Nominal I.D.		Nominal O.D.		Maximum Working Pressure 73°F/ 23°C		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight	
#	#											
Natural	Conductive	inch	mm	inch	mm	psi	bar	inch	mm	inch	lbs./ft.	kg./mtr.
06-SBFW	06-SBFB	3/8	10	.63	16	300	21	2	51	28	.16	.24
08-SBFW	08-SBFB	1/2	13	.76	19	300	21	2-1/2	64	28	.23	.34
12-SBFW	12-SBFB	3/4	19	1.04	26	250	17	3	76	28	.37	.55
16-SBFW	16-SBFB	1	25	1.29	33	250	17	4	102	28	.54	.80
24-SBFW	24-SBFB	1-1/2	38	1.85	47	200	14	7	178	28	.83	1.23

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-91

Complete line of standard PPIH crimp fittings

Notes

Factory-made assemblies only

SBFB - Special order only

Available with white silicone cover

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
- USP Class VI
- ISO 10993 Sections 5, 6, 10, 11

Applications/Markets



- Fluid Handling
- Chemical Transfer
- Paint
- Semiconductor

Part Number		Nominal I.D.		Nominal O.D.		Maximum Working Pressure 73°F/ 23°C		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#												
Natural	Conductive	inch	mm	inch	mm	psi	bar	inch	mm	inch	lbs./ft.	kg./mtr.	
04-SCW	04-SCB	1/4	6	.46	12	1,500	104	3/4	19	28	.08	.11	PAGE
06-SCW	06-SCB	3/8	10	.54	14	1,500	104	1	25	28	.14	.21	PAGE
08-SCW	08-SCB	1/2	13	.72	18	1,500	104	1-1/2	38	28	.16	.23	PAGE
12-SCW	12-SCB	3/4	19	1.02	26	1,200	83	2	51	28	.27	.40	PAGE
16-SCW	16-SCB	1	25	1.31	33	1,000	69	2-1/2	64	28	.37	.55	PAGE
20-SCW	20-SCB	1-1/4	32	1.73	44	750	52	3	76	28	.46	.68	PAGE
24-SCW	24-SCB	1-1/2	38	1.93	49	650	45	3-3/4	95	28	.55	.81	PAGE
32-SCW	32-SCB	2	51	2.42	62	450	31	4-3/4	121	28	.90	1.4	PAGE

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-91

Uses crimp collar SC300, see pg. E-92

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Notes

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

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
- USP Class VI
- 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		Permanent Fitting Series
#	#												
Natural	Conductive	inch	mm	inch	mm	psi	bar	inch	mm	inch	lbs./ft.	kg./mtr.	
04-PCW	04-PCB	1/4	6	.55	14	350	59	3/4	19	28	.03	.05	PAGE
06-PCW	06-PCB	3/8	10	.64	16	350	59	1	25	28	.06	.09	PAGE
08-PCW	08-PCB	1/2	13	.84	21	300	21	1-1/2	38	28	.15	.22	PAGE
12-PCW	12-PCB	3/4	19	1.15	29	250	17	2	51	28	.18	.27	PAGE
16-PCW	16-PCB	1	25	1.50	38	250	17	2-1/2	64	28	.26	.39	PAGE
20-PCW	20-PCB	1-1/4	32	1.92	49	200	14	3	76	28	.37	.55	PAGE
24-PCW	24-PCB	1-1/2	38	2.12	54	200	14	3-3/4	95	28	.42	.63	PAGE
32-PCW	32-PCB	2	51	2.65	67	200	14	4-3/4	121	28	.56	.83	PAGE

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-91

Uses crimp collar PC300, see pg. E-92

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Notes

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/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

Compliances

- FDA 21 CFR 177.1550
- USP Class VI
- ISO 10993 Sections 5, 6, 10, 11

Applications/Markets



- Fluid Handling
- Chemical Transfer
- Paint
- Semiconductor

Part Number		Nominal I.D.		Nominal O.D.		Maximum Working Pressure 73°F/ 23°C		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight	
#	#											
Natural	Conductive	inch	mm	inch	mm	psi	bar	inch	mm	inch	lbs./ft.	kg./mtr.
08-SCWV	08-SCBV	1/2	13	.75	19	1,500	104	2	51	28	.17	.26
12-SCWV	12-SCBV	3/4	19	1.04	26	1,200	83	2-3/4	70	28	.33	.49
16-SCWV	16-SCBV	1	25	1.25	32	1,000	69	4	102	28	.37	.55
20-SCWV	20-SCBV	1-1/4	32	1.66	42	750	52	5-1/2	140	28	.56	.83
24-SCWV	24-SCBV	1-1/2	38	1.92	49	650	45	7	178	28	.64	.95
32-SCWV	32-SCBV	2	51	2.49	63	450	31	8-1/2	216	28	.84	1.24
40-SCWV	40-SCBV	2-1/2	64	3.25	83	200	14	12	305	28	1.52	2.26
48-SCWV	48-SCBV	3	76	3.80	97	175	12	14	356	28	1.82	2.71
64-SCWV	64-SCBV	4	102	4.76	121	150	10	16	406	28	2.10	3.13

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-91

Notes

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

Vacuum wire recommended for 2-1/2, 3 and 4 inch

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
- USP Class VI
- 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	
#	#											
Natural	Conductive	inch	mm	inch	mm	psi	bar	inch	mm	inch	lbs./ft.	kg./mtr.
08-PCWV	08-PCBV	1/2	13	.81	21	300	21	3	76	28	.14	.20
12-PCWV	12-PCBV	3/4	19	1.30	33	250	17	3-1/2	89	28	.22	.32
16-PCWV	16-PCBV	1	25	1.44	36	250	17	4-1/2	114	28	.32	.47
20-PCWV	20-PCBV	1-1/4	32	1.86	47	200	14	5	127	28	.40	.59
24-PCWV	24-PCBV	1-1/2	38	2.10	53	200	14	6	152	28	.49	.73
32-PCWV	32-PCBV	2	51	2.66	68	200	14	8-1/2	216	28	.66	.99
40-PCWV	40-PCBV	2-1/2	64	3.57	91	150	10	12	305	28	1.21	1.80
48-PCWV	48-PCBV	3	76	3.92	100	125	9	14	356	28	1.45	2.16
64-PCWV	64-PCBV	4	102	4.92	125	100	7	16	406	28	1.68	2.50

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

Fittings

PAGE Fittings – pg. E-91

Notes

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

Vacuum wire recommended for 2-1/2, 3 and 4 inch

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
- USP Class VI
- 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	
#	#											
Natural	Conductive	inch	mm	inch	mm	psi	bar	inch	mm	inch	lbs./ft.	kg./mtr.
08-SCWV-FS	08-SCBV-FS	1/2	13	.75	19	500	35	2	51	28	.17	.26
12-SCWV-FS	12-SCBV-FS	3/4	19	1.04	26	425	29	2-3/4	70	28	.33	.49
16-SCWV-FS	16-SCBV-FS	1	25	1.25	32	350	24	4	102	28	.37	.55
20-SCWV-FS	20-SCBV-FS	1-1/4	32	1.66	42	325	22	5-1/2	140	28	.56	.83
24-SCWV-FS	24-SCBV-FS	1-1/2	38	1.92	49	300	21	7	178	28	.64	.95
32-SCWV-FS	32-SCBV-FS	2	51	2.49	63	250	17	8-1/2	216	28	.84	1.24
40-SCWV-FS	40-SCBV-FS	2-1/2	64	3.25	83	200	14	12	305	28	1.52	2.26
48-SCWV-FS	48-SCBV-FS	3	76	3.80	97	175	12	14	356	28	1.82	2.71
64-SCWV-FS	64-SCBV-FS	4	102	4.76	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-91

Notes

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
- USP Class VI
- 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	
#	#											
Natural	Conductive	inch	mm	inch	mm	psi	bar	inch	mm	inch	lbs./ft.	kg./mtr.
08-PCWV-FS	08-PCBV-FS	1/2	13	.810	21	300	21	3	76	28	.14	.20
12-PCWV-FS	12-PCBV-FS	3/4	19	1.10	28	250	17	3-1/2	89	28	.22	.32
16-PCWV-FS	16-PCBV-FS	1	25	1.44	36	250	17	4-1/2	114	28	.31	.47
20-PCWV-FS	20-PCBV-FS	1-1/4	32	1.86	47	200	14	5	127	28	.40	.59
24-PCWV-FS	24-PCBV-FS	1-1/2	38	2.10	53	200	14	6	152	28	.49	.73
32-PCWV-FS	32-PCBV-FS	2	51	2.66	68	200	14	8-1/2	216	28	.66	.99
40-PCWV-FS	40-PCBV-FS	2-1/2	64	3.42	87	150	10	12	305	28	1.21	1.80
48-PCWV-FS	48-PCBV-FS	3	76	3.92	100	125	9	14	356	28	1.45	2.16
64-PCWV-FS	64-PCBV-FS	4	102	4.92	125	100	7	16	406	28	1.68	2.50

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-91

Notes

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 (FEP core)
- **USP Class VI Certified**
- ISO 10993 Sections 5, 6, 10, 11

Applications/Markets



- Food & Beverage
- Pharmaceutical
- Fluid Handling
- Chemical
- Ground Support
- Industrial
- Paint
- Semiconductor

Part Number		Nominal I.D.		Nominal O.D.		Maximum Working Pressure 73°F/ 23°C		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#												
Natural	Conductive	inch	mm	inch	mm	psi	bar	inch	mm	inch	lbs./ft.	kg./mtr.	
08-RCTW	08-RCTB	1/2	13	.95	24	500	35	2-1/2	64	30	.33	.49	PAGE
12-RCTW	12-RCTB	3/4	19	1.25	32	500	35	3	76	30	.51	.76	PAGE
16-RCTW	16-RCTB	1	25	1.53	39	450	31	4	102	30	.67	1.00	PAGE
20-RCTW	20-RCTB	1-1/4	32	1.74	44	375	26	7	178	30	.72	1.07	PAGE
24-RCTW	24-RCTB	1-1/2	38	2.13	54	375	26	9	229	30	1.10	1.51	PAGE
32-RCTW	32-RCTB	2	51	2.68	68	300	21	10-1/2	267	30	1.54	2.30	PAGE
40-RCTW	40-RCTB	2-1/2	64	3.30	84	200	14	15	381	30	2.07	3.09	PAGE
48-RCTW	48-RCTB	3	76	3.88	99	200	14	18	457	30	2.99	4.46	PAGE
64-RCTWV	64-RCTB	4	102	4.98	127	150	10	22-1/2	572	30	4.33	6.46	PAGE

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-91

Uses crimp collar RC300, see pg. E-92

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource

Access instructions are on pg. G-13

Notes

RCTB - Special order only

See pg. A-21 for part numbering system

Cannot be used with 90 or 91N series fittings