



aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



Parker Industrial Hose OEM Products

Catalog 4810 • March 2015



ENGINEERING YOUR SUCCESS.



This QR tag enables you to see additional product and other content on the web using your mobile phone. You will need a QR reader to get started. Please visit www.mobile-barcode.com/qr-code-software for more information and a list of QR code readers you can install at no cost.



WARNING – USER RESPONSIBILITY

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

- This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.
- The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.
- To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.



Parker Safety Guide for Selecting and Using Hose, Tubing, Fittings and Related Accessories

Parker Publication No. 4400-B.1

Revised: November, 2007

WARNING: Failure or improper selection or improper use of hose, tubing, fittings, assemblies or related accessories (“Products”) can cause death, personal injury and property damage. Possible consequences of failure or improper selection or improper use of these Products include but are not limited to:

- Fittings thrown off at high speed.
- High velocity fluid discharge.
- Explosion or burning of the conveyed fluid.
- Electrocuting from high voltage electric powerlines.
- Contact with suddenly moving or falling objects that are controlled by the conveyed fluid.
- Injections by high-pressure fluid discharge.
- Dangerously whipping hose.
- Contact with conveyed fluids that may be hot, cold, toxic or otherwise injurious.
- Sparking or explosion caused by static electricity buildup or other sources of electricity.
- Sparking or explosion while spraying paint or flammable liquids.
- Injuries resulting from inhalation, ingestion or exposure to fluids.

Before selecting or using any Parker hose, fittings or related accessories, it is important that you read and follow the instructions in this Industrial Hose OEM Products Catalog 4810, and the Parker Safety Guide for Selecting and Using Hose, Fittings and Related Accessories, Parker Publication No. 4400-B.1, November 2007 (refer to the Safety & Technical section of this catalog). Only hose from Parker's Stratoflex Products Division is approved for in-flight aerospace applications.

Offer of Sale

Parker Hannifin Corporation, its subsidiaries or its authorized distributors hereby offer the items described in this document for sale. The provisions in the “Offer of Sale” stated in the back of this catalog govern this offer and its acceptance.

© Copyright 2015 Parker Hannifin Corporation. All Rights Reserved. Trademarks used herein are the property of their respective owners.



Parker Industrial Hose Customer Service
866 810 HOSE (4673) 800 242 HOSE (4673)
Wickliffe, OH South Gate, CA
Eastern USA Western USA
www.safehose.com
www.hosefinder.com
email: indhose@parker.com

Parker Industrial Hose Products, Catalog 4810

Index by Hose Series	Page
100	43
389	23
395	25
397	24
6620	13
6621	16
6623	14
6635	46
6722	18
6723, 6723M	19
6724	20
6750	9
6751	11
6823	21
6824	22
7055	42
7092	29
7093	29,42
7116M	47
7132	37
7181	8
7204	35
7212	31
7216E	33
7219	26
7232	38
7258	40
7392E	39
7395	6
7399	28
7581	45
7705	34
SW387	36
SWC693	48

**Parker Industrial Hose
Customer Service**
866 810 HOSE (4673)
Wickliffe, OH
Eastern USA

800 242 HOSE (4673)
South Gate, CA
Western USA

www.safehose.com
www.hosefinder.com
email: indhose@parker.com

Contents

Series Page(s)

Coolant/Heater Hose, EPDM Rubber

SAE J20R2 D-1 (Performance) E-Z FORM™ GS Coolant/Heater Hose...	7395	6
SAE J20R3EC Class D-2 Coolant/Heater Hose.....	7181	8

Coolant/Heater & Air Hose, Silicone

SAE J20R1 Class A Coolant/Heater Hose, 3-Ply	6750	9
SAE J20R1 Class A Coolant/Heater Hose, 4-Ply	6751	11
SAE J20R1 Class A Coolant/Heater Hose, Standard Wall.....	6620	13
SAE J20R2 Class A Coolant/Heater Hose	6623	14
SAE J20R2 Class A (Performance) Coolant/Heater Hose.....	6621	16
SAE J20R3 Class A Coolant/Heater Hose, Standard Wall.....	6722	18
SAE J20R3 Class A Coolant/Heater Hose, Heavy Wall	6723/6723M	19
SAE J20R3 Class A Coolant/Heater Hose, High Temperature	6724	20
Charge Air Cooler (CAC) Hose – Hot Side	6823	21
Charge Air Cooler (CAC) Hose – Cool Side.....	6824	22

Engine & Fuel Hose

SAE J30R7/J3014T2 SUPER-FLEX® FL-7 Fuel Line Hose	389	23
SAE J30R7/J3014T2 (Performance) SUPER-FLEX® Fuel Line Hose...	397	24
SAE J30R7 Fuel Line Hose	395	25
E-Z FORM™ MP Oil Suction & Return Hose.....	7219	26
E-Z FORM™ HT High Temperature Oil Suction & Return Hose	7399	28

General Service & Multipurpose Hose

GST® II Air & Water Hose.....	7092/7093	29
JIFFY™ Push-On Hose – Oil Resistant	7212	31
TRANSLITE® Petroleum Suction & Discharge Hose.....	7216E	33
GREEN LABEL™ B100 Petroleum Suction & Discharge Hose	7705	34
MPW-1000® High Pressure Wire Braid Multipurpose Hose	7204	35
Hot Tar & Asphalt Hose	SW387	36
LP Gas Hose UL21, CGA Type I.....	7132	37
LP Gas Hose UL21, CGA Type I.....	7232	38
SUPER-FLEX® Water Suction & Discharge Hose.....	7392E	39
HURRICANE™ Pressure Washer Hose and Assemblies.....	7258	40
Contractor's Water Hose Assemblies.....	7055/7093	42
NEXCLEAR® Clear PVC Tubing	100	43
THORO-BRAID® Clear PVC Hose	7581	45
Dry Ice Blasting Silicone Hose	6635	46
SOFT-FLEX™ DEF Fill & Transfer Hose	7116M	47
TITANFLEX® DEF Fill & Suction/Transfer Hose.....	SWC693	48

Couplings

Field Attachable (Reusable) No-Skive Couplings – Carbon Steel	88	49
Crimp Couplings – Carbon Steel Compression	HY	50
Crimp Couplings & Ferrules – DEF Service.....	HBL-C	51
Reattachable Couplings – Carbon Steel Barbed Inserts.....	TB	52
SAE J2044 Safe Lock™ Quick Connect Composite Couplings.....	A6	53
Stepless® One-Ear Pinch Clamps	PC	53
SAE J2044 Couplings and Engine Hose Compatibility Tables.....		54

Safety & Technical Information

4400-B.1 Parker Safety Guide		55
Effects of Elevated Temperatures on PVC/Thermoplastic Hose and Tubing		58
Silicone Hose Chemical Resistance Guide		59

Offer of Sale

.....		60
-------	--	----

Crafted Hose and Integrated Sub-Systems for Maximum Performance

Beyond functional, practical and useful...all the way to Exceptional

That is what your customers expect from your equipment, products and systems. And to achieve this, you require innovative designs, premium materials, expert manufacturing and thorough testing from your suppliers.

These requirements are crucial when applied to OEM systems, especially heavy duty, high-capacity engines that power and support mobile off-road equipment used in agriculture, construction and mining industries, as well as over-the-road bus and truck applications.

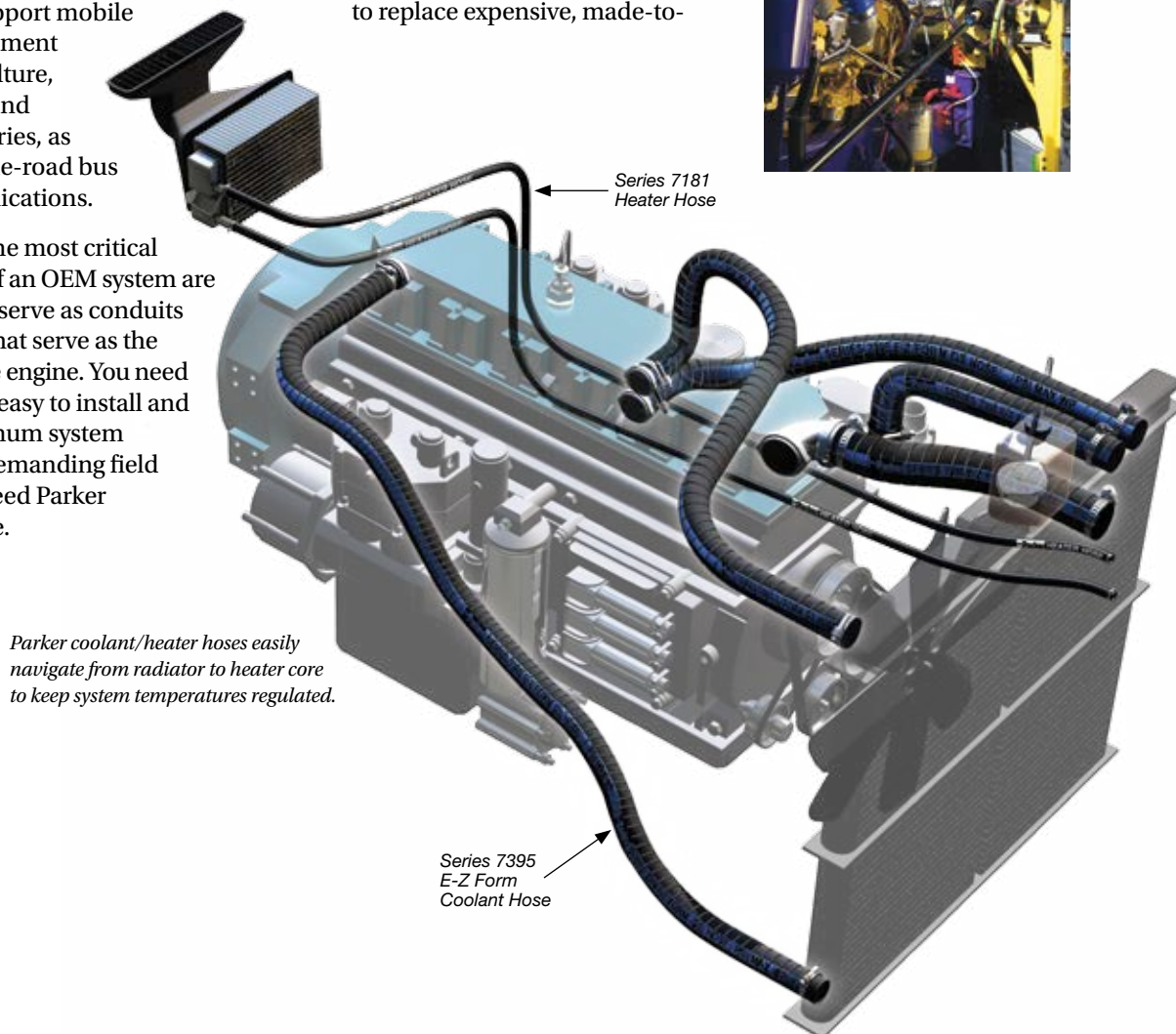
And some of the most critical components of an OEM system are the hoses that serve as conduits for the fluids that serve as the lifeblood of the engine. You need hoses that are easy to install and provide maximum system efficiency in demanding field service. You need Parker industrial hose.

Engine Hose Applications

Parker industrial hoses are easy to install and available in a wide selection of constructions and configurations that can handle virtually every engine-related requirement, including cooling, heating and fueling.

Cool it. E-Z Form™ GS Series 7395 hose incorporates a unique construction that is flexible enough to replace expensive, made-to-

order formed hose and hose/metal tubing combination assemblies. Stocked in multiple SAE and metric sizes and long lengths, Series 7395 can be sized to fit intricate and challenging routings...even around the corners of pivoting doors!



Power it. Need an **oil-resistant** or **high temperature** capability hose? The versatile E-Z Form hose family can also address those applications. Multipurpose Series 7219 is the perfect product for **suction and return lines** that help power hydraulic accessories and tools associated with heavy-duty engines and equipment. Another E-Z Form version—Series 7399—features high temperature capability, ideal for applications such as return lines in non-SAE power steering systems.

Fuel it. For fuel supply, durable Parker FL barrier fuel line hoses not only guarantee easy installation but also incorporate low permeation that meets CARB, EPA and SORE requirements, reducing the emission of volatile organic compounds (VOCs) that pollute the atmosphere. Fuel line hose meets SAE performance requirements and is also offered in a non-barrier construction. For non-SAE fuel line applications, Series 7219 provides reliable service for routings that require an extreme bend radius.

Heat it. Parker heater hose channels heat from the engine to the vehicle cabin, and is manufactured in a durable high temperature SAE construction for demanding applications.

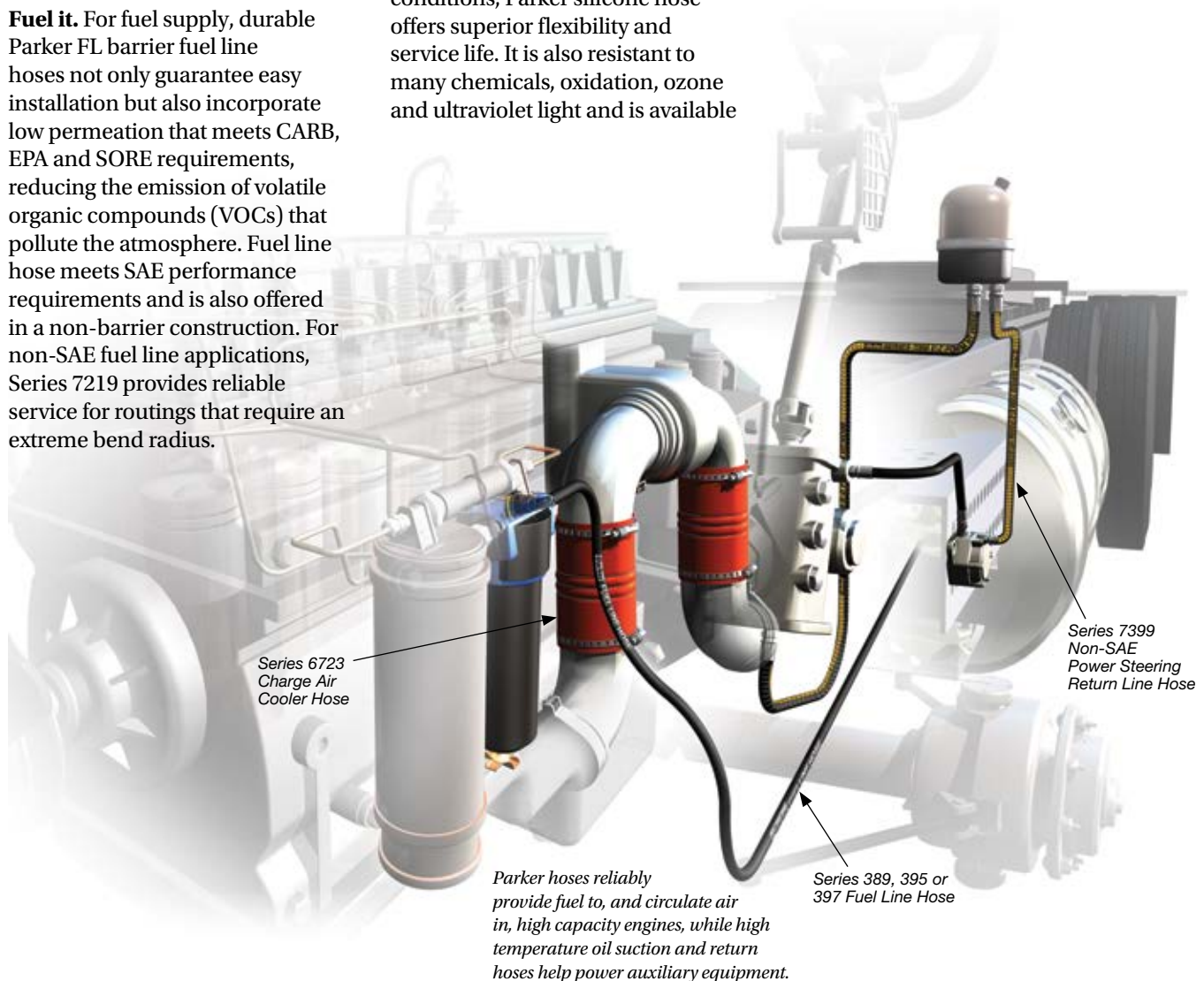
Silicone Coolant/Heater Hose - Extreme High Temperature

Extreme heat is the primary enemy of standard rubber hose; Parker E-Z Form rubber hose is manufactured with premium grade, heat resistant rubber for maximum service life. For extreme temperature conditions, Parker silicone hose offers superior flexibility and service life. It is also resistant to many chemicals, oxidation, ozone and ultraviolet light and is available

from stock in multiple sizes for extremely high temperature—to 500°F—coolant and heater applications.

Parker also offers a number of silicone hose connector shapes such as hump hose, reducers and marine exhaust hose for use in automotive, heavy duty trucking, marine and other high performance, extreme-temperature applications. Custom constructions are also available for applications requiring unique configurations. Contact Parker for additional information.

continued next page



Engine Hose Sub-Systems

A Hose Assembly System as Easy as Cut, Pinch, Push, Click

Parker offers individual components as well as factory-made SAE J2044 hose assemblies. These assemblies incorporate Parker Safe Lock™ SAE J2044 quick connect couplings that are qualified with Parker hose and clamps for fabricating durable, flexible and lightweight hose assemblies to handle virtually every engine-related requirement, including fuel supply, vapor emission and cooling/heating.

Using components from Parker Industrial Hose Products (IHP) and Fluid System Connectors (FSC) divisions, users can also fabricate these assemblies in a variety of

constructions and configurations. Simply cut the hose to length, push the specified fitting into the hose and apply the specified clamp. To install the finished assembly, push the fitting onto the port and engage the lock with a distinctive “click” that secures the connection.

Refer to pages 53-54 for additional information, including hose, fitting and clamp compatibility tables.



Parker also offers:

- ISO certification
- Customized hose colors and specified lengths
- Contemporary hose analysis, manufacturing and testing equipment
- Comprehensive product information and technical support—including “Live Chat”—via the parker.com and safehose.com websites

Fuel Compatibility

Hose Series	Tube	Avgas	Gasoline	Ethanol		Diesel	Biodiesel	
				to E10	to E85 to E100		to B20	to B100
389	Nitrile	D	A	A	A	D	A	X
395	Nitrile	D	A	A	A	D	A	X
397	Nitrile	D	A	A	A	D	A	A
7204	Nitrile	D	A	A	A	A	A	X
7216E	Nitrile	D	A	A	A	D	A	X
7219	Nitrile	D	A	A	A	A	A	X
7705	Nitrile	A	A	A	A	A	A	A

A: Acceptable for use with the designated fuel, and can be interchanged/used with other “A” media in the same row.

D: Acceptable for use with the designated fuel, but only for DEDICATED service with that designated fuel.

X: Not acceptable for use with the designated fuel in any application.

NOTE: “A” or “D” ratings do not imply compliance with government or industry regulations, specifications or standards in any application.





Photo courtesy of DOD

Industrial Applications

For a wide variety of other applications, Parker's crimped industrial hose assemblies are fabricated to precise standards using high quality Parker industrial hose and permanent crimp couplings. Validated using Parker assembly equipment and specifications, these hose assemblies are fully integrated systems, ready to play a vital role in your products.

Developed with the care and quality typically afforded only ultra-high-pressure hydraulic hoses, Parker industrial hoses are important system components. Suitable for conveying air, chemicals, coolants, fuels, hydraulic fluids or water in low- or high-pressure applications, Parker industrial hoses meet a host of industry standards and application requirements.



Supporting a Wide Range of Markets

As the world's leading supplier of motion control and fluid conveyance systems and components, Parker provides products and support to serve many markets, including agricultural, construction, lawn & garden, material handling and transportation.

From design to production, Parker's many decades of hose engineering and manufacturing expertise ensure you will receive products that will provide exceptional performance.

Industry Standards

Coolant & Engine Hose Standard	CARB EPA SORE	SAE J20R1 Class A	SAE J20R2 Class A	SAE J20R2 Class D1	SAE J20R3 Class A	SAE J20R3EC Class D2	SAE J2044 (Fittings)	SAE J30R7	TMC RP303B
Hose Series	389	6620	6621*	7395*	6722	7181	Safe Lock™	389	6620
	397	6750	6623		6723/6723M			395	6621
		6751			6724			397*	6623
Other Hose Standards	MSHA	UL21/ CAN CGA Type I							
Hose Series	7212	7132							
		7232							

* Meets performance requirements



E-Z FORM™ GS General Service Hose SAE J20R2-D1 Performance

Series 7395



Series 7395 is an extremely flexible, lightweight low pressure hose designed to handle air, coolant, mild chemicals and water. The hose construction incorporates premium grade high temperature EPDM materials that are resistant to commonly used engine coolant formulations and that provide electrochemical resistance to inhibit striations and rusting of hose-to-metal interfaces. The body of the hose contains a wire helix that provides full suction/vacuum capability and a path to conduct a static electrical charge to ground, and a cover that is resistant to abrasion, mild chemicals, heat and ozone. The unique Greek cover corrugations are tightly pitched and precision-engineered, providing minimal force-to-bend, superior kink resistance, and maximum flexibility for ease of handling. Series 7395 is capable of being routed through confined spaces where formed hose might normally be required.

NOTES:

- Do not drag across sharp edges or highly abrasive surfaces.
- For E-Z FORM™ oil resistant multipurpose oil resistant hose, refer to Series 7219.
- For E-Z FORM™ high temperature multipurpose oil resistant hose, refer to Series 7399.
- Available in customer-specified cut lengths. Contact Parker.

Tube:	Black EPDM
Reinforcement:	Multiple textile plies with wire helix
Cover:	Black EPDM; Greek corrugated finish
Temp. Range:	-50°F to +257°F (-45°C to +125°C)
Brand Method:	Black text on blue stripe
Brand Example:	PARKER SERIES 7395 E-Z FORM™ GS HOSE XXX PSI MAX WP MADE IN USA (sizes 3/8", 1/2", 5/8", 3/4" and 1")
Design Factor:	4:1
Industry Standards:	SAE J20R2-D1 performance
Applications:	<ul style="list-style-type: none"> • Air, coolant, mild chemicals, water • Coolant systems, drain lines, vacuum service • SAE-performance in engine coolant service, general industrial
Vacuum:	29 in Hg (737 mm Hg)
Packaging:	Coils, reels

(Continued on the following page)

Series 7395 – E-Z FORM™ GS General Service Hose

Part Number	ID (in)	ID (mm)	Nom ID (in)	Nom ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Min Bend Rad (in)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
7395-0375025	3/8	9.5	0.375	9.5	2	0.820	20.9	0.24	25.4	150	10.3	*	25	Y
7395-0375300													300	Y
7395-0500025	1/2	12.7	0.500	12.7	2	0.936	23.8	0.27	0.9	75	5.2	7661-TY	25	Y
7395-0500300													300	Y
7395-0625025	5/8	15.9	0.625	15.9	2	1.064	27.0	0.33	1.3	75	5.2	HY	25	Y
7395-0625300													300	Y
7395-0750025	3/4	19.1	0.750	19.1	2	1.180	30.0	0.35	1.4	75	5.2	HY	25	Y
7395-0750300													300	Y
7395-0875025	7/8	22.2	0.875	22.2	2	1.290	32.8	0.38	1.4	75	5.2	*	25	Y
7395-0875300													300	Y
7395-1000025	1	25.4	1.000	25.4	2	1.418	36.0	0.41	1.4	75	5.2	HY	25	Y
7395-1000300													300	Y
7395-1125025	1-1/8	28.6	1.102	28.0	2	1.496	38.0	0.42	1.8	75	5.2	*	25	Y
7395-1125130													130	N
7395-1250025	1-1/4	31.8	1.260	32.0	2	1.693	43.0	0.50	2.2	75	5.2	HY	25	Y
7395-1250130													130	N
7395-1375025	1-3/8	34.9	1.378	35.0	2	1.811	46.0	0.54	2.8	75	5.2	*	25	Y
7395-1375130													130	N
7395-1500025	1-1/2	38.1	1.496	38.0	2	1.929	49.0	0.58	2.9	75	5.2	43	25	Y
7395-1500130													130	Y
7395-1625025	1-5/8	41.3	1.654	40.0	2	2.087	53.0	0.64	3.6	75	5.2	*	25	N
7395-1625130													130	N
7395-1750025	1-3/4	44.5	1.772	42.0	2	2.205	56.0	0.68	4.0	75	5.2	*	25	Y
7395-1750130													130	N
7395-2000025	2	50.8	2.008	51.0	2	2.480	63.0	0.96	4.6	75	5.2	43	25	Y
7395-2000130													130	N
7395-2250025	2-1/4	57.1	2.283	58.0	2	2.756	70.0	1.08	6.5	75	5.2	*	25	Y
7395-2250130													130	N
7395-2375025	2-3/8	60.3	2.362	60.0	2	2.874	73.0	1.11	6.9	75	5.2	*	25	Y
7395-2375130													130	N
7395-2500025	2-1/2	63.5	2.500	63.5	2	3.012	76.5	1.17	7.2	75	5.2	*	25	Y
7395-2500130													130	N
7395-2750025	2-3/4	69.9	2.756	70.0	2	3.307	84.0	1.40	8.1	75	5.2	*	25	N
7395-2750130													130	N
7395-3000025	3	76.2	2.992	76.0	2	3.543	90.0	1.51	8.8	75	5.2	*	25	Y
7395-3000130													130	N
7395-3500025	3-1/2	88.9	3.543	90.0	2	4.094	104.0	1.92	11.7	75	5.2	*	25	Y
7395-3500130													130	Y
7395-4000025	4	101.6	4.016	102.0	2	4.567	116.0	2.20	13.4	75	5.2	*	25	Y
7395-4000130													130	N

* **Couplings:** Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.



Coolant/Heater Hose

SAE 20R3EC Class D-2

Series 7181

Series 7181 is a flexible, lightweight, high temperature coolant/heater hose for SAE service. The hose construction incorporates premium grade EPDM materials that provide electrochemical resistance to inhibit striations and rusting of hose-to-metal interfaces, and high temperature performance. The hose is resistant to abrasion, mild chemicals and weathering.

NOTE: Available in customer-specified cut lengths. Contact Parker.

Tube: Black EPDM
Reinforcement: Multiple textile plies
Cover: Black EPDM; smooth finish
Temp. Range: -40°F to +257°F (-40°C to +125°C)
Brand Method: White ink
Brand Example: PARKER SERIES 7181 HEATER HOSE SAE 20R3EC D-2 (ID) XX PSI MAX WP ELECTROCHEMICALLY RESISTANT MADE IN USA (DATE CODE)

Design Factor: 4:1

Industry Standards: SAE 20R3EC Class D2

Applications:

- Coolant, hot water, mild chemicals
- Industrial and vehicle coolant systems; low pressure drain lines
- Agriculture, construction, general industrial, transportation

Vacuum: Not recommended

Packaging: Reels, cartons

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
7181-251	1/4	6.4	2	0.526	13.4	0.10	0.05	2.5	63.5	65	4.5	*	700	Y
7181-311	5/16	8.0	2	0.589	15.0	0.18	0.05	3.5	88.9	65	4.5	*	700	Y
7181-381	3/8	9.5	2	0.690	17.5	0.16	0.07	5.0	127.0	65	4.5	*	600	Y
7181-501	1/2	12.7	2	0.815	20.7	0.19	0.09	6.0	152.4	65	4.5	*	500	Y
7181-631	5/8	15.9	2	0.940	23.9	0.23	0.10	8.0	203.2	65	4.5	HY	500	Y
7181-631050	5/8	15.9	2	0.940	23.9	0.23	0.10	8.0	203.2	65	4.5	HY	5 x 50	Y
7181-751	3/4	19.1	2	1.065	27.1	0.27	0.12	9.0	228.6	50	3.4	*	500	Y
7181-1001	1	25.4	2	1.339	34.0	0.37	0.17	12.0	304.8	45	3.1	*	300	Y

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

SAE J2044 Couplings: Parker Quick Connect Safe Lock™ Couplings available from Parker Fluid System Connectors Division. See compatibility tables in Couplings section of this catalog.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.



Silicone Coolant/Heater Hose / 3-Ply

SAE J20R1 Class A

Nonconductive

Series 6750

Series 6750 is a 3-ply silicone coolant/heater hose designed to transfer high temperature solutions in coolant circuits on buses, mobile/off-road equipment, trucks and any engine incorporating a radiator application. The hose meets or exceeds SAE J20R1 Class A requirements, with a temperature range of -65°F to +350°F (-53°C to +176°C). The multiple plies of textile reinforcement provide durability and the silicone construction resists coolant solutions, aging, cold leaks, cracking, delamination, ozone and peeling. Series 6750 is manufactured on mandrels for tight dimensional tolerances and is offered in standard 3-foot lengths.

NOTE: Available in customer-specified cut lengths. Contact Parker.

Tube:	Brick red silicone
Reinforcement:	Multiple high temperature textile plies
Cover:	Blue silicone, matte finish
Temp. Range:	-65°F to +350°F (-53°C to +176°C)
Brand Method:	Black ink
Brand Example:	PARKER SILICONE SERIES 6750 (ID) -65°F TO +350°F (DATE CODE) MADE IN USA
Max. Rec. WP:	1/3 of minimum burst pressure shown in table below
Industry Standards:	SAE J20R1 Class A
Applications:	<ul style="list-style-type: none"> • Buses, mobile/off-road equipment, trucks • Other equipment or vehicles with heating lines
Vacuum:	Not recommended
Packaging:	Cartons

(Continued on the following page)

Series 6750 – Silicone Coolant/Heater Hose / 3-Ply (Continued)

Part Number	Size (in)	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ea)	Approx Wt (kgs/ea)	Min Burst Press (psi)	Min Burst Press (bar)	Perm Cplg Rec *	Std Pack Qty (ea) ***	Stock Status **
6750-0250003	1/4	0.250	6.4	3	0.600	15.2	1.02	0.46	477	32.9	*	1 x 3-ft	N
6750-0310003	5/16	0.313	8.0	3	0.660	16.8	1.20	0.54	477	32.9	*	1 x 3-ft	N
6750-0375003	3/8	0.375	9.5	3	0.720	18.3	1.44	0.65	477	32.9	*	1 x 3-ft	Y
6750-0500003	1/2	0.500	12.7	3	0.850	21.6	1.56	0.71	425	29.3	*	1 x 3-ft	Y
6750-0625003	5/8	0.625	15.9	3	0.970	24.6	2.49	1.13	376	25.9	*	1 x 3-ft	Y
6750-0750003	3/4	0.750	19.1	3	1.100	27.9	2.73	1.23	325	22.4	*	1 x 3-ft	Y
6750-0875003	7/8	0.875	22.2	3	1.220	31.0	3.00	1.36	325	22.4	*	1 x 3-ft	Y
6750-1000003	1	1.000	25.4	3	1.350	34.3	3.24	1.47	299	20.6	*	1 x 3-ft	Y
6750-1125003	1-1/8	1.125	28.6	3	1.470	37.3	3.60	1.63	299	20.6	*	1 x 3-ft	Y
6750-1250003	1-1/4	1.250	31.8	3	1.600	40.6	3.84	1.74	276	19.0	*	1 x 3-ft	Y
6750-1313003	1-5/16	1.313	33.4	3	1.660	42.2	3.96	1.80	276	19.0	*	1 x 3-ft	N
6750-1375003	1-3/8	1.375	34.9	3	1.720	43.7	4.17	1.89	276	19.0	*	1 x 3-ft	Y
6750-1500003	1-1/2	1.500	38.1	3	1.850	47.0	4.47	2.03	249	17.2	*	1 x 3-ft	Y
6750-1625003	1-5/8	1.625	41.3	3	1.970	50.0	4.74	2.15	249	17.2	*	1 x 3-ft	Y
6750-1750003	1-3/4	1.750	44.5	3	2.100	53.3	5.10	2.31	225	15.5	*	1 x 3-ft	Y
6750-1875003	1-7/8	1.875	47.6	3	2.220	56.4	5.40	2.45	200	13.8	*	1 x 3-ft	Y
6750-2000003	2	2.000	50.8	3	2.350	59.7	5.73	2.60	200	13.8	*	1 x 3-ft	Y
6750-2125003	2-1/8	2.125	54.0	3	2.470	62.7	6.04	2.74	175	12.1	*	1 x 3-ft	Y
6750-2250003	2-1/4	2.250	57.2	3	2.600	66.0	6.36	2.88	175	12.1	*	1 x 3-ft	Y
6750-2313003	2-5/16	2.313	58.8	3	2.660	67.6	6.68	3.03	175	12.1	*	1 x 3-ft	N
6750-2375003	2-3/8	2.375	60.3	3	2.720	69.1	7.00	3.18	175	12.1	*	1 x 3-ft	N
6750-2500003	2-1/2	2.500	63.5	3	2.850	72.4	7.20	3.27	149	10.3	*	1 x 3-ft	Y
6750-2625003	2-5/8	2.625	66.7	3	2.970	75.4	7.53	3.42	125	8.6	*	1 x 3-ft	Y
6750-2750003	2-3/4	2.750	69.9	3	3.100	78.7	7.92	3.59	125	8.6	*	1 x 3-ft	Y
6750-2875003	2-7/8	2.875	73.0	3	3.220	81.8	8.43	3.82	87	6.0	*	1 x 3-ft	N
6750-3000003	3	3.000	76.2	3	3.350	85.1	9.00	4.08	87	6.0	*	1 x 3-ft	Y
6750-3125003	3-1/8	3.125	79.4	3	3.470	88.1	9.53	4.32	75	5.2	*	1 x 3-ft	N
6750-3250003	3-1/4	3.250	82.6	3	3.600	91.4	9.72	4.41	75	5.2	*	1 x 3-ft	N
6750-3313003	3-5/16	3.313	84.2	3	3.660	93.0	9.78	4.44	75	5.2	*	1 x 3-ft	N
6750-3375003	3-3/8	3.375	85.7	3	3.720	94.5	9.87	4.48	75	5.2	*	1 x 3-ft	N
6750-3500003	3-1/2	3.500	88.9	3	3.850	97.8	9.96	4.52	75	5.2	*	1 x 3-ft	Y
6750-3625003	3-5/8	3.625	92.1	3	3.970	100.8	10.14	4.60	49	3.8	*	1 x 3-ft	N
6750-3750003	3-3/4	3.750	95.3	3	4.100	104.1	10.47	4.75	49	3.8	*	1 x 3-ft	N
6750-3875003	3-7/8	3.875	98.4	3	4.220	107.2	10.80	4.90	49	3.8	*	1 x 3-ft	N
6750-4000003	4	4.000	101.6	3	4.350	110.5	11.10	5.03	49	3.8	*	1 x 3-ft	Y
6750-4250003	4-1/4	4.250	108.0	3	4.600	116.8	12.30	5.58	49	3.8	*	1 x 3-ft	N
6750-4500003	4-1/2	4.500	114.3	3	4.850	123.2	13.20	5.99	49	3.8	*	1 x 3-ft	Y
6750-4750003	4-3/4	4.750	120.7	3	5.100	129.5	13.71	6.22	49	3.8	*	1 x 3-ft	N
6750-5000003	5	5.000	127.0	3	5.350	135.9	14.34	6.50	49	3.8	*	1 x 3-ft	Y

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.





Silicone Coolant/Heater Hose / 4-Ply SAE J20R1 Class A

Nonconductive

Series 6751

Series 6751 is a 4-ply heavy duty silicone coolant/heater hose designed to transfer high temperature solutions in coolant circuits on buses, mobile/off-road equipment, trucks and any engine incorporating a radiator application. The hose meets or exceeds SAE J20R1 Class A requirements, with a temperature range of -65°F to +350°F (-53°C to +176°C). The multiple plies of textile reinforcement provide durability and the silicone construction resists coolant solutions, aging, cracking, delamination, ozone and peeling. Series 6751 is manufactured on mandrels for tight dimensional tolerances, and is offered in standard 3-foot lengths.

NOTE: Available in customer-specified cut lengths. Contact Parker.

Tube:	Brick red silicone
Reinforcement:	Multiple high temperature textile plies
Cover:	Blue silicone, matte finish
Temp. Range:	-65°F to +350°F (-53°C to +176°C)
Brand Method:	Black ink
Brand Example:	PARKER SILICONE SERIES 6751 (ID) -65°F TO +350°F (DATE CODE) MADE IN USA
Max. Rec. WP:	1/3 of minimum burst pressure shown in table below
Industry Standards:	SAE J20R1 Class A
Applications:	<ul style="list-style-type: none"> • Buses, mobile/off-road equipment, trucks • Other equipment or vehicles with heating lines
Vacuum:	Not recommended
Packaging:	Cartons

(Continued on the following page)

Series 6751 – Silicone Coolant/Heater Hose / 4-Ply (Continued)

Part Number	Size (in)	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ea)	Approx Wt (kgs/ea)	Min Burst Press (psi)	Min Burst Press (bar)	Perm Cplg Rec *	Std Pack Qty (ea) ***	Stock Status **
6751-0250003	1/4	0.250	6.4	4	0.630	16.0	1.50	0.68	477	32.9	*	1 x 3-ft	N
6751-0313003	5/16	0.313	7.9	4	0.690	17.5	1.68	0.76	477	32.9	*	1 x 3-ft	N
6751-0375003	3/8	0.375	9.5	4	0.760	19.3	2.07	0.94	477	32.9	*	1 x 3-ft	N
6751-0500003	1/2	0.500	12.7	4	0.880	22.4	2.22	1.01	425	29.3	*	1 x 3-ft	N
6751-0625003	5/8	0.625	15.9	4	1.010	25.7	2.58	1.17	376	25.9	*	1 x 3-ft	N
6751-0750003	3/4	0.750	19.1	4	1.130	28.7	3.03	1.37	325	22.4	*	1 x 3-ft	N
6751-0875003	7/8	0.875	22.2	4	1.260	32.0	3.33	1.51	325	22.4	*	1 x 3-ft	N
6751-1000003	1	1.000	25.4	4	1.380	35.1	3.66	1.66	299	20.6	*	1 x 3-ft	N
6751-1125003	1-1/8	1.125	28.6	4	1.510	38.4	4.14	1.88	299	20.6	*	1 x 3-ft	N
6751-1250003	1-1/4	1.250	31.8	4	1.630	41.4	4.38	1.99	276	19.0	*	1 x 3-ft	N
6751-1313003	1-5/16	1.313	33.3	4	1.690	42.9	4.65	2.11	276	19.0	*	1 x 3-ft	N
6751-1375003	1-3/8	1.375	34.9	4	1.760	44.7	4.95	2.25	276	19.0	*	1 x 3-ft	N
6751-1500003	1-1/2	1.500	38.1	4	1.880	47.8	5.49	2.49	249	17.2	*	1 x 3-ft	N
6751-1625003	1-5/8	1.625	41.3	4	2.010	51.1	5.67	2.57	249	17.2	*	1 x 3-ft	N
6751-1750003	1-3/4	1.750	44.5	4	2.130	54.1	5.85	2.65	225	15.5	*	1 x 3-ft	N
6751-1875003	1-7/8	1.875	47.6	4	2.260	57.4	6.51	2.95	200	13.8	*	1 x 3-ft	N
6751-2000003	2	2.000	50.8	4	2.380	60.5	6.84	3.10	200	13.8	*	1 x 3-ft	Y
6751-2125003	2-1/8	2.125	54.0	4	2.510	63.8	7.17	3.25	175	12.1	*	1 x 3-ft	N
6751-2250003	2-1/4	2.250	57.2	4	2.630	66.8	7.38	3.35	175	12.1	*	1 x 3-ft	N
6751-2313003	2-5/16	2.313	58.7	4	2.690	68.3	7.53	3.42	175	12.1	*	1 x 3-ft	N
6751-2375003	2-3/8	2.375	60.3	4	2.760	70.1	7.74	3.51	175	12.1	*	1 x 3-ft	N
6751-2500003	2-1/2	2.500	63.5	4	2.880	73.2	8.19	3.71	149	10.3	*	1 x 3-ft	N
6751-2625003	2-5/8	2.625	66.7	4	3.010	76.5	8.64	3.92	125	8.6	*	1 x 3-ft	Y
6751-2750003	2-3/4	2.750	69.9	4	3.130	79.5	8.91	4.04	125	8.6	*	1 x 3-ft	N
6751-2875003	2-7/8	2.875	73.0	4	3.260	82.8	9.33	4.23	87	6.0	*	1 x 3-ft	N
6751-3000003	3	3.000	76.2	4	3.380	85.9	9.93	4.50	87	6.0	*	1 x 3-ft	N
6751-3125003	3-1/8	3.125	79.4	4	3.510	89.2	10.14	4.60	75	5.2	*	1 x 3-ft	N
6751-3250003	3-1/4	3.250	82.6	4	3.630	92.2	10.32	4.68	75	5.2	*	1 x 3-ft	N
6751-3313003	3-5/16	3.313	84.1	4	3.690	93.7	10.41	4.72	75	5.2	*	1 x 3-ft	N
6751-3375003	3-3/8	3.375	85.7	4	3.760	95.5	10.53	4.78	75	5.2	*	1 x 3-ft	N
6751-3500003	3-1/2	3.500	88.9	4	3.880	98.6	10.80	4.90	75	5.2	*	1 x 3-ft	N
6751-3625003	3-5/8	3.625	92.1	4	4.010	101.9	11.10	5.03	49	3.8	*	1 x 3-ft	N
6751-3750003	3-3/4	3.750	95.3	4	4.130	104.9	11.43	5.18	49	3.8	*	1 x 3-ft	N
6751-3875003	3-7/8	3.875	98.4	4	4.260	108.2	11.76	5.33	49	3.8	*	1 x 3-ft	N
6751-4000003	4	4.000	101.6	4	4.380	111.3	12.12	5.50	49	3.8	*	1 x 3-ft	Y
6751-4250003	4-1/4	4.250	108.0	4	4.630	117.6	13.20	6.00	49	3.8	*	1 x 3-ft	N
6751-4500003	4-1/2	4.500	114.3	4	4.880	124.0	14.10	6.40	49	3.8	*	1 x 3-ft	N
6751-4750003	4-3/4	4.750	120.7	4	5.130	130.3	14.61	6.63	49	3.8	*	1 x 3-ft	N
6751-5000003	5	5.000	127.0	4	5.380	136.7	15.27	6.93	49	3.8	*	1 x 3-ft	N

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.





Silicone Coolant/Heater Hose

SAE J20R1 Class A; TMC RP303B

Nonconductive

Series 6620

Series 6620 is a softwall silicone coolant/heater hose designed to transfer high temperature solutions between the radiator and engine on buses, mobile/off-road equipment, trucks and any engine incorporating a radiator application. The hose meets or exceeds SAE J20R1 Class A and TMC RP303B requirements, with a temperature range of -76°F to +392°F (-60°C to +200°C). The multiple plies of textile reinforcement provide durability and the silicone construction resists coolant solutions, aging, cold leaks, cracking, delamination, ozone and peeling. Series 6620 is manufactured on 130-foot mandrels—providing the longest hose lengths in the industry—for tight dimensional tolerances and maximum inventory utilization.

NOTE: Available in customer-specified cut lengths. Contact Parker.

Tube:	Black silicone (other colors available; contact Parker)
Reinforcement:	Multiple high temperature textile plies
Cover:	Red silicone, matte finish (other colors available; contact Parker)
Temp. Range:	-76°F to +392°F (-60°C to +200°C)
Brand Method:	Black text on yellow stripe
Brand Example:	PARKER SILICONE SERIES 6620 -76°F to +392°F (DATE CODE)
Max. Rec. WP:	1/3 of minimum burst pressure shown in table below
Industry Standards:	SAE J20R1 Class A; TMC RP303B
Applications:	<ul style="list-style-type: none"> • Coolant transfer in heater and coolant circuits • Buses, mobile/off-road equipment, trucks • Other equipment or vehicles with heating lines
Vacuum:	Not recommended
Packaging:	Coils

Part Number	Size (in)	ID (in)	ID (mm)	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Burst Press (psi)	Min Burst Press (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
6620-0625130	5/8	0.630	16.0	0.945	24.0	0.15	0.07	750	51.7	*	130	Y
6620-0750130	3/4	0.748	19.0	1.142	29.0	0.26	0.12	600	41.4	*	130	Y
6620-1000130	1	0.984	25.0	1.378	35.0	0.33	0.15	480	33.1	*	130	Y
6620-1250130	1-1/4	1.260	32.0	1.654	42.0	0.40	0.18	390	26.9	*	130	N
6620-1375130	1-3/8	1.378	35.0	1.772	45.0	0.44	0.20	360	24.8	*	130	N
6620-1500130	1-1/2	1.496	38.0	1.890	48.0	0.47	0.21	330	22.8	*	130	N
6620-1625130	1-5/8	1.654	42.0	2.047	52.0	0.52	0.24	300	20.7	*	130	N
6620-1750130	1-3/4	1.772	45.0	2.165	55.0	0.54	0.24	285	19.7	*	130	N
6620-2000130	2	2.008	51.0	2.402	61.0	0.61	0.28	255	17.6	*	130	N

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.



Silicone Coolant/Heater Hose

SAE J20R2 Class A; TMC RP303B

Series 6623

Series 6623 is a hardwall silicone coolant/heater hose designed to transfer high temperature solutions between the radiator and engine on buses, mobile/off-road equipment, trucks and any engine incorporating a radiator application. The hose meets or exceeds SAE J20R2 Class A and TMC RP303B requirements, with a temperature range of -76°F to +392°F (-60°C to +200°C). The hose construction incorporates multiple plies of textile reinforcement for durability, a helical wire for limited suction capability and collapse/kink resistance, and resists coolant solutions, aging, cold leaks, cracking, delamination, ozone and peeling. Series 6623 is manufactured on 130-foot mandrels—providing the longest and most flexible continuous hose lengths in the industry—for tight dimensional tolerances and maximum inventory utilization.

NOTE: Available in customer-specified cut lengths. Contact Parker.

Tube:	Black silicone (other colors available; contact Parker)
Reinforcement:	Multiple high temperature textile plies with single (to 1-1/4" ID) or dual (larger than 1-1/4" ID) wire helix
Cover:	Red silicone, matte finish (other colors available; contact Parker)
Temp. Range:	-76°F to +392°F (-60°C to +200°C)
Brand Method:	Black text on yellow stripe
Brand Example:	PARKER SILICONE SERIES 6623 -76°F to +392°F (DATE CODE)
Max. Rec. WP:	1/3 of minimum burst pressure shown in table below
Industry Standards:	SAE J20R2 Class A; TMC RP303B
Applications:	<ul style="list-style-type: none"> • Coolant transfer in heater and coolant circuits • Buses, mobile/off-road equipment, trucks • Other equipment or vehicles with heating lines
Vacuum:	17.7 in/hg
Packaging:	Coils

(Continued on the following page)

Series 6623 – Silicone Coolant/Heater Hose (Continued)

Part Number	Size (in)	ID (in)	ID (mm)	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Min Burst Press (psi)	Min Burst Press (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
6623-0375130	3/8	0.394	10.0	0.728	18.5	0.19	0.09	2.6	65.0	900	62.1	*	130	N
6623-0500130	1/2	0.512	13.0	0.846	21.5	0.22	0.10	2.8	70.0	750	51.7	*	130	N
6623-0625130	5/8	0.630	16.0	0.965	24.5	0.26	0.12	3.0	75.0	600	41.4	*	130	N
6623-0750130	3/4	0.748	19.0	1.142	29.0	0.34	0.15	3.1	80.0	525	36.2	*	130	N
6623-0875130	7/8	0.866	22.0	1.260	32.0	0.38	0.17	3.5	90.0	480	33.1	*	130	N
6623-1000130	1	0.984	25.0	1.378	35.0	0.42	0.19	3.9	100.0	450	31.0	*	130	N
6623-1125130	1-1/8	1.102	28.0	1.496	38.0	0.46	0.21	4.1	105.0	390	26.9	*	130	N
6623-1188130	1-3/16	1.181	30.0	1.575	40.0	0.48	0.22	4.3	110.0	375	25.9	*	130	N
6623-1250130	1-1/4	1.260	32.0	1.654	42.0	0.51	0.23	4.7	120.0	375	25.9	*	130	N
6623-1375130	1-3/8	1.378	35.0	1.772	45.0	0.55	0.25	5.1	130.0	360	24.8	*	130	N
6623-1500130	1-1/2	1.496	38.0	1.890	48.0	0.65	0.29	5.9	150.0	330	22.8	*	130	N
6623-1563130	1-9/16	1.575	40.0	1.969	50.0	0.68	0.31	7.1	180.0	300	20.7	*	130	N
6623-1750130	1-3/4	1.772	45.0	2.165	55.0	0.75	0.34	8.3	210.0	270	18.6	*	130	N
6623-2000130	2	2.008	51.0	2.402	61.0	0.83	0.38	9.4	240.0	255	17.6	*	130	N
6623-2250130	2-1/4	2.283	58.0	2.677	68.0	1.03	0.47	9.8	250.0	225	15.5	*	130	N
6623-2375130	2-3/8	2.362	60.0	2.835	72.0	1.34	0.61	10.2	260.0	210	14.5	*	130	N
6623-2500130	2-1/2	2.500	63.5	2.972	75.5	1.41	0.64	10.6	270.0	210	14.5	*	130	N
6623-3000130	3	2.992	76.0	3.465	88.0	1.65	0.75	13.8	350.0	165	11.4	*	130	N
6623-4000130	4	4.016	102.0	4.567	116.0	2.52	1.14	15.7	400.0	150	10.3	*	130	N

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.



Silicone Coolant/Heater Hose

SAE J20R2 Class A Performance; TMC RP303B

Series 6621

Series 6621 is a super-flexible silicone coolant/heater hose designed to transfer high temperature solutions between the radiator and engine on buses, mobile/off-road equipment, trucks and any engine incorporating a radiator application. The hose meets SAE J20R2 Class A performance criteria, with a temperature range of -76°F to +392°F (-60°C to +200°C). The hose construction incorporates multiple plies of textile reinforcement for durability, a helical wire for limited suction capability and collapse/kink resistance, and resists coolant solutions, aging, cold leaks, cracking, delamination, ozone and peeling. The unique Greek corrugations are tightly pitched and precision engineered, providing extreme flexibility and kink resistance for applications that require tight bends for routing through confined spaces where formed hoses might normally be required. Series 6621 is manufactured on 130-foot mandrels—providing the longest and most flexible continuous hose lengths in the industry—for tight dimensional tolerances and maximum inventory utilization.

NOTES: • Do not drag across sharp edges or highly abrasive services.

- Available in customer-specified cut lengths. Contact Parker.

Tube:	Black silicone (other colors available; contact Parker)
Reinforcement:	Multiple high temperature textile plies with wire helix
Cover:	Red silicone, Greek corrugated matte finish (other colors available; contact Parker)
Temp. Range:	-76°F to +392°F (-60°C to +200°C)
Brand Method:	Black text on yellow stripe
Brand Example:	PARKER SILICONE SERIES 6621 -76°F to +392°F (DATE CODE)
Max. Rec. WP:	1/3 of minimum burst pressure shown in table below
Industry Standards:	SAE J20R2 Class A performance; TMC RP303B
Applications:	<ul style="list-style-type: none"> • Coolant transfer in heater and coolant circuits • Buses, mobile/off-road equipment, trucks
Vacuum:	17.7 in/hg
Packaging:	Coils

(Continued on the following page)

Series 6621 – Silicone Coolant/Heater Hose (Continued)

Part Number	Size (in)	ID (in)	ID (mm)	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Min Burst Press (psi)	Min Burst Press (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
6621-0500025	1/2	0.512	13.0	0.906	23.0	0.21	0.10	1.2	30.2	225	15.5	*	25	N
6621-0500130	1/2	0.512	13.0	0.906	23.0	0.21	0.10	1.2	30.2	225	15.5	*	130	N
6621-0625025	5/8	0.630	16.0	1.024	26.0	0.22	0.10	1.4	35.1	225	15.5	*	25	N
6621-0625130	5/8	0.630	16.0	1.024	26.0	0.22	0.10	1.4	35.1	225	15.5	*	130	N
6621-0750025	3/4	0.748	19.0	1.142	29.0	0.24	0.11	1.8	45.0	225	15.5	*	25	N
6621-0750130	3/4	0.748	19.0	1.142	29.0	0.24	0.11	1.8	45.0	225	15.5	*	130	N
6621-1000025	1	0.984	25.0	1.378	35.0	0.30	0.14	2.0	50.0	225	15.5	*	25	Y
6621-1000130	1	0.984	25.0	1.378	35.0	0.30	0.14	2.0	50.0	225	15.5	*	130	N
6621-1250025	1-1/4	1.260	32.0	1.693	43.0	0.40	0.18	3.2	80.0	225	15.5	*	25	Y
6621-1375025	1-3/8	1.378	35.0	1.811	46.0	0.43	0.20	3.7	95.0	225	15.5	*	25	N
6621-1500025	1-1/2	1.496	38.0	1.929	49.0	0.46	0.21	3.9	100.1	225	15.5	*	25	Y
6621-1750025	1-3/4	1.772	45.0	2.205	56.0	0.54	0.24	5.1	130.0	225	15.5	*	25	N
6621-2000025	2	2.008	51.0	2.520	64.0	0.88	0.40	5.9	150.1	225	15.5	*	25	Y

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.



Silicone Coolant/Heater Hose

Standard Wall

SAE J20R3 Class A

Nonconductive

Series 6722

Series 6722 is an extruded silicone standard wall coolant/heater hose designed to transfer high temperature coolant in heating and diesel exhaust fluid (DEF) systems on buses, mobile/off-road equipment, trucks and any engine requiring heater or coolant lines. The hose meets or exceeds SAE J20R3 Class A requirements, with a temperature range of -65°F to +350°F (-53°C to +176°C). The multiple plies of textile reinforcement and extruded construction provide long and flexible lengths that resist coolant solutions, aging, cold leaks, cracking, delamination, ozone and peeling.

NOTE: Available in customer-specified cut lengths. Contact Parker.

Tube:	Brick red silicone
Reinforcement:	Multiple high temperature textile plies
Cover:	Blue silicone, glossy finish
Temp. Range:	-65°F to +350°F (-53°C to +176°C)
Brand Method:	Impression
Brand Example:	PARKER SILICONE SERIES 6722 (ID) -65°F TO +350°F (DATE CODE) MADE IN USA
Max. Rec. WP:	1/3 of minimum burst pressure shown in table below
Industry Standards:	SAE J20R3 Class A
Applications:	<ul style="list-style-type: none"> • Buses, mobile/off-road equipment, trucks • Other equipment or vehicles with heating lines
Vacuum:	Not recommended
Packaging:	Cartons, reels

Part Number	Size (in)	ID (in)	ID (mm)	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Min Burst Press (psi)	Min Burst Press (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
6722-0250050	1/4	0.250	6.4	0.526	13.4	0.10	0.05	0.5	12.7	250	17.2	*	50	Y
6722-0250250	1/4	0.250	6.4	0.526	13.4	0.10	0.05	0.5	12.7	250	17.2	*	250	Y
6722-0313100	5/16	0.313	8.0	0.590	15.0	0.12	0.05	0.7	18.0	250	17.2	*	100	N
6722-0375050	3/8	0.375	9.5	0.690	17.5	0.13	0.06	0.8	19.1	250	17.2	*	50	Y
6722-0375250	3/8	0.375	9.5	0.690	17.5	0.13	0.06	0.8	19.1	250	17.2	*	250	Y
6722-0500050	1/2	0.500	12.7	0.815	20.7	0.17	0.08	1.5	38.1	250	17.2	*	50	Y
6722-0500250	1/2	0.500	12.7	0.815	20.7	0.17	0.08	1.5	38.1	250	17.2	*	250	Y
6722-0625050	5/8	0.625	15.9	0.940	23.9	0.24	0.11	1.8	44.5	250	17.2	*	50	Y
6722-0625100	5/8	0.625	15.9	0.940	23.9	0.24	0.11	1.8	44.5	250	17.2	*	100	Y
6722-0625250	5/8	0.625	15.9	0.940	23.9	0.24	0.11	1.8	44.5	250	17.2	*	250	Y
6722-0750050	3/4	0.750	19.1	1.065	27.1	0.26	0.12	2.8	69.9	200	13.8	*	50	Y
6722-0750100	3/4	0.750	19.1	1.065	27.1	0.26	0.12	2.8	69.9	200	13.8	*	100	Y
6722-0875100	7/8	0.875	22.2	1.190	30.2	0.28	0.13	4.3	108.0	175	12.1	*	100	Y
6722-1000050	1	1.000	25.4	1.339	34.0	0.34	0.15	5.0	127.0	175	12.1	*	50	Y
6722-1000100	1	1.000	25.4	1.339	34.0	0.34	0.15	5.0	127.0	175	12.1	*	100	Y

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.



Silicone Coolant/Heater Hose

Heavy Wall

SAE J20R3 Class A

Nonconductive

Series 6723/6723M

Series 6723/6723M is an extruded silicone heavy wall coolant/heater hose designed to transfer high temperature coolant in heating and diesel exhaust fluid (DEF) systems on buses, mobile/off-road equipment, trucks and any engine requiring heater or coolant lines. The hose meets or exceeds SAE J20R3 Class A requirements, with a temperature range of -65°F to +350°F (-53°C to +176°C). The multiple plies of textile reinforcement and extruded construction provide long and flexible lengths that resist coolant solutions, aging, cold leaks, cracking, delamination, ozone and peeling.

NOTE: Available in customer-specified cut lengths. Contact Parker.

Tube:	Brick red silicone
Reinforcement:	Multiple high temperature textile plies
Cover:	Blue silicone, glossy finish
Temp. Range:	-65°F to +350°F (-53°C to +176°C)
Brand Method:	Impression
Brand Example:	PARKER SILICONE SERIES (6723)(6723M) (ID) -65°F TO +350°F (DATE CODE) MADE IN USA
Max. Rec. WP:	1/3 of minimum burst pressure shown in table below
Industry Standards:	SAE J20R3 Class A
Applications:	<ul style="list-style-type: none"> • Buses, mobile/off-road equipment, trucks • Other equipment or vehicles with heating lines
Vacuum:	Not recommended
Packaging:	Cartons, reels

Part Number	Size (in)	ID (in)	ID (mm)	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Min Burst Press (psi)	Min Burst Press (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
6723-0250250	1/4	0.250	6.4	0.640	16.3	0.11	0.05	0.4	9.5	250	17.2	*	250	N
6723-0375250	3/8	0.375	9.5	0.765	19.4	0.15	0.07	0.6	15.9	250	17.2	*	250	N
6723M-0500250	1/2	0.500	12.7	0.890	22.6	0.19	0.09	1.3	31.8	250	17.2	HY	250	Y
6723-0625050	5/8	0.625	15.9	1.015	25.8	0.27	0.12	1.5	38.1	250	17.2	*	50	Y
6723-0625100	5/8	0.625	15.9	1.015	25.8	0.27	0.12	1.5	38.1	250	17.2	*	100	Y
6723-0750050	3/4	0.750	19.1	1.140	29.0	0.29	0.13	2.4	60.3	200	13.8	HY	50	Y
6723-0750100	3/4	0.750	19.1	1.140	29.0	0.29	0.13	2.4	60.3	200	13.8	HY	100	Y
6723-1000050	1	1.000	25.4	1.390	35.3	0.39	0.18	4.0	101.6	175	12.1	HY	50	Y

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.



Silicone Coolant/Heater Hose

SAE J20R3 Class A

High Temperature, Nonconductive

Series 6724

Series 6724 is an extremely high temperature extruded silicone coolant/heater hose designed to transfer high temperature coolant in heating and diesel exhaust fluid (DEF) systems on buses, mobile/off-road equipment, trucks and any engine requiring heater or coolant lines. The hose meets or exceeds SAE J20R3 Class A requirements, with a temperature range of -65°F to +500°F (-53°C to +260°C). The multiple plies of textile reinforcement and extruded construction provide long and flexible lengths that resist coolant solutions, aging, cold leaks, cracking, delamination, ozone and peeling.

NOTE: Available in customer-specified cut lengths. Contact Parker.

Tube:	Brick red silicone
Reinforcement:	Multiple high temperature textile plies
Cover:	Blue silicone, glossy finish
Temp. Range:	-65°F to +500°F (-53°C to +260°C)
Brand Method:	Impression
Brand Example:	PARKER SILICONE SERIES 6724 -65°F TO +500°F (DATE CODE) MADE IN USA
Max. Rec. WP:	1/3 of minimum burst pressure shown in table below
Industry Standards:	SAE J20R3 Class A
Applications:	<ul style="list-style-type: none"> Buses, mobile/off-road equipment, trucks Other equipment or vehicles with heating lines
Vacuum:	Not recommended
Packaging:	Cartons

Part Number	Size (in)	ID (in)	ID (mm)	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Min Burst Press (psi)	Min Burst Press (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
6724-0250250	1/4	0.250	6.4	0.526	13.4	0.10	0.05	0.5	12.7	250	17.2	*	250	N
6724-0375250	3/8	0.375	9.5	0.690	17.5	0.13	0.06	0.8	19.1	250	17.2	*	250	Y
6724-0500050	1/2	0.500	12.7	0.815	20.7	0.17	0.08	1.5	38.1	250	17.2	*	50	N
6724-0500250	1/2	0.500	12.7	0.815	20.7	0.17	0.08	1.5	38.1	250	17.2	*	250	N
6724-0625050	5/8	0.625	15.9	0.940	23.9	0.24	0.11	1.8	44.5	250	17.2	*	50	N
6724-0625100	5/8	0.625	15.9	0.940	23.9	0.24	0.11	1.8	44.5	250	17.2	*	100	N
6724-0625250	5/8	0.625	15.9	0.940	23.9	0.24	0.11	1.8	44.5	250	17.2	*	250	N
6724-0750050	3/4	0.750	19.1	1.065	27.1	0.26	0.12	2.8	69.9	200	13.8	*	50	N
6724-0750100	3/4	0.750	19.1	1.065	27.1	0.26	0.12	2.8	69.9	200	13.8	*	100	N
6724-0875100	7/8	0.875	22.2	1.190	30.2	0.28	0.13	4.3	108.0	175	12.1	*	100	N
6724-1000050	1	1.000	25.4	1.339	34.0	0.34	0.15	5.0	127.0	175	12.1	*	50	N
6724-1000100	1	1.000	25.4	1.339	34.0	0.34	0.15	5.0	127.0	175	12.1	*	100	N

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.



Silicone Charge Air Cooler Hose / 4-Ply Hot Side

Series 6823

Series 6823 is a 4-ply silicone Charge Air Cooler (CAC) hose designed to connect and align segments of the air charge system of a heavy duty engine. The air charge system manages the flow of the cool/hot air between the turbocharger and the engine; the hot side CAC hose transfers hot air from the engine and also helps stabilize the system by compensating for vibrations. Series 6823 features a maximum temperature to +500°F (+260°C), while the red color is used for color-coding the hot side of the system.

Tube:	Brick red silicone
Reinforcement:	Multiple high temperature aramid plies with external stainless steel retaining rings
Cover:	Brick red silicone, matte finish
Temp. Range:	-65°F to +500°F (-53°C to +260°C)
Brand Method:	Black ink
Brand Example:	PARKER SERIES 6823 (DATE CODE) MADE IN USA
Max. Rec. WP:	1/3 of minimum burst pressure shown in table below
Industry Standards:	None applicable
Applications:	<ul style="list-style-type: none"> • Hot air connection between engine charge air system components • Buses, mobile/off-road equipment, trucks • Other equipment or vehicles with heating lines
Vacuum:	Not recommended
Packaging:	Cartons

Part Number 6823	Size (in)	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ ea)	Approx Wt (kgs/ ea)	Min Bend Rad (in)	Min Bend Rad (mm)	Min Burst Press (psi)	Min Burst Press (bar)	Perm Cplg Rec *	Std Pack Qty (ft)	Stock Status **
-30006000	3	3.00	76.2	4	3.22	81.8	0.37	0.17	n/a	n/a	80	5.5	n/a	6 x 6-in	Y
-300035006000	3 x 3-1/2	3.00 x 3.50	76.2 x 88.9	4	3.22 x 3.72	81.8 x 94.5	0.40	0.18	n/a	n/a	80	5.5	n/a	6 x 6-in	N
-35006000	3-1/2	3.50	88.9	4	3.72	94.5	0.43	0.20	n/a	n/a	80	5.5	n/a	6 x 6-in	Y
-40006000	4	4.00	101.6	4	4.22	107.2	0.55	0.25	n/a	n/a	80	5.5	n/a	6 x 6-in	Y
-40008000	4	4.00	101.6	4	4.22	107.2	0.74	0.34	n/a	n/a	80	5.5	n/a	6 x 8-in	Y

* n/a indicates not applicable

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.



Silicone Charge Air Cooler Hose / 4-Ply Cool Side

Series 6824

Series 6824 is a 4-ply silicone Charge Air Cooler (CAC) hose designed to connect and align segments of the air charge system of a heavy duty engine. The air charge system manages the flow of the cool/hot air between the turbocharger and the engine; the cool side CAC hose transfers cool air from the turbocharger to the engine, allowing it to operate more efficiently. The hose also helps stabilize the system by compensating for vibrations. Series 6824 features a maximum temperature to +350°F (+176°C), and the blue color is used for color-coding the cool side of the system.

Tube:	Brick red silicone
Reinforcement:	Multiple high temperature textile plies with external stainless steel retaining rings
Cover:	Blue silicone, matte finish
Temp. Range:	-65°F to +350°F (-53°C to +176°C)
Brand Method:	Black ink
Brand Example:	PARKER SERIES 6824 (DATE CODE) MADE IN USA
Max. Rec. WP:	1/3 of minimum burst pressure shown in table below
Industry Standards:	None Applicable
Applications:	<ul style="list-style-type: none"> • Cool connection between engine charge air system components • Buses, mobile/off-road equipment, trucks • Other equipment or vehicles with heating lines
Vacuum:	Not recommended
Packaging:	Cartons

Part Number	Size (in)	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ea)	Approx Wt (kgs/ea)	Min Bend Rad (in)	Min Bend Rad (mm)	Min Burst Press (psi)	Min Burst Press (bar)	Perm Cplg Rec *	Std Pack Qty (ea)	Stock Status **
6824-30006000	3	3.00	76.2	4	3.32	84.3	0.52	0.24	n/a	n/a	80	5.5	n/a	6 x 6-in	N
6824-35006000	3-1/2	3.50	88.9	4	3.82	97.0	0.61	0.28	n/a	n/a	80	5.5	n/a	6 x 6-in	N
6824-40006000	4	4.00	101.6	4	4.32	109.7	0.70	0.32	n/a	n/a	80	5.5	n/a	6 x 6-in	Y
6824-40008000	4	4.00	101.6	4	4.32	109.7	0.91	0.41	n/a	n/a	80	5.5	n/a	6 x 8-in	Y

* n/a indicates not applicable

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.



SUPER-FLEX® FL-7

Barrier Fuel Line Hose

CARB/SORE; EPA; SAE J30R7/30R14T2

Series 389

Series 389 is a fuel line/vapor emission hose for refined fuels such as biodiesel (to B20 in dedicated and non-dedicated service), diesel, ethanol and gasoline. The hose incorporates a THV barrier to resist permeation, multiple aramid plies of reinforcement for coupling retention, durability and kink resistance, and the cover is resistant to abrasion, oil and weathering. The hose is flexible for easy routing in and around small engines and small engine compartments. Series 389 surpasses all of the California Air Resource Board (CARB)/Small Off-Road Engine (SORE) and Environmental Protection Agency (EPA) stringent permeation requirements of 15g/m²/day. It also meets or exceeds SAE J30R7 and SAE J30R14T2 specifications, and is compatible with Parker SAE J2044 Push-to-Connect fittings.

NOTES: • Refer to the table on page 4 for fuel compatibility and service conditions.

- Do not use in marine fuel applications. Refer to Series 7165 in Catalog 4800.
- Available in customer-specified cut lengths. Contact Parker.

Tube: Black nitrile and translucent THV barrier
Reinforcement: Multiple aramid plies
Cover: Black CPE, smooth finish
Temp. Range: -40°F to + 257 °F (-40°C to +125°C)
Brand Method: White ink
Brand Example: PARKER SERIES 389 SUPER-FLEX® FL-7 (ID) SAE J30R7/R14T2 FUEL LINE (x)PKHPLINE389 EPA COMPLIANT 15 g/m²/day CARB Q-08-013 MAX WP 50 PSI USA (DATE CODE)

NOTE: (x) changes every year

Design Factor: 5:1
Industry Standards: CARB 2006 SORE, EPA, SAE J30R7, SAE J30R14T2,
Applications:

- Low pressure fuel lines on blowers, chainsaws, grinders, mowers, off-road engines, pressure washers
- Biodiesel (to B20 in dedicated and non-dedicated service), diesel, ethanol, gasoline
- Agricultural equipment, buses, construction equipment, off-road equipment

Vacuum: 24" Hg (3/16" through 3/8" ID); 10" Hg (1/2" through 3/4" ID)
Packaging: Reels

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
38903	3/16	4.8	2	0.406	10.3	0.06	0.03	1.3	33.0	50	3.4	55	250	Y
38904	1/4	6.4	2	0.500	12.7	0.09	0.04	1.5	38.1	50	3.4	HY	250	Y
38905	5/16	7.9	2	0.562	14.3	0.11	0.05	2.0	50.8	50	3.4	HY	250	Y
38906	3/8	9.8	2	0.625	15.8	0.12	0.05	2.5	63.5	50	3.4	HY	250	Y
38908	1/2	12.7	2	0.781	19.8	0.18	0.08	4.0	101.6	50	3.4	HY	250	Y
38910	5/8	15.9	2	0.938	23.9	0.24	0.11	5.0	127.0	35	2.4	*	250	Y
38912	3/4	19.1	2	1.125	28.6	0.35	0.16	6.0	152.4	35	2.4	*	250	N

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

SAE J2044 Couplings: Parker Quick Connect Safe Lock™ Couplings available from Parker Fluid System Connectors Division. See compatibility tables in Couplings section of this catalog.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.



SUPER-FLEX® FL

Barrier Fuel Line Hose

CARB/SORE; EPA; SAE J30R7/J30R14T2 Performance

Rated to 100 PSI and B100 Service

Series 397

Series 397 is a fuel line/vapor emission hose for refined fuels such as biodiesel (to B100 in dedicated and non-dedicated service), diesel, ethanol and gasoline. The hose incorporates a thermoplastic barrier to resist permeation and the cover is resistant to abrasion, oil and weathering. The hose is flexible for easy routing in and around small engines and small engine compartments. Series 397 surpasses all of the California Air Resource Board (CARB)/Small Off-Road Engine (SORE) and Environmental Protection Agency (EPA) stringent permeation requirements of 15g/m²/day, and provides SAE J30R7/30R14T2 performance.

NOTES: • Refer to the table on page 4 for fuel compatibility and service conditions.

- Do not use in marine fuel applications. Refer to Series 7165 in Catalog 4800.
- Available in customer-specified cut lengths. Contact Parker.

Tube: Black nitrile and translucent thermoplastic barrier
Reinforcement: One textile braid or multiple textile plies
Cover: Black CPE, smooth finish
Temp. Range: -30°F to +257°F (-34°C to +125°C)
Brand Method: White ink
Brand Example: PARKER SERIES 397 (P/N) SUPER-FLEX® FL (ID) LOW PERMEATION FUEL LINE CARB (x)PKHPLINE397 EPA COMPLIANT EPA COMPLIANT 15 g/m²/day C-U-06-010 MAX WP 100 PSI USA (DATE CODE)
NOTE: (x) changes every year

Design Factor: 5:1

Industry Standards: CARB 2006 SORE, EPA, SAE J30R7/J30R14T2 (Performance)

Applications:

- Low pressure fuel lines on blowers, chainsaws, grinders, mowers, off-road engines, pressure washers
- Biodiesel (to B100 in dedicated and non-dedicated service), diesel, ethanol, gasoline
- Agricultural equipment, buses, construction equipment, off-road equipment

Vacuum: 24" Hg (3/16" through 3/8" ID); 10" Hg (1/2" through 3/4" ID)
Packaging: Reels

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
39703	3/16	4.7	1	0.438	11.1	0.06	0.03	1.3	33.0	100	6.9	55	250	Y
39704	1/4	6.4	1	0.500	12.7	0.09	0.04	1.5	38.1	100	6.9	HY	250	Y
39705	5/16	7.9	1	0.562	14.2	0.11	0.05	2.0	50.8	100	6.9	HY	250	Y
39706	3/8	9.5	1	0.625	15.9	0.12	0.05	2.5	63.5	100	6.9	HY	250	Y
39708	1/2	12.7	1	0.828	17.7	0.18	0.08	4.0	101.6	100	6.9	HY	250	Y
39710	5/8	15.9	2	0.938	23.9	0.23	0.10	5.0	127.0	35	2.4	*	250	N
39712	3/4	19.1	2	1.125	28.6	0.33	0.15	6.0	152.4	35	2.4	*	250	N

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.



Fuel Line/Vapor Emission Hose

SAE J30R7

Series 395

Series 395 is a fuel line/vapor emission hose for refined fuels such as biodiesel (to B20 in dedicated and non-dedicated service), diesel, ethanol and gasoline. The hose is flexible for easy routing in and around small engines and small engine compartments, and the cover is resistant to abrasion, oil and weathering.

- NOTES:**
- Refer to the table on page 4 for fuel compatibility and service conditions.
 - Do not use in marine fuel applications. Refer to Series 7165 in Catalog 4800.
 - Available in customer-specified cut lengths. Contact Parker.

Tube:	Black nitrile
Reinforcement:	Multiple textile plies
Cover:	Black chloroprene; smooth finish
Temp. Range:	-40°F to +257 °F (-40°C to +125°C)
Brand Method:	White ink
Brand Example:	(ID) FUEL/VAPOR LINE SAE J30R7 (DATE CODE)
Design Factor:	5:1
Industry Standards:	SAE J30R7
Applications:	<ul style="list-style-type: none"> • Low pressure fuel lines, vapor emission service • Biodiesel (to B20 in dedicated and non-dedicated service), diesel, ethanol, gasoline • Agricultural equipment, buses, construction equipment, off-road equipment
Vacuum:	24" Hg (3/16" ID through 3/8" ID); 10" Hg (1/2" ID)
Packaging:	Spools, reels

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
39553	3/16	4.8	2	0.406	10.3	0.07	0.03	2.0	50.8	75	5.2	*	250	Y
39550	1/4	6.4	2	0.500	12.7	0.10	0.05	2.0	50.8	50	3.4	*	250	Y
39551	5/16	7.9	2	0.563	14.3	0.11	0.05	3.0	76.2	50	3.4	*	250	Y
39552	3/8	9.5	2	0.625	15.9	0.14	0.06	3.5	88.9	50	3.4	*	250	Y
39554	1/2	12.7	2	0.781	19.8	0.17	0.08	4.0	101.6	35	2.4	*	700	Y

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

SAE J2044 Couplings: Parker Quick Connect Safe Lock™ Couplings available from Parker Fluid System Connectors Division. See compatibility tables in Couplings section of this catalog.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.



E-Z FORM™ MP Multipurpose Oil Resistant Hose

Series 7219



Series 7219 is an extremely flexible, lightweight, low pressure oil suction/return hose, small bore vehicle fuel fill connector line and large bore fuel line for larger engines. Series 7219 is compatible with refined fuels such as biodiesel (to B20 in dedicated and non-dedicated service), diesel, ethanol and gasoline. The lightweight Greek corrugated hose construction incorporates a wire helix that provides full suction capability, superior kink resistance, minimal force-to-bend and a path to conduct a static electrical charge to ground. The unique Greek corrugations are tightly pitched and precision-engineered, providing extreme flexibility and kink resistance compared to the traditional rounded corrugation profile. The cover is resistant to oil and weathering. Series 7219 is capable of being routed through confined spaces where formed hose might normally be required.

NOTES:

- Do not use in fuel dispensing or service applications requiring API, NFPA, UL, ULC or any other agency approval or listing.
- Refer to the table on page 4 for fuel compatibility and service conditions.
- Do not drag across sharp edges or highly abrasive surfaces.
- For E-Z FORM™ high temperature multipurpose oil resistant hose, refer to Series 7399.
- For E-Z FORM™ coolant, vacuum and water hose, refer to Series 7395.
- Available in customer-specified cut lengths. Contact Parker.

Tube:	Black nitrile
Reinforcement:	Multiple textile plies with wire helix
Cover:	Black chloroprene; Greek corrugated finish
Temp. Range:	Sizes 1/2", 5/8", 3/4" and 1": -30° to +250°F (-34°C to +121°C) All other sizes: -20°F to +200°F (-29°C to +93°C)
Brand Method:	Black text on red stripe
Brand Example:	PARKER SERIES 7219 E-Z FORM™ MP HOSE 75 PSI MAX WP MADE IN USA (sizes 1/2", 5/8", 3/4" and 1")
Design Factor:	4:1
Industry Standards:	None applicable
Applications:	<ul style="list-style-type: none"> • Biodiesel (to B20 in dedicated and non-dedicated service), diesel, ethanol, gasoline, oil • Oil suction/return lines; vehicle fuel fill connector lines; drain lines • Buses, cranes, mobile off-road equipment
Vacuum:	29 in Hg (737 mm Hg)
Packaging:	Coils, reels

(Continued on the following page)

Series 7219 – E-Z FORM™ MP Multipurpose Oil Resistant Hose (Continued)

Part Number	ID (in)	ID (mm)	Nom ID (in)	Nom ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Min Bend Rad (in)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
7219-0500025	1/2	12.7	0.500	12.7	2	0.936	23.8	0.27	0.9	75	5.2	7661-TY	25	Y
7219-0500300													300	Y
7219-0625025	5/8	15.9	0.625	15.9	2	1.064	27.0	0.33	1.3	75	5.2	HY	25	Y
7219-0625300													300	Y
7219-0750025	3/4	19.1	0.750	19.1	2	1.180	30.0	0.35	1.4	75	5.2	HY	25	Y
7219-0750300													300	Y
7219-0875025	7/8	22.2	0.875	22.2	2	1.290	32.8	0.38	1.4	75	5.2	*	25	Y
7219-0875300													300	Y
7219-1000025	1	25.4	1.000	25.4	2	1.418	36.0	0.41	1.4	75	5.2	HY	25	Y
7219-1000300													300	Y
7219-1125025	1-1/8	28.6	1.102	28.0	2	1.496	38.0	0.42	1.8	75	5.2	*	25	Y
7219-1125130													130	N
7219-1250025	1-1/4	31.8	1.260	32.0	2	1.693	43.0	0.50	2.2	75	5.2	HY	25	Y
7219-1250130													130	N
7219-1375025	1-3/8	34.9	1.378	35.0	2	1.811	46.0	0.54	2.8	75	5.2	*	25	Y
7219-1375130													130	N
7219-1500025	1-1/2	38.1	1.496	38.0	2	1.929	49.0	0.58	2.9	75	5.2	43	25	Y
7219-1500130													130	Y
7219-1625025	1-5/8	41.3	1.654	40.0	2	2.087	53.0	0.64	3.6	75	5.2	*	25	N
7219-1625130													130	N
7219-1750025	1-3/4	44.5	1.772	42.0	2	2.205	56.0	0.68	4.0	75	5.2	*	25	Y
7219-1750130													130	N
7219-2000025	2	50.8	2.008	51.0	2	2.480	63.0	0.96	4.6	75	5.2	43	25	Y
7219-2000130													130	N
7219-2250025	2-1/4	57.1	2.283	58.0	2	2.756	70.0	1.08	6.5	75	5.2	*	25	Y
7219-2250130													130	N
7219-2375025	2-3/8	60.3	2.362	60.0	2	2.874	73.0	1.11	6.9	75	5.2	*	25	Y
7219-2375130													130	N
7219-2500025	2-1/2	63.5	2.500	63.5	2	3.012	76.5	1.17	7.2	75	5.2	*	25	Y
7219-2500130													130	N
7219-2750025	2-3/4	69.9	2.756	70.0	2	3.307	84.0	1.40	8.1	75	5.2	*	25	N
7219-2750130													130	N
7219-3000025	3	76.2	2.992	76.0	2	3.543	90.0	1.51	8.8	75	5.2	*	25	Y
7219-3000130													130	N
7219-3500025	3-1/2	88.9	3.543	90.0	2	4.094	104.0	1.92	11.7	75	5.2	*	25	Y
7219-3500130													130	Y
7219-4000025	4	101.6	4.016	102.0	2	4.567	116.0	2.20	13.4	75	5.2	*	25	Y
7219-4000130													130	N

* **Couplings:** Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.



E-Z FORM™ HT High Temperature Hose

Series 7399



Series 7399 is an extremely flexible, lightweight, high temperature (302°F / 150°C) petroleum-based oil suction/return hose designed to resist cracking and deterioration from the extreme heat generated by Tier IV engine compartments of buses, cranes, trucks and mobile/heavy-duty off-road equipment. Series 7399 may also be used in non-SAE power steering applications and is capable of being routed through confined spaces where formed hose might normally be required.

The lightweight Greek corrugated hose construction incorporates a wire helix that provides full suction capability, superior kink resistance and minimal force-to-bend. The unique corrugations are tightly pitched and precision-engineered, providing extreme flexibility compared to the traditional rounded corrugation profile. The cover is resistant to high temperature oil in high temperature environments.

- NOTES:**
- Do not drag across sharp edges or highly abrasive surfaces.
 - For E-Z FORM™ standard multipurpose oil resistant hose, refer to Series 7219.
 - For E-Z FORM™ coolant, vacuum and water hose, refer to Series 7395.
 - Available in customer-specified cut lengths. Contact Parker.

Tube:	Black CPE
Reinforcement:	Multiple textile braids with wire helix
Cover:	Black hydrogenated nitrile; Greek corrugated finish
Temp. Range:	-40°F to +302°F (-40°C to +150°C)
Brand Method:	Black text on yellow stripe
Brand Example:	PARKER SERIES 7399 E-Z FORM™ HT HOSE (ID) 150 PSI MAX WP MADE IN USA (LOT #)
Design Factor:	4:1
Industry Standards:	None applicable
Applications:	<ul style="list-style-type: none"> • Oil suction/return lines; non-SAE power steering lines • Drain lines • Buses, cranes, trucks, mobile/heavy-duty off-road equipment
Vacuum:	29 in Hg (737 mm Hg)
Packaging:	Coils, reels

Part Number	ID (in)	ID (mm)	Nom ID (in)	Nom ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Min Bend Rad (in)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
7399-0500025	1/2	12.7	0.500	12.7	2	0.936	23.8	0.27	0.9	75	5.2	7661-TY	25	Y
7399-0500300													300	Y
7399-0625025	5/8	15.9	0.625	15.9	2	1.064	27.0	0.33	1.3	75	5.2	HY	25	Y
7399-0625300													300	Y
7399-0750025	3/4	19.1	0.750	19.1	2	1.180	30.0	0.35	1.4	75	5.2	HY	25	Y
7399-0750300													300	Y
7399-0875025	7/8	22.2	0.875	22.2	2	1.290	32.8	0.38	1.4	75	5.2	*	25	Y
7399-0875300													300	Y
7399-1000025	1	25.4	1.000	25.4	2	1.418	36.0	0.41	1.4	75	5.2	HY	25	Y
7399-1000300													300	Y

* **Couplings:** Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.





GST® II General Service Hose

Series 7092 (Red) and Series 7093 (Black)

GST® II hose is a versatile general purpose hose designed to handle air, mild chemicals in agricultural sprayer applications and water. The hose construction incorporates a tube that is compatible with light oil mists found in air tool lubricating systems, and the multiple plies of textile reinforcement provide flexibility. The cover is resistant to abrasion, heat and ozone, and is available in multiple standard colors for color-coded identification.

NOTES:

- Do not with use with oil or refined fuel.
- Available in customer-specified cut lengths. Contact Parker.

Tube:	Black EPDM; ARPM Class C oil resistance
Reinforcement:	Multiple textile plies
Cover:	Red (7092) or Black (7093) EPDM; smooth finish
Temp. Range:	-40°F to +212°F (-40°C to +100°C)
Brand Method:	White ink
Brand Example:	PARKER (SERIES) GST® II (ID) XXX PSI MAX WP MADE IN USA (DATE CODE)

Design Factor: 4:1

Industry Standards: ARPM Class C oil resistant tube

Applications:

- Air (including oil mist), mild chemicals (ag sprayer), water
- Agriculture, construction, general industrial


Vacuum: Not recommended

Packaging: Reels, cartons

Other cover colors available:

7031(R) (Green) 

7057 (Blue) 

7096 (Yellow) 

(Continued on the following page)

Series 7092 & Series 7093 – GST® II General Service Air & Water Hose (Continued)

Part Number	Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft)***	7092 Stock Status **	7093 Stock Status **
7092-19200	7093-19200	3/16	4.8	2	0.437	11.1	0.07	0.03	2.0	50.8	200	13.8	*	800	N	Y
7092-19300	7093-19300	3/16	4.8	2	0.437	11.1	0.07	0.03	2.0	50.8	300	20.7	*	800	N	N
7092-25200	7093-25200	1/4	6.4	2	0.500	12.7	0.09	0.04	2.5	63.5	200	13.8	HY	800	Y	Y
7092-2520050	7093-2520050	1/4	6.4	2	0.500	12.7	0.09	0.04	2.5	63.5	200	13.8	HY	50	Y	N
7092-25250	7093-25250	1/4	6.4	2	0.508	12.9	0.10	0.05	3.0	76.2	250	17.2	HY	800	N	N
7092-25300	7093-25300	1/4	6.4	2	0.550	14.0	0.12	0.05	3.3	83.8	300	20.7	HY	800	Y	Y
7092-2530050	7093-2530050	1/4	6.4	2	0.550	14.0	0.12	0.05	3.3	83.8	300	20.7	HY	50	Y	N
7092-31200	7093-31200	5/16	7.9	2	0.594	15.1	0.12	0.05	3.3	83.8	200	13.8	HY	750	Y	Y
7092-31300	7093-31300	5/16	7.9	2	0.625	15.9	0.14	0.06	3.5	88.9	300	20.7	HY	750	Y	Y
7092-3130050	7093-3130050	5/16	7.9	2	0.625	15.9	0.14	0.06	3.5	88.9	300	20.7	HY	50	N	N
7092-38200	7093-38200	3/8	9.5	2	0.656	16.7	0.14	0.06	3.5	88.9	200	13.8	HY	700	Y	Y
7092-3820050	7093-3820050	3/8	9.5	2	0.656	16.7	0.14	0.06	3.5	88.9	200	13.8	HY	50	Y	N
7092-38250	7093-38250	3/8	9.5	2	0.656	16.7	0.14	0.06	4.0	101.6	250	17.2	HY	700	N	N
7092-38300	7093-38300	3/8	9.5	2	0.688	17.5	0.16	0.07	4.0	101.6	300	20.7	HY	700	Y	Y
7092-3830050	7093-3830050	3/8	9.5	2	0.688	17.5	0.16	0.07	4.0	101.6	300	20.7	HY	50	Y	N
7092-50200	7093-50200	1/2	12.7	2	0.813	20.7	0.20	0.09	4.5	114.3	200	13.8	HY	550	Y	Y
7092-5020050	7093-5020050	1/2	12.7	2	0.813	20.7	0.21	0.10	4.5	114.3	200	13.8	HY	50	Y	N
7092-50250	7093-50250	1/2	12.7	2	0.844	21.4	0.22	0.10	4.5	114.3	250	17.2	HY	550	Y	Y
7092-50254	7093-50254	1/2	12.7	4	0.860	21.8	0.23	0.10	5.0	127.0	250	17.2	HY	500	N	N
7092-50304	7093-50304	1/2	12.7	4	0.875	22.2	0.24	0.11	5.0	127.0	300	20.7	HY	500	Y	Y
7092-5030450	7093-5030450	1/2	12.7	4	0.875	22.2	0.24	0.11	5.0	127.0	300	20.7	HY	50	Y	N
7092-63200	7093-63200	5/8	15.9	2	0.969	24.6	0.24	0.11	5.5	139.7	200	13.8	HY	450	Y	Y
7092-6320050	7093-6320050	5/8	15.9	2	0.969	24.6	0.24	0.11	5.5	139.7	200	13.8	HY	50	Y	Y
7092-63254	7093-63254	5/8	15.9	4	1.030	26.2	0.32	0.15	6.0	152.4	250	17.2	HY	450	N	N
7092-63304	7093-63304	5/8	15.9	4	1.062	27.0	0.35	0.16	5.5	139.7	300	20.7	HY	450	Y	Y
7092-75200	7093-75200	3/4	19.1	2	1.109	28.2	0.32	0.15	6.0	152.4	200	13.8	HY	400	Y	Y
7092-7520050	7093-7520050	3/4	19.1	2	1.109	28.2	0.32	0.15	6.0	152.4	200	13.8	HY	50	Y	Y
7092-75254	7093-75254	3/4	19.1	4	1.156	29.4	0.37	0.17	6.0	152.4	250	17.2	HY	400	N	N
7092-7525450	7093-7525450	3/4	19.1	4	1.156	29.4	0.37	0.17	6.0	152.4	250	17.2	HY	50	N	N
7092-75304	7093-75304	3/4	19.1	4	1.156	29.4	0.37	0.17	6.0	152.4	300	20.7	HY	400	Y	Y
7092-7530450	7093-7530450	3/4	19.1	4	1.156	29.4	0.37	0.17	6.0	152.4	300	20.7	HY	50	Y	N
7092-100200	7093-100200	1	25.4	2	1.406	35.7	0.47	0.21	7.0	177.8	200	13.8	HY	300	Y	Y
7092-10020050	7093-10020050	1	25.4	2	1.406	35.7	0.47	0.21	7.0	177.8	200	13.8	HY	50	Y	Y
7092-100254	7093-100254	1	25.4	4	1.408	35.8	0.47	0.21	8.0	203.2	250	17.2	HY	300	N	N
7092-100304	7093-100304	1	25.4	4	1.438	36.5	0.51	0.23	8.0	203.2	300	20.7	HY	300	Y	Y
7092-10030450	7093-10030450	1	25.4	4	1.438	36.5	0.53	0.24	8.0	203.2	300	20.7	HY	50	Y	N
7092-125204	7093-125204	1-1/4	31.8	4	1.781	45.2	0.77	0.35	9.0	228.6	200	13.8	HY	250	Y	Y
7092-150204	7093-150204	1-1/2	38.1	4	2.031	51.6	0.84	0.38	10.0	254.0	200	13.8	43	200	Y	Y
7092-15020450	7093-15020450	1-1/2	38.1	4	2.031	51.6	0.84	0.38	10.0	254.0	200	13.8	43	50	Y	N
7092-150204100	7093-150204100	1-1/2	38.1	4	2.031	51.6	0.84	0.38	10.0	254.0	200	13.8	43	100	Y	N
7092-200154	7093-200154	2	50.8	4	2.550	64.8	1.13	0.51	14.0	355.6	200	13.8	43	250	Y	Y

Factory Assemblies: Air, Service Station Air, Jackhammer and Sledgehammer hose assemblies available from stock in popular configurations. Refer to Catalog 4800.

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.





JIFFY™

Push-On Multipurpose Oil Resistant Hose






MSHA

Series 7212

Series 7212 is a versatile multipurpose push-on hose designed to handle air, mild chemicals, water, oil, and refined fuels such as biodiesel (to B20 in dedicated service), diesel, ethanol and gasoline. The hose construction incorporates a silicone-free tube that does not contaminate air powered paint spray systems. The braided textile reinforcement is applied at a precise angle to provide kink resistance and superior coupling retention—push-on couplings do not require bands, clamps or special tools for installation. The flame resistant cover meets MSHA requirements, is resistant to oil and weathering, and is available in multiple standard colors for color-coded identification.

- NOTES:**
- Do not use for fuel dispensing or service applications requiring API, NFPA, UL, ULC or any other agency approval or listing.
 - Refer to the table on page 4 for fuel compatibility and service conditions.
 - Do not use in hot, dry air applications, impulsing applications, or vehicle fuel systems.
 - Do not use bands or clamps to attach push-on couplings.
 - Available in customer-specified cut lengths. Contact Parker.

Other cover colors available:

7212-BL	
7212-GN	
7212-GY	
7212-RD	
7212-YL	

Tube:	Black nitrile; ARPM Class A oil resistance
Reinforcement:	One textile braid
Cover:	Black, blue, gray, green, red or yellow chloroprene; smooth finish
Temp. Range:	-40°F to +212°F (-40°C to +100°C)
Brand Method:	White ink on black, blue and red hose; black ink on green, gray and yellow hose
Brand Example:	PARKER 7212 JIFFY™ HOSE PUSH-ON (ID) 300 PSI MAX WP MSHA # MADE IN USA B2 (DATE CODE)
Design Factor:	4:1
Industry Standards:	MSHA
Applications:	<ul style="list-style-type: none"> • Air, mild chemicals, oil, water; biodiesel (to B20 in dedicated service), diesel, ethanol, gasoline • Air operated paint systems, air tools, transfer lines, vacuum lines • Agriculture, construction, general industrial; automotive/factory color-coded assembly equipment
Vacuum:	1/4" to 1/2" @ 28" Hg; 5/8" to 3/4" @ 15" Hg
Packaging:	Reels

(Continued on the following page)

Series 7212 – JIFFY™ Push-On Multipurpose Oil Resistant Hose, MSHA (Continued)

Part Number	ID (in)	ID (mm)	Reinf Braids	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
7212-251BK	1/4	6.4	1	0.494	12.5	0.09	0.04	3.0	76.2	300	20.7	HY	700	Y
7212-251BL	1/4	6.4	1	0.494	12.5	0.09	0.04	3.0	76.2	300	20.7	HY	700	Y
7212-251GN	1/4	6.4	1	0.494	12.5	0.09	0.04	3.0	76.2	300	20.7	HY	700	Y
7212-251GY	1/4	6.4	1	0.494	12.5	0.09	0.04	3.0	76.2	300	20.7	HY	700	Y
7212-251RD	1/4	6.4	1	0.494	12.5	0.09	0.04	3.0	76.2	300	20.7	HY	700	Y
7212-381BK	3/8	9.5	1	0.617	15.7	0.12	0.05	3.0	76.2	300	20.7	HY	700	Y
7212-381BL	3/8	9.5	1	0.617	15.7	0.12	0.05	3.0	76.2	300	20.7	HY	700	Y
7212-381GN	3/8	9.5	1	0.617	15.7	0.12	0.05	3.0	76.2	300	20.7	HY	700	Y
7212-381GY	3/8	9.5	1	0.617	15.7	0.12	0.05	3.0	76.2	300	20.7	HY	700	Y
7212-381RD	3/8	9.5	1	0.617	15.7	0.12	0.05	3.0	76.2	300	20.7	HY	700	Y
7212-381YL	3/8	9.5	1	0.617	15.7	0.12	0.05	3.0	76.2	300	20.7	HY	700	Y
7212-501BK	1/2	12.7	1	0.750	19.1	0.15	0.07	5.0	127.0	300	20.7	HY	600	Y
7212-501BL	1/2	12.7	1	0.750	19.1	0.15	0.07	5.0	127.0	300	20.7	HY	600	Y
7212-501GN	1/2	12.7	1	0.750	19.1	0.15	0.07	5.0	127.0	300	20.7	HY	600	Y
7212-501GY	1/2	12.7	1	0.750	19.1	0.15	0.07	5.0	127.0	300	20.7	HY	600	Y
7212-501RD	1/2	12.7	1	0.750	19.1	0.15	0.07	5.0	127.0	300	20.7	HY	600	Y
7212-631BK	5/8	15.9	1	0.906	23.0	0.21	0.10	6.0	152.4	300	20.7	HY	500	Y
7212-631BL	5/8	15.9	1	0.906	23.0	0.21	0.10	6.0	152.4	300	20.7	HY	500	Y
7212-631GN	5/8	15.9	1	0.906	23.0	0.21	0.10	6.0	152.4	300	20.7	HY	500	N
7212-631GY	5/8	15.9	1	0.906	23.0	0.21	0.10	6.0	152.4	300	20.7	HY	500	N
7212-631RD	5/8	15.9	1	0.906	23.0	0.21	0.10	6.0	152.4	300	20.7	HY	500	Y
7212-750BK	3/4	19.1	1	1.091	27.7	0.30	0.14	7.0	177.8	300	20.7	HY	400	Y
7212-750BL	3/4	19.1	1	1.091	27.7	0.30	0.14	7.0	177.8	300	20.7	HY	400	Y
7212-750GN	3/4	19.1	1	1.091	27.7	0.30	0.14	7.0	177.8	300	20.7	HY	400	Y
7212-750GY	3/4	19.1	1	1.091	27.7	0.30	0.14	7.0	177.8	300	20.7	HY	400	Y
7212-750RD	3/4	19.1	1	1.091	27.7	0.30	0.14	7.0	177.8	300	20.7	HY	400	Y

Factory Cut Lengths: Blue and gray hose available from stock in 50-ft. coils. Contact Parker.

* **Permanent Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.
Reattachable Couplings: Parker Series 82 Push-Lok® couplings.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.





TRANSLITE® Tank Truck Hose

Series 7216E

Series 7216E is a lightweight suction and discharge hose designed to handle oil and refined fuels such as biodiesel (to B20 in dedicated service), diesel, ethanol and gasoline. The hose construction incorporates a wire helix that provides full suction capability, kink resistance, and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, oil and weathering.

NOTES: • Refer to the table on page 4 for fuel compatibility and service conditions.

• Available in customer-specified cut lengths. Contact Parker.

Tube:	Black nitrile
Reinforcement:	Multiple textile plies with dual wire helix
Cover:	Black synthetic rubber; wrapped finish
Temp. Range:	-35°F to +180°F (-37°C to +82°C)
Brand Method:	Black text on orange stripe
Brand Example:	PARKER SERIES 7216E TANK TRUCK HOSE 150 PSI MAX WP
Industry Standards:	None applicable
Applications:	<ul style="list-style-type: none"> • Biodiesel (to B20 in dedicated service), diesel, ethanol, gasoline, oil • In-plant and storage tank transfer • Delivery, transport
Vacuum:	29 in Hg (737 mm Hg)
Packaging:	Coils

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
7216E-1002	1	25.4	2	1.300	33.0	0.47	0.21	3.0	76.2	150	10.3	43	100	Y
7216E-1252	1-1/4	38.1	2	1.690	42.4	0.65	0.29	4.0	102.0	150	10.3	43	100	Y
7216E-1502	1-1/2	38.1	2	2.000	49.8	0.92	0.42	5.0	127.0	150	10.3	43	100	Y
7216E-2002	2	50.8	2	2.500	63.8	1.10	0.50	6.0	152.4	150	10.3	43	100	Y
7216E-2502	2-1/2	63.5	2	3.000	76.9	1.55	0.70	7.0	177.8	150	10.3	*	100	Y
7216E-3002	3	76.2	2	3.660	93.0	2.08	0.94	8.0	203.2	150	10.3	*	100	Y
7216E-4002	4	102.0	2	4.650	117.5	2.80	1.27	11.0	279.4	150	10.3	*	100	Y

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.



GREEN LABEL™

Corrugated Tank Truck Hose

Series 7705

Series 7705 is a flexible, medium pressure suction and discharge hose designed to handle oil and refined fuels such as biodiesel (to B100 in dedicated and non-dedicated service), diesel, ethanol and gasoline. The corrugated hose construction incorporates a dual wire helix that provides full suction capability, flexibility, kink resistance, and a path to conduct a static electrical charge to ground. The nitrile/PVC cover is resistant to abrasion, oil and weathering, and is available in 200-foot continuous lengths.

NOTES:

- Refer to the table on page 4 for fuel compatibility and service conditions.
- Available in customer-specified cut lengths. Contact Parker.

Tube:	Black nitrile
Reinforcement:	Multiple textile plies with dual wire helix
Cover:	Black nitrile/PVC; corrugated wrapped finish
Temp. Range:	-20°F to +180°F (-29°C to +82°C)
Brand Method:	Black text on green stripe
Brand Example:	PARKER SERIES 7705 GREEN LABEL™ TANK TRUCK HOSE XXX PSI MAX WP MADE IN USA
Design Factor:	4:1
Industry Standards:	None applicable
Applications:	<ul style="list-style-type: none"> • Biodiesel (to B100 in dedicated and non-dedicated service), diesel, ethanol, gasoline, oil • In-plant and storage tank transfer • Delivery, transport
Vacuum:	29 in Hg (737 mm Hg)
Packaging:	Coils

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
7705-1000	1	25.4	2	1.437	36.5	0.55	0.25	2.0	50.8	200	13.8	43	100	Y
7705-1250	1-1/4	31.8	2	1.693	43.0	0.70	0.32	2.5	63.5	200	13.8	*	100	Y
7705-1500	1-1/2	38.1	2	1.969	50.0	0.83	0.38	3.0	76.2	200	13.8	43	100	Y
7705-2000	2	50.8	2	2.440	62.8	1.00	0.45	4.0	101.6	200	13.8	43	100	Y
7705-2500	2-1/2	63.5	2	2.953	75.0	1.37	0.62	5.0	127.0	200	13.8	*	100	Y
7705-3000	3	76.2	2	3.488	88.6	1.75	0.79	5.0	127.0	200	13.8	*	100	Y
7705-4000	4	101.6	2	4.527	115.0	2.33	1.06	6.0	152.4	150	10.3	*	100	Y

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.



MPW-1000®

High Pressure Wire Braid Multipurpose Hose

Series 7204

Series 7204 is an extremely versatile hose designed to handle air, mild chemicals, oil, refined fuels such as biodiesel (to B20 in dedicated and non-dedicated service), diesel, ethanol and gasoline and water. The hose construction incorporates a premium grade tube especially suited for high temperature materials such as hot asphalt, glue, oil, tar and wax to 300°F continuous/350°F intermittent (149°C/177°C). The high tensile wire braid reinforcement provides durability, kink resistance, high pressure capability and superior coupling retention, and the cover is resistant to heat, oil and weathering.

NOTES: • Refer to the table on page 4 for fuel compatibility and service conditions.

- Do not use for fuel dispensing or service applications requiring API, NFPA, UL, ULC or any other agency approval or listing.

Tube:	Black nitrile
Reinforcement:	One wire braid
Cover:	Black chloroprene; perforated wrapped finish
Temp. Range:	-20°F to +300°F (-29°C to +149°C) / 350°F (177°C) intermittent
Brand Method:	Embossed
Brand Example:	PARKER SERIES 7204 - MPW XXX PSI MAX WP (DATE CODE) MADE IN USA
Design Factor:	4:1
Industry Standards:	None applicable
Applications:	<ul style="list-style-type: none"> • Air, mild chemicals, oil, water; hot asphalt, glue, oil, tar and wax; biodiesel (to B20 in dedicated and non-dedicated service), diesel, ethanol, gasoline • High pressure washdown; cleaning containment vessels and manufacturing equipment • General industrial, manufacturing and processing plants, refineries
Vacuum:	Not recommended
Packaging:	Reels

Part Number	ID (in)	ID (mm)	Reinf Braids	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (psi)	Perm Cplg Rec *	Std Pack Qty (ft)	Stock Status **
7204-501	1/2	12.7	1	0.906	23.0	0.34	0.15	7.0	177.8	1000	68.9	43	500	N
7204-751	3/4	19.1	1	1.187	30.1	0.52	0.24	10.0	254.0	1000	68.9	43	500	Y
7204-1001	1	25.4	1	1.500	38.1	0.75	0.34	12.0	304.8	1000	68.9	43	500	Y

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.



Hot Tar & Asphalt Hose

Series SW387

Series SW387 is a suction and discharge hose for high temperature materials such as hot asphalt, glue, oil, tar and wax to 300°F continuous/350°F intermittent (149°C/177°C). The hose construction incorporates a dual wire helix that provides full suction capability, kink resistance and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, heat, oil and weathering.

NOTE: For other hot tar and asphalt hoses, refer to Series 7204.

Tube:	Black nitrile; ARPM Class A oil resistance
Reinforcement:	Multiple textile plies with dual wire helix
Cover:	Black nitrile; ARPM Class A oil resistance; wrapped finish
Temp. Range:	-40°F to +350°F (-40°C to +177°C)
Brand Method:	Black text on red stripe
Brand Example:	PARKER SERIES SW387 HOT TAR & ASPHALT XXX PSI WP MADE IN USA
Design Factor:	4:1
Industry Standards:	None applicable
Applications:	<ul style="list-style-type: none"> • Hot asphalt, glue, oil, tar • In-plant and storage tank transfer • Delivery, transport applicator trucks
Vacuum:	29 in Hg (737 mm Hg)
Packaging:	Coils

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft)	Stock Status **
SW387-1500	1-1/2	38.1	2	2.125	54.0	0.98	0.44	6.0	152.4	150	10.3	43	100	Y
SW387-2000	2	50.8	2	2.625	66.7	1.43	0.65	8.0	203.2	150	10.3	43	100	Y
SW387-2500	2-1/2	63.5	2	3.375	85.7	1.84	0.83	10.0	254.0	150	10.3	*	100	N
SW387-3000	3	76.2	2	3.750	95.3	2.42	1.10	12.0	304.8	150	10.3	*	100	Y
SW387-4000	4	101.6	2	4.813	122.2	3.60	1.63	18.0	457.2	150	10.3	*	Y	Y

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

⚠ WARNING! Do not use for continuous service at 350°F. Do not use above 350°F for any service or any duration. Using above the recommended service duration or temperature may lead to premature hose failure and property damage, personal injury or death.



LP Gas Hose UL21, CGA Type I

Series 7132

Series 7132 is a flexible, lightweight liquefied petroleum gas (LPG)/propane delivery and transfer hose. The construction incorporates multiple textile plies of reinforcement for flexibility and kink resistance. The perforated cover is resistant to mild chemicals, oil and ozone.

Series 7132 and DOT: LPG hose assemblies installed on on-road vehicles must meet Department of Transportation (DOT) requirements.

Series 7132 and Natural Gas: Series 7132 may be used for natural gas service, but ONLY under ALL of the following conditions:

- The application must be in a well-ventilated environment: Outdoors, or indoors with significant continuous air movement.
- Do not use Series 7132 to replace fixed/rigid pipe where that material is more appropriate due to reduced permeation and overall strength and durability.

Series 7132 and Compressed Natural Gas (CNG): Do not use Series 7132 for CNG engine applications in on-road vehicles, or for high pressure CNG dispenser/transfer applications (typically 2900 psi or greater). In other applications—where CNG is regulated to pressures within the rating of Series 7132—apply the guidelines for natural gas applications stated above. Always review and adhere to all applicable government and industry regulations and standards prior to installing this hose in a CNG or natural gas application.

Tube:	Black nitrile
Reinforcement:	Multiple textile plies
Cover:	Black chloroprene; perforated smooth finish
Temp. Range:	-40°F to +180°F (-40°C to +82°C) (The hose construction is capable of this rating, but LP Gas should NEVER be conveyed over 140°F/60°C)
Brand Method:	Impression
Brand Example:	PARKER SERIES 7132 (ID) CSA® CAN 1-8.1 CGA TYPE I CAUTION - LP GAS HOSE MH6737 C U#® US ISSUE NO. XXXXXX 350 PSI MAX WP MADE IN USA (DATE CODE)
Design Factor:	5:1
Industry Standards:	UL21; CAN/CGA-8.1-M86 Type I
Vacuum:	Not recommended
Packaging:	Reels

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft)	Stock Status **
7132-19352	3/16	4.8	2	0.510	13.0	0.11	0.05	2.0	50.8	350	24.1	*	800	N
7132-25354	1/4	6.4	4	0.610	15.5	0.15	0.07	2.5	63.5	350	24.1	7661	750	Y
7132-38354	3/8	9.5	4	0.760	19.1	0.22	0.10	3.5	88.9	350	24.1	HY	600	Y
7132-50354	1/2	12.7	4	0.937	23.8	0.32	0.15	4.5	114.3	350	24.1	7661	500	Y
7132-75354	3/4	19.1	4	1.250	31.8	0.50	0.23	6.5	165.1	350	24.1	HY	350	Y
7132-100354	1	25.4	4	1.500	38.1	0.63	0.29	7.5	190.5	350	24.1	7661	300	Y

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.



LP Gas Hose UL21, CGA Type I

Series 7232

Series 7232 is a large diameter, flexible liquefied petroleum gas (LPG)/propane transfer hose for large volume bulk loading/unloading and vibration-resistant onboard vehicle connections. The hose meets all Underwriters Laboratories (UL21) and Canadian Gas Association (CGA) Type I requirements. The construction incorporates multiple braids or plies of textile reinforcement for kink resistance and superior coupling retention. The perforated cover is resistant to mild chemicals, oil and ozone.

Series 7232 and DOT: LPG hose assemblies installed on on-road vehicles must meet Department of Transportation (DOT) requirements.

Series 7232 and Natural Gas: Series 7232 may be used for natural gas service, but ONLY under ALL of the following conditions:

- The application must be in a well-ventilated environment: Outdoors, or indoors with significant continuous air movement.
- Series 7232 is not to replace fixed/rigid pipe where that material is more appropriate due to reduced permeation and overall strength and durability. Use rigid pipe, non-permeable tubing or hose with barrier constructions to convey natural gas whenever possible.

Series 7232 and Compressed Natural Gas (CNG): Do not use Series 7232 for CNG engine applications in on-road vehicles, or for high pressure CNG dispenser/transfer applications (typically 2900 psi or greater). In other applications—where CNG is regulated to pressures within the rating of Series 7232—apply the guidelines for natural gas applications stated above. Always review and adhere to all applicable government and industry regulations and standards prior to installing this hose in a CNG or natural gas application.

Tube:	Black nitrile
Reinforcement:	Multiple textile braids or plies
Cover:	Black chloroprene; perforated wrapped finish
Temp. Range:	-40°F to +180°F (-40°C to +82°C) (The hose construction is capable of this rating, but LP Gas should NEVER be conveyed over 140°F/60°C)
Brand Method:	Side one: Embossed; Side two: Black text on yellow stripe
Brand Example:	Side one (Embossed): PARKER SERIES 7232 CGA TYPE I CAUTION - LP GAS HOSE MH6737 C U [®] US ISSUE NO. XXXX 350 PSI MAX WP MADE IN USA (DATE CODE) Side two (Stripe): PARKER LP GAS HOSE
Design Factor:	5:1
Industry Standards:	UL21; CAN/CGA-8.1-M86 Type I
Vacuum:	Not recommended
Packaging:	Cartons, coils, reels

Part Number	ID (in)	ID (mm)	Reinf Braids/Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft)	Stock Status **
7232-1252	1-1/4	31.8	2	1.815	46.1	0.85	0.39	12.0	304.8	350	24.1	HY	300	Y
7232-1252100	1-1/4	31.8	2	1.815	46.1	0.85	0.39	12.0	304.8	350	24.1	HY	100	Y
7232-1503K	1-1/2	38.1	2	2.156	54.8	1.12	0.51	14.0	355.6	350	24.1	43	150	Y
7232-2003	2	50.8	4	2.750	69.9	1.90	0.90	16.0	406.4	350	24.1	7661	100	Y

* **Couplings:** Refer to CrimpSource[®] at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.





SUPER-FLEX® EPDM Water Suction Hose

Series 7392E

Series 7392E is a lightweight suction and discharge hose designed to handle alkalies, brine, glycols, herbicides, mild chemicals, slurries and water. The hose construction incorporates a wire helix that provides full suction capability and kink resistance. The EPDM cover is resistant to abrasion, heat, mild chemicals and weathering.

NOTE: Available in customer-specified cut lengths. Contact Parker.

Tube:	Black EPDM
Reinforcement:	Multiple textile plies with wire helix
Cover:	Black EPDM; wrapped finish
Temp. Range:	-40°F to +180°F (-40°C to +82°C)
Brand Method:	White text on blue stripe
Brand Example:	PARKER SERIES 7392E WATER SUCTION HOSE – XXX PSI MAX WP
Industry Standards:	None applicable
Applications:	<ul style="list-style-type: none"> Alkalies, brine, glycols, herbicides, mild chemicals, slurries, water Agriculture, construction, general industrial, irrigation, surface mining
Vacuum:	29 in Hg (737 mm Hg)
Packaging:	Coils

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
7392E-1500	1-1/2	38.1	2	1.890	48.0	0.72	0.33	6.0	152.4	150	10.3	*	100	Y
7392E-2000	2	50.8	2	2.440	62.0	1.08	0.49	7.0	177.8	150	10.3	*	100	Y
7392E-2500	2-1/2	63.5	2	2.950	74.9	1.45	0.66	8.0	203.2	150	10.3	*	100	Y
7392E-3000	3	76.2	2	3.500	88.9	1.80	0.82	10.0	254.0	150	10.3	*	100	Y
7392E-4000	4	107.0	2	4.530	115.1	2.43	1.10	22.0	558.8	150	10.3	*	100	Y
7392E-6000	6	152.4	4	6.570	166.9	4.16	1.89	30.0	762.0	100	6.9	*	100	Y

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.



HURRICANE™

Pressure Washer Hose

Series 7258

Series 7258 is a flexible, high pressure, high temperature pressure washer hose for hot water and mild chemicals. The hose construction incorporates a high tensile wire braid reinforcement that provides durability, kink resistance and superior coupling retention. Both cover colors are resistant to oil and weathering.

NOTE: Do not use for carpet cleaning or steam service.

Tube:	Black chloroprene
Reinforcement:	One wire braid
Cover:	Black (BK) chloroprene, wrapped finish; Blue (BL) chloroprene; perforated wrapped finish
Temp. Range:	-40°F to +250°F (-40°C to +121°C)
Brand Method:	White ink
Brand Example:	PARKER SERIES 7258 HURRICANE™ 3000 PSI MAX WP MADE IN USA (DATE CODE)
Design Factor:	4:1 (1/2" @ 3.5:1)
Industry Standards:	None applicable
Applications:	<ul style="list-style-type: none"> • Hot water, mild chemicals • Agriculture, construction, general industrial, oil field, shipyards
Vacuum:	Not recommended
Packaging:	Reels

Part Number	ID (in)	ID (mm)	Reinf Braids	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft)	Stock Status **
7258-250BK	1/4	6.4	1	0.500	12.7	0.14	0.06	1.5	38.1	3000	206.8	HY, 43	500	Y
7258-380BK	3/8	9.5	1	0.625	15.7	0.19	0.09	2.0	50.8	3000	206.8	HY, 43	500	Y
7258-501BK	1/2	12.7	1	0.745	18.9	0.23	0.10	3.0	76.2	2500	172.4	HY, 43	500	N
7258-250BL	1/4	6.4	1	0.500	12.7	0.14	0.06	1.5	38.1	3000	206.8	43	500	Y
7258-380BL	3/8	9.5	1	0.625	15.7	0.19	0.09	2.0	50.8	3000	206.8	43	500	Y

Factory Assemblies: Available from stock in popular configurations. Refer to the following page.

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

⚠ WARNING! Couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the NAHAD Industrial Hose Assembly Guidelines.

HURRICANE™

Pressure Washer Hose – Factory Assemblies

Series 7258BK (Black) and 7258BL (Blue)

Temp Range: -40°F to +250°F (-40°C to +121°C)
Design Factor: 4:1
Couplings: Crimped-on Carbon Steel Rigid Male x Swivel Male
 Black PVC Bend Restrictors Each End
Packaging: Coiled and Tied, No Center Disc
 Cartons

NOTE: Refer to previous page for bulk hose information.



Series 7258BK (Black)

Part Number	ID (in)	Length (ft)	Approx Wt (lbs/ea)	Max Rec WP (psi)	Fitting 1 Part Number	Thread Size (in)	Fitting 2 Part Number	Thread Size (in)	Std Pack Qty (ea)	Stock Status **
725825BKRS-600	1/4	50	7.25	3000	101HY-4-4	1/4 - 18	113HY-4-4	1/4 - 18	5	Y
725838BKRS-600	3/8	50	9.85	3000	10143-6-6	3/8 - 18	11343-6-6	3/8 - 18	5	Y

**** Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

Series 7258BL (Blue)

Part Number	ID (in)	Length (ft)	Approx Wt (lbs/ea)	Max Rec WP (psi)	Fitting 1 Part Number	Thread Size (in)	Fitting 2 Part Number	Thread Size (in)	Std Pack Qty (ea)	Stock Status **
725825BLRS-600	1/4	50	7.25	3000	101HY-4-4	1/4 - 18	113HY-4-4	1/4 - 18	5	Y
725838BLRS-600	3/8	50	9.85	3000	10143-6-6	3/8 - 18	11343-6-6	3/8 - 18	5	Y

**** Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

Contractor's Water Hose Factory Assemblies

Series 7055 and Series 7093

Temp Range: -40°F to +180°F (-40°C to +82°C)
Design Factor: 4:1
Couplings: Crimped-on Brass, Male x Female Garden Hose Thread Couplings
Packaging: Coiled and Tied, No Center Disc Cartons



Series 7055

Series 7055

Part Number	ID (in)	ID (mm)	Length (ft)	Length (mtrs)	Approx Wt (lbs/ea)	Approx Wt (kg/ea)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ea)	Stock Status **
7055GHT63-300	5/8	15.9	25	7.62	4.91	2.23	100	7.0	10	Y
7055GHT63-600	5/8	15.9	50	15.24	9.32	4.23	100	7.0	5	Y
7055GHT75-300	3/4	19.1	25	7.62	7.23	3.28	100	7.0	6	Y
7055GHT75-600	3/4	19.1	50	15.24	13.87	6.29	100	7.0	3	Y
7055GHT100-600	1	25.4	50	15.24	23.69	10.75	100	7.0	2	N

** Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

Series 7093

Part Number	ID (in)	ID (mm)	Length (ft)	Length (mtrs)	Approx Wt (lbs/ea)	Approx Wt (kg/ea)	Max Rec WP (psi)	Max Rec WP (bar)	Std Pack Qty (ea)	Stock Status **
7093BCWGH-600	3/4	19.1	50	15.24	16.21	7.35	200	13.8	3	N
7093-75200CW	3/4	19.1	Bulk	n/a	0.31/ft	0.14	200	13.8	350	N

** Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.



NEXCLEAR® Clear PVC Tubing

Series 100

Series 100 is a flexible PVC tubing for light air and water applications. The tubing features a smooth interior that is abrasion resistant and allows full flow. The clear PVC construction permits visual observation of materials being conveyed. Series 100 also provides excellent general industrial service for low pressure air, distilled water, drain, laboratory, light vacuum and wire harness applications.

NOTE: Available in customer-specified cut lengths. Contact Parker.

Tube:	Clear PVC, 75A durometer
Temp. Range:	+25°F to +150°F (-5°C to +65°C) Working pressures are at +68°F (+20°C). Higher temperatures reduce the available working pressure. See the PVC and Thermoplastic Temperature/Pressure chart on page 58.
Brand Method:	Black ink
Brand Example:	NEXCLEAR® PVC TUBING BY PARKER NEXGEN® (P/N) (ID) X (OD) MAX TEMP 150°F (65C) CANADA (DATE CODE)
Industry Standards:	<ul style="list-style-type: none"> • RoHS Compliant, US Government A-A-52047 Type VI Compliant
Applications:	<ul style="list-style-type: none"> • Air, drain, light vacuum, water, wire harness • General industrial, laboratories
Vacuum:	Light
Packaging:	Coils

⚠ WARNING! Working pressures are at +68°F (+20°C). Higher temperatures reduce the available working pressure. See the PVC and Thermoplastic Temperature/Pressure chart on page 58.

(Continued on the following page)

Series 100 – NEXCLEAR® Clear PVC Tubing (Continued)

Part Number	ID (in)	ID (mm)	Wall (in)	Wall (mm)	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	△ Max Rec WP @ 68°F (psi)	△ Max Rec WP @ 20°C (bar)	Std Pack Qty (ft) ***	Stock Status ** (USA)
100-01020502	1/16	1.6	0.031	0.8	1/8	3.2	0.02	0.01	50	3.4	500	N
100-02040102	1/8	3.2	0.062	1.6	1/4	6.4	0.02	0.01	65	4.5	100	Y
100-03040102	3/16	4.8	0.032	0.8	1/4	6.4	0.02	0.01	50	3.4	100	N
100-03050102	3/16	4.8	0.062	1.6	5/16	7.9	0.02	0.01	55	3.8	100	Y
100-03060102	3/16	4.8	0.094	2.4	3/8	9.5	0.04	0.02	60	4.1	100	N
100-04060102	1/4	6.4	0.062	1.6	3/8	9.5	0.04	0.02	55	3.8	100	Y
100-04070102	1/4	6.4	0.094	2.4	7/16	11.1	0.04	0.02	58	4.0	100	N
100-04080102	1/4	6.4	0.125	3.2	1/2	12.7	0.09	0.04	60	4.1	100	Y
100-05070102	5/16	7.9	0.062	1.6	7/16	11.1	0.04	0.02	50	3.4	100	Y
100-05080102	5/16	7.9	0.094	2.4	1/2	12.7	0.07	0.03	55	3.8	100	Y
100-05090102	5/16	7.9	0.125	3.2	9/16	14.3	0.09	0.04	60	4.1	100	N
100-06080102	3/8	9.5	0.062	1.6	1/2	12.7	0.04	0.02	45	3.1	100	Y
100-06090102	3/8	9.5	0.094	2.4	9/16	14.3	0.07	0.03	50	3.4	100	N
100-06100102	3/8	9.5	0.125	3.2	5/8	15.9	0.11	0.05	55	3.8	100	Y
100-07090102	7/16	11.1	0.062	1.6	9/16	14.3	0.04	0.02	35	2.4	100	N
100-08100102	1/2	12.7	0.062	1.6	5/8	15.9	0.07	0.03	30	2.1	100	Y
100-08110102	1/2	12.7	0.094	2.4	11/16	17.5	0.09	0.04	40	2.8	100	N
100-08120102	1/2	12.7	0.125	3.2	3/4	19.1	0.13	0.06	45	3.1	100	Y
100-10120102	5/8	15.9	0.062	1.6	3/4	19.1	0.07	0.03	25	1.7	100	Y
100-10130102	5/8	15.9	0.094	2.4	13/16	20.6	0.11	0.05	35	2.4	100	N
100-10140102	5/8	15.9	0.125	3.2	7/8	22.2	0.15	0.07	40	2.8	100	N
100-12160100	3/4	19.1	0.125	3.2	1	25.4	0.18	0.08	35	2.4	100	Y
100-12180100	3/4	19.1	0.187	4.7	1-1/8	28.6	0.29	0.13	40	2.8	100	N
100-12200100	3/4	19.1	0.250	6.4	1-1/4	31.8	0.42	0.19	45	3.1	100	N
100-14180100	7/8	22.2	0.125	3.2	1-1/8	28.6	0.20	0.09	30	2.1	100	N
100-16200100	1	25.4	0.125	3.2	1-1/4	31.8	0.24	0.11	25	1.7	100	Y
100-16220100	1	25.4	0.187	4.7	1-3/8	34.9	0.37	0.17	30	2.1	100	N
100-16240100	1	25.4	0.250	6.4	1-1/2	38.1	0.53	0.24	35	2.4	100	N
100-20240100	1-1/4	31.8	0.125	3.2	1-1/2	38.1	0.29	0.13	20	1.4	100	N
100-20280100	1-1/4	31.8	0.250	6.4	1-3/4	44.5	0.62	0.28	40	2.8	100	N
100-24300100	1-1/2	38.1	0.187	4.7	1-7/8	47.6	0.53	0.24	30	2.1	100	N
100-24320100	1-1/2	38.1	0.250	6.4	2	50.8	0.73	0.33	35	2.4	100	Y
100-32400100	2	50.8	0.250	6.4	2-1/2	63.5	0.93	0.42	30	2.1	100	N

** Stock: "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.





THORO-BRAID®

Clear PVC Hose

Series 7581

Series 7581 is a flexible PVC general industrial transfer hose for dry abrasive materials, light duty air, flexible conduit and water service. The hose features a smooth tube that is abrasion resistant and allows full flow. The clear PVC construction permits visual observation of materials being conveyed.

NOTE: Available in customer-specified cut lengths. Contact Parker.

Tube:	Clear PVC
Reinforcement:	Multiple textile plies
Cover:	Blue tint PVC; smooth finish
Temp. Range:	-5°F to +170°F (-20°C to +76°C) Working pressures are at 68°F (20°C). Higher temperatures reduce the available working pressure. See the PVC and Thermoplastic Temperature/Pressure chart on page 58.
Brand Method:	Not branded
Design Factor:	3:1
Applications:	<ul style="list-style-type: none"> • Dry abrasive materials • Air, flexible conduit, light vacuum, water, wire harness
Vacuum:	Not recommended
Packaging:	Coils

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	△ Max Rec WP @ 68°F (psi)	△ Max Rec WP @ 20°C (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
7581-251	1/4	6.4	2	0.433	11.0	0.06	0.03	1.2	30.5	285	19.7	*	300	Y
7581-381	3/8	9.5	2	0.630	16.0	0.11	0.05	2.0	50.8	240	16.6	*	300	Y
7581-501	1/2	12.7	2	0.787	20.0	0.13	0.06	2.4	61.0	215	14.8	*	300	Y
7581-631	5/8	15.9	2	0.866	22.0	0.18	0.08	3.2	81.3	190	13.1	*	300	Y
7581-751	3/4	19.1	2	1.024	26.0	0.22	0.10	4.0	101.6	185	12.8	*	300	Y
7581-1001	1	25.4	2	1.299	33.0	0.32	0.15	5.5	139.7	145	10.0	*	300	Y
7581-1251	1-1/4	31.8	2	1.614	41.0	0.45	0.20	7.1	180.3	95	6.6	*	100	Y
7581-1501	1-1/2	38.1	2	1.890	48.0	0.60	0.27	10.0	254.0	70	4.8	*	100	Y
7581-2001	2	50.8	2	2.441	62.0	0.91	0.41	11.8	299.7	70	4.8	*	100	Y

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.

⚠ WARNING! Working pressures are at +68°F (+20°C). Higher temperatures reduce the available working pressure. See the PVC and Thermoplastic Temperature/Pressure chart on page 58.



Dry Ice Blasting Silicone Hose

Nonconductive

Series 6635

Series 6635 silicone hose features an extremely low temperature construction for applications such as dry ice blasting. Dry ice is transferred at temperatures to -110°F (-79°C) in place of sand or other abrasives in surface cleaning/preparation applications. The durable, low temperature, softwall construction is crack-resistant, lightweight and flexible to -121°F (-85°C), and is manufactured on 130-foot mandrels—providing the longest and most flexible continuous hose lengths in the industry—for tight dimensional tolerances and maximum inventory utilization.

NOTE: Available in customer-specified cut lengths. Contact Parker.

Tube:	Low temperature brick red silicone
Reinforcement:	Multiple extreme temperature textile plies
Cover:	Low temperature brick red silicone, matte finish
Temp. Range:	-121°F to +392°F (-85°C to +200°C)
Brand Method:	Black text on yellow stripe
Brand Example:	PARKER SILICONE SERIES 6635 -121°F to +392°F (DATE CODE) (MFG CODE)
Max. Rec. WP:	1/3 of minimum burst pressure shown in table below
Applications:	<ul style="list-style-type: none"> • Dry ice blasting and transfer • Construction, general industrial
Vacuum:	Not recommended
Packaging:	Coils

Part Number	Size (in)	ID (in)	ID (mm)	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Burst Press (psi)	Min Burst Press (bar)	Perm Cplg Rec *	Std Pack Qty (ft) ***	Stock Status **
6635-0750130	3/4	0.748	19.1	1.181	30.0	0.30	0.14	570	39.3	*	130	N
6635-1000130	1	0.984	25.4	1.457	37.0	0.44	0.20	430	29.7	*	130	N

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

*** Available in customer-specified cut lengths. Contact Parker Customer Service.



SOFT-FLEX™ DEF Fill & Transfer Hose

Series 7116M

Series 7116M is designed to fill or transfer diesel exhaust fluid (DEF) into the on-board selective catalytic reduction (SCR) system of buses, heavy trucks and off-road vehicles used in agricultural, construction and material handling applications. The hose construction incorporates a specially formulated EPDM tube and multiple plies of textile reinforcement for flexibility and kink resistance. The EPDM cover is resistant to abrasion, mild chemicals and ozone.

NOTES:

- To avoid DEF contamination, use only hose designed for the application, and stainless steel couplings to fabricate hose assemblies.
- Do not use for oil or fuel service.

Tube:	Black EPDM, peroxide cured
Reinforcement:	Multiple textile plies
Cover:	Black EPDM; smooth finish
Temp. Range:	-40°F to +212°F (-40°C to +100°C)
Brand Method:	White ink
Brand Example:	PARKER SERIES 7116M DEF SOFT-FLEX™ (ID) MAX WP 150 PSI MADE IN USA (DATE CODE)
Design Factor:	4:1
Industry Standards:	ISO 22241-2
Applications:	<ul style="list-style-type: none"> • DEF fluids, urea • Dispensing for buses, trucks, mobile equipment • Agriculture, construction, transportation
Vacuum:	Not recommended
Packaging:	Reels

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft)	Stock Status **
7116M-380	3/8	9.5	2	0.656	16.7	0.13	0.06	4.0	101.6	150	10.3	*	700	N
7116M-500	1/2	12.7	4	0.893	22.7	0.24	0.11	5.0	127.0	150	10.3	*	550	N
7116M-750	3/4	19.1	4	1.156	29.4	0.34	0.15	6.0	152.4	150	10.3	HBL-C	400	Y
7116M-1000	1	25.4	4	1.429	36.3	0.46	0.21	8.0	203.2	150	10.3	*	300	N

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.



TITANFLEX®

UHMWPE Chemical Hose

Approved for DEF Fill & Suction/Transfer

Series SWC693

Series SWC693 is an extremely flexible, high pressure, high temperature suction and discharge hose designed to handle approximately 98% of commonly used acids, chemicals and solvents including DEF. The ultra high molecular weight polyethylene (UHMWPE) tube will not leach into and contaminate the product being conveyed. The lightweight corrugated hose construction incorporates a dual wire helix that provides full suction capability, superior kink resistance, minimal force-to bend and a path to conduct a static electrical charge to ground. The cover is resistant to abrasion, mild chemicals and ozone.

NOTE: Refer to the Safety and Technical section of Catalog 4800 for safety, handling and use information. Refer to the Chemical Guide section of Catalog 4800 to determine compatibility with specific chemicals. Contact Parker for additional chemical compatibility information.

Tube:	Translucent ultra high molecular weight polyethylene (UHMWPE)
Reinforcement:	Multiple textile plies with dual wire helix
Cover:	Green EPDM; corrugated wrapped finish
Temp. Range:	-40°F to +250°F (-40°C to +121°C)
Brand Method:	Black text on yellow stripe
Brand Example:	PARKER SERIES SWC693 TITANFLEX® UHMWPE CHEMICAL SUCTION HOSE XXX PSI MADE IN USA
Design Factor:	4:1
Applications:	<ul style="list-style-type: none"> • Acids, chemicals, DEF, solvents • In-plant and tank transfer, delivery, transport
Vacuum:	29 in Hg (737 mm Hg)
Packaging:	Coils

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kgs/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft)	Stock Status **
SWC693-1000	1	25.4	2	1.375	34.9	0.38	0.17	1.0	25.4	250	17.2	HAPS	100	Y
SWC693-1250	1-1/4	31.8	2	1.625	41.3	0.48	0.22	1.3	33.0	250	17.2	*	100	N
SWC693-1500	1-1/2	38.1	2	1.875	47.8	0.62	0.28	1.5	38.1	250	17.2	HAPS	100	N
SWC693-2000	2	50.8	2	2.438	61.9	0.93	0.42	2.0	50.8	250	17.2	HAPS	100	Y
SWC693-3000	3	76.2	2	3.438	87.3	1.45	0.66	4.5	114.3	200	13.8	*	100	Y
SWC693-4000	4	101.6	2	4.500	114.3	2.17	0.98	8.0	203.2	200	13.8	*	100	Y

* **Couplings:** Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

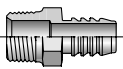
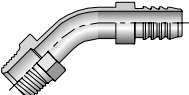
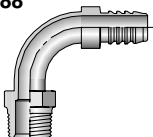
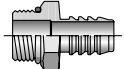
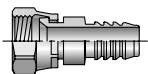
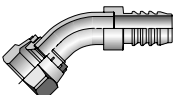
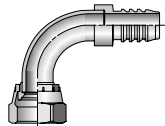
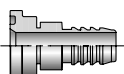
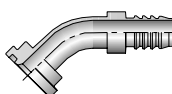
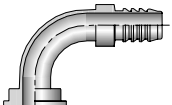
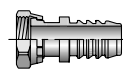
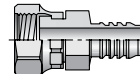
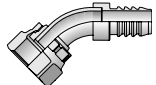
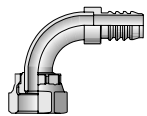
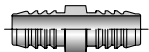


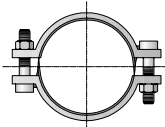

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

⚠ WARNINGS!

- It is the responsibility of the user to determine if the hose is suitable for the application. Most chemical resistance guides are based on temperatures of 70°F (21°C). Elevated temperatures can change the chemical resistance ratings. Many chemicals will become more aggressive as temperatures increase, reducing the ability of hose compounds to withstand them. Contact Parker for chemical compatibility data at elevated temperatures. If no data exists, users are required to perform compatibility testing at the desired temperature.
- At operating temperatures of 125°F and above, only permanently attached couplings should be installed.

Field Attachable (Reusable) No-Skive Couplings – Carbon Steel

Series 88

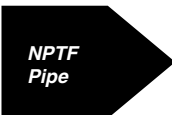
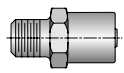

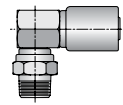
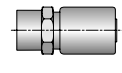

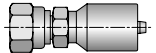

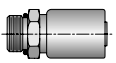
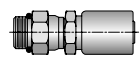
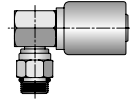

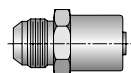
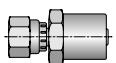
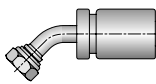
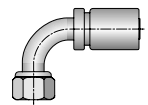
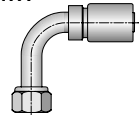
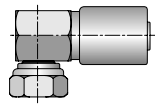

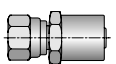
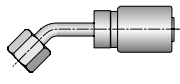
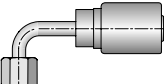

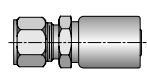

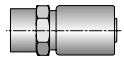

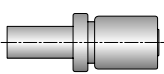

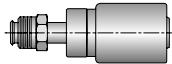
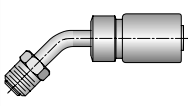
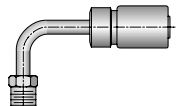
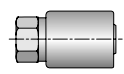

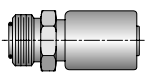
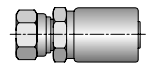
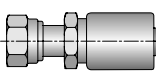
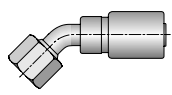
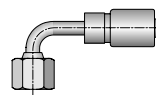
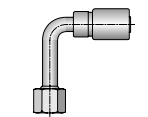

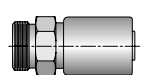
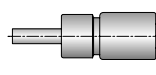

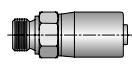
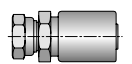
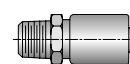
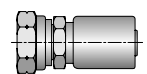
NPTF Pipe	0188  <i>Male - Rigid</i>	3188  <i>Male - Rigid 45° Elbow</i>	2188  <i>Male - Rigid 90° Elbow</i>	Straight Thread	0588  <i>Male - Rigid</i>
JIC 37°	0688  <i>Female - Swivel</i>	3788  <i>Female - Swivel</i>	3988  <i>Female - Swivel</i>	Flange	1588  <i>Flange Heads</i>
1788  <i>45° Elbow</i>	1988  <i>90° Elbow</i>	Seal-Lok® O-Ring Face Seal	JS88  <i>Female - Swivel Long</i>	JC88  <i>Female - Swivel Short</i>	J788  <i>Female - Swivel 45° Elbow</i>
J988  <i>Female - Swivel 90° Elbow</i>	Union	8888  <i>Union</i>	81 Series Crimp Shell	81 Series consists of a 10081 crimp shell and is completed by adding any 88 Series fittings.	
Hose Clamp	88HC  <i>Hose Clamp</i>	88HC-H  <i>Hose-Clamp</i>	88DB  <i>Heavy Duty Clamp</i>		10081  <i>81 Series Crimp Shell</i>

Series 88 Couplings are available from Parker Hose Products Division (HPD).

Contact HPD:
Phone: 440-943-5700
Fax: 440-943-3129, or visit
www.parker.com/hpd.

Crimp Couplings – Carbon Steel Compression

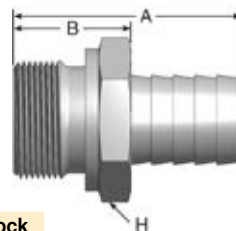
Series HY

 NPTF Pipe	 101HY <i>Male - Rigid</i>	 113HY <i>Male - Swivel</i>	 11LHY <i>Male - Swivel 90° Elbow</i>	 102HY <i>Female - Rigid</i>	 NPSM Pipe
 107HY <i>Female - Swivel (60° Cone)</i>	 Straight Thread	 105HY <i>Male - Rigid</i>	 10GHY <i>Male - Swivel</i>	 10LHY <i>Swivel - Swivel 90° Elbow</i>	 JIC 37°
 103HY <i>Male - Rigid</i>	 106HY <i>Female - Swivel</i>	 137HY <i>Female - Swivel 45° Elbow - Short</i>	 139HY <i>Female - Swivel 90° Elbow - Short</i>	 141HY <i>Female - Swivel 90° Elbow - Long</i>	 193HY <i>Female - Swivel 90° Elbow - Block</i>
 SAE 45°	 108HY <i>Female - Swivel</i>	 177HY <i>Female - Swivel 45° Elbow</i>	 179HY <i>Female - Swivel 90° Elbow</i>	 Flareless	 111HY <i>Male - Rigid</i>
 Grease Connection	 1GJHY <i>Female - Rigid</i>	 Standpipe	 134HY <i>Male Standpipe Rigid</i>	 Inverted Flare	 128HY <i>Male - Swivel</i>
 167HY <i>Male - Swivel 45° Elbow</i>	 169HY <i>Male - Swivel 90° Elbow</i>	 129HY <i>Female - Rigid</i>	 Seal-Lok® (O-Ring Face Seal)	 1J0HY <i>Male - Rigid w/O-Ring</i>	 1JCHY <i>Female - Swivel Short</i>
 1JSHY <i>Female - Swivel Long</i>	 1J7HY <i>Female - Swivel 45° Elbow</i>	 1J9HY <i>Female - Swivel 90° Elbow - Short</i>	 1J1HY <i>Female - Swivel 90° Elbow - Long</i>	 Metric L & S	 1D0HY <i>Male - Rigid</i>
 13DHY <i>Male Standpipe Rigid</i>	 BSP	 1D9HY <i>Male - Rigid</i>	 1GUHY <i>Female - Swivel</i>	 1UTHY <i>Male - Rigid</i>	 1XUHY <i>Female - Metric Swivel</i>

Series HY Couplings are available from Parker Hose Products Division (HPD). See contact information on page 49.

Series HBL-C

Male BSPP w/Seal – Straight Rigid



Part Number	Hose ID (in)	Thread ID (in)	Thread Dash Size	Dimensions					Std Pack Qty (per carton)	Approx Wt Per Ctn (lbs)	Stock Status **
				A (in)	A (mm)	H (in)	B (in)	B (mm)			
S1D00NMHBL-12-12C	3/4	3/4x14	-12	2.00	51	1-1/4	1.03	26	25	4.36	Y

**** Stock:** “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change.

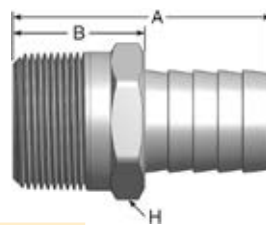
Contact Parker Customer Service.

Material: 304 stainless steel

NOTE: Requires SMCP24631 or SMCP24633 ferrules.

Series HBL-C

Male NPTF Pipe – Straight Rigid



Part Number	Hose ID (in)	Thread ID (in)	Thread Dash Size	Dimensions					Std Pack Qty (per carton)	Approx Wt Per Ctn (lbs)	Stock Status **
				A (in)	A (mm)	H (in)	B (in)	B (mm)			
S125HBL-12-12C	3/4	3/4x14	-12	1.98	50	1-1/16	1.01	26	25	4.36	Y

**** Stock:** “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change.

Contact Parker Customer Service.

Material: 304 stainless steel

NOTE: Requires SMCP24633 ferrules.

Series SMCP

Ferrule



Part Number	Hose ID (in)	Ferrule LG (in)	Ferrule ID (in)	Ferrule ID (mm)	Std Pack Qty (per carton)	Approx Wt Per Ctn (lbs)	Stock Status **
SMCP24633	3/4	1.200	0.843	21.4	25	2.50	Y

**** Stock:** “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change.




Contact Parker Customer Service.

Material: Nickel plated brass

Couplings: Refer to CrimpSource® at www.safehose.com for coupling recommendations and crimp specifications.

Series TB

01TB Male NPTF Pipe – Rigid

Part Number** (Available from HPD*)	 Thread (in)	 Hose ID (in)	A		 H (in)	B	
			(in)	(mm)		(in)	(mm)
01TB-4-6	1/4x18	3/8	2.09	53	5/8	0.96	24
01TB-6-8	3/8x18	1/2	2.12	54	3/4	0.96	24
01TB-8-10	1/2x14	5/8	2.31	59	7/8	1.15	29
01TB-8-12	1/2x14	3/4	2.31	59	1	1.15	29
01TB-12-12	3/4x14	3/4	2.31	54	1-1/8	1.15	24
01TB-16-16	1x11-1/2	1	2.69	68	1-3/8	1.53	39
01TB-20-20	1-1/4x11-1/2	1-1/4	2.84	72	1-3/4	1.34	34
01TB-24-24	1-1/2x11-1/2	1-1/2	3.25	83	2	1.50	38
01TB-32-32	2x11-1/2	2	3.53	90	2-5/8	1.78	45

* HPD is the Parker Hose Products Division.

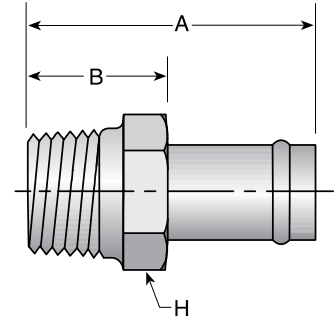
** Series TB Couplings require clamps.

Contact HPD:

Phone: 440-943-5700




Fax: 440-943-3129, or visit

www.parker.com/hpd.



Series TB

05TB Male SAE Straight Thread with O-Ring – Rigid

Part Number** (Available from HPD*)	 Thread (in)	 Hose ID (in)	A		 H (in)	B	
			(in)	(mm)		(in)	(mm)
05TB-6-6	9/16x18	3/8	1.94	49	11/16	0.69	18
05TB-8-8	3/4x16	1/2	2.00	51	7/8	0.75	19
05TB-8-10	3/4x16	5/8	2.00	51	7/8	0.75	19
05TB-10-10	7/8x14	5/8	2.06	52	1	0.81	21
05TB-12-12	1-1/16x12	3/4	2.25	57	1-1/4	1.00	25
05TB-16-16	1-5/16x12	1	2.38	60	1-1/2	1.00	25
05TB-20-20	1-5/8x12	1-1/4	2.50	64	1-7/8	1.00	25

* HPD is the Parker Hose Products Division.

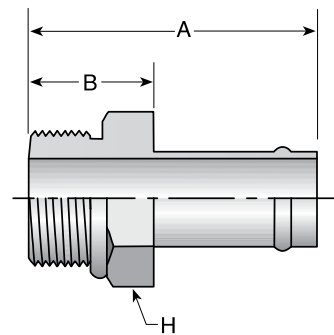
** Series TB Couplings require clamps.

Contact HPD:

Phone: 440-943-5700

Fax: 440-943-3129, or visit

www.parker.com/hpd.



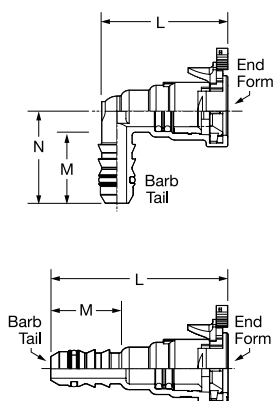


SAE J2044 Safe Lock™ Composite Fittings

The Safe Lock push-to-connect design reduces hose assembly fabrication time and the exclusive locking mechanism minimizes leaks and installation failures.

Construction:	Lightweight, durable, high temperature composite body with additional retaining lock. Conductive (except 5/8" size)
Seal Materials (one each):	Fluorocarbon and Fluorosilicone
Pressure Range:	-7.2 psi to +72 psi (-0.50 bar to +5.0 bar)
Temperature Range:	-40°F to +239°F (-40°C to +115°C)
Media:	Coolant, fuel
Industry Standard:	SAE J2044

(See SAE J2044 Quick Connect Fittings and Engine Hose Compatibility tables on the following page)



End Form	Barb Tail	Configuration	Part Number** <i>Available from FSC*</i>	L (mm)	M (mm)	N (mm)
5/16"	5/16"	Straight	A614A50G06 02	49.40	19.50	n/a
		90 degree	A624A50D06 02	29.50	19.50	25.70
10mm	3/8"	Straight	A613 52 08 00	55.00	19.00	n/a
		90 degree	A623A52 08 00	34.40	19.00	32.00
3/8"	3/8"	Straight	A614M53 08 02	55.00	21.50	n/a
		90 degree	A624M53 08 02	34.05	21.50	28.60
12mm	1/2"	Straight	A614A58 55 04	59.35	21.00	n/a
		90 degree	A624A58 55 04	39.00	21.00	29.70
1/2"	1/2"	Straight	A614C56 55 05	59.15	21.00	n/a
		90 degree	A624C56 55 05	39.00	21.00	29.70
5/8"	5/8"	Straight	A614D57 56 02	58.20	20.00	n/a
		90 degree	A624F57 56 02	39.10	20.00	30.10

* FSC is the Parker Fluid System Connectors Division.

** Safe Lock Connector part numbers contain spaces.

Contact FSC at Phone: 269-692-6555

Fax: 269-694-4614 or visit www.parker.com/fsc.



Stepless® One-Ear Pinch Clamps Series PC

Pinch ear clamps are constructed of lightweight corrosion resistant stainless steel. The clamps provide uniform surface compression around the circumference of the hose, compensating for varying hose tolerances and thermal expansion. (For best results, install with Oetiker® Manual Closing Tool #14100082.)

Part Number	Hose OD Range (in)	Hose OD Range (mm)	Band Width (mm)	Band Thickness (mm)	Ear Width Inside (mm)	Std Pack Qty (ea)
PC04-0016	0.52 - 0.62	13.2 - 15.7	7	0.6	8	100
PC05-2495	0.56 - 0.65	14.1 - 16.6	7	0.6	8	100
PC06-0110	0.63 - 0.76	16.0 - 19.2	7	0.6	10	100
PC06-2498	0.65 - 0.78	16.6 - 19.8	7	0.6	10	100
PC08-0026	0.76 - 0.89	19.4 - 22.6	7	0.6	10	100
PC08-0028	0.80 - 0.93	20.3 - 23.5	7	0.6	10	100
PC10-0031	0.88 - 1.01	22.4 - 25.6	7	0.6	10	100

SAE J2044 Quick Connect Fittings and Engine Hose Compatibility

Series 389 Super-Flex® FL-7 Barrier Fuel Line Hose

SAE J30R7 Hose			Safe Lock™ Connectors					Clamps
Part Number Available from IHP*	Hose ID (in)	Nom Hose ID (mm)	End Form	Barb Tail	Configuration	Part Number** Available from FSC*	Lock Color	Part Number Available from IHP*
38905	5/16	7.9	5/16"	5/16"	Straight 90 degree	A614A50G06 02 A624A50D06 02	Green	PC04-0016
38906	3/8	9.5	10mm††	3/8"	Straight 90 degree	A613 52 08 00 A623A52 08 00	White	PC06-0110
38906	3/8	9.5	3/8"	3/8"	Straight 90 degree	A614M53 08 02 A624M53 08 02	Green	PC06-0110
38908	1/2	12.7	12mm	1/2"	Straight 90 degree	A614A58 55 04 A624A58 55 04	Blue	PC08-0026
38908	1/2	12.7	1/2"	1/2"	Straight 90 degree	A614C56 55 05 A624C56 55 05	Yellow	PC08-0026
38910	5/8	15.9	5/8"	5/8"	Straight 90 degree	A614D57 56 02† A624F57 56 02†	Green	PC10-0031

† Safe Lock fittings in the 5/8" size are NOT conductive. The user must determine if the 5/8" fitting is suitable for fuel applications.

†† Not available in Safe Lock design; available only in single lock.

Series 395 Fuel Line/Vapor Emission Hose

SAE J30R7 Hose			Safe Lock™ Connectors					Clamps
Part Number Available from IHP*	Hose ID (in)	Nom Hose ID (mm)	End Form	Barb Tail	Configuration	Part Number** Available from FSC*	Lock Color	Part Number Available from IHP*
39551	5/16	7.9	5/16"	5/16"	Straight 90 degree	A614A50G06 02 A624A50D06 02	Green	PC04-0016
39552	3/8	9.5	10mm††	3/8"	Straight 90 degree	A613 52 08 00 A623A52 08 00	White	PC06-0110
39552	3/8	9.5	3/8"	3/8"	Straight 90 degree	A614M53 08 02 A624M53 08 02	Green	PC06-0110
39554	1/2	12.7	12mm	1/2"	Straight 90 degree	A614A58 55 04 A624A58 55 04	Blue	PC08-0026
39554	1/2	12.7	1/2"	1/2"	Straight 90 degree	A614C56 55 05 A624C56 55 05	Yellow	PC08-0026

†† Not available in Safe Lock design; available only in single lock.

Series 7181 Coolant/Heater Hose

SAE 20R3EC D-2 Hose			Safe Lock™ Connectors					Clamps
Part Number Available from IHP*	Hose ID (in)	Nom Hose ID (mm)	End Form	Barb Tail	Configuration	Part Number** Available from FSC*	Lock Color	Part Number Available from IHP*
7181-311	5/16	7.9	5/16"	5/16"	Straight 90 degree	A614A50G06 02 A624A50D06 02	Green	PC05-2495
7181-381	3/8	9.5	10mm††	3/8"	Straight 90 degree	A613 52 08 00 A623A52 08 00	White	PC06-2498
7181-381	3/8	9.5	3/8"	3/8"	Straight 90 degree	A614M53 08 02 A624M53 08 02	Green	PC06-2498
7181-501	1/2	12.7	12mm	1/2"	Straight 90 degree	A614A58 55 04 A624A58 55 04	Blue	PC08-0028
7181-501	1/2	12.7	1/2"	1/2"	Straight 90 degree	A614C56 55 05 A624C56 55 05	Yellow	PC08-0028
7181-631	5/8	15.9	5/8"	5/8"	Straight 90 degree	A614D57 56 02† A624F57 56 02†	Green	PC10-0031

† Safe Lock fittings in the 5/8" size are NOT conductive.

†† Not available in Safe Lock design; available only in single lock.

* IHP is the Parker Industrial Hose Products Division. FSC is the Parker Fluid System Connectors Division. See contact info on previous page.

** Safe Lock Connector part numbers contain spaces.





Parker Safety Guide for Selecting and Using Hose, Tubing, Fittings and Related Accessories

Parker Publication No. 4400-B.1

Revised: November, 2007

WARNING: Failure or improper selection or improper use of hose, tubing, fittings, assemblies or related accessories ("Products") can cause death, personal injury and property damage. Possible consequences of failure or improper selection or improper use of these Products include but are not limited to:

- Fittings thrown off at high speed.
- High velocity fluid discharge.
- Explosion or burning of the conveyed fluid.
- Electrocutation from high voltage electric powerlines.
- Contact with suddenly moving or falling objects that are controlled by the conveyed fluid.
- Injections by high-pressure fluid discharge.
- Dangerously whipping Hose.
- Contact with conveyed fluids that may be hot, cold, toxic or otherwise injurious.
- Sparking or explosion caused by static electricity buildup or other sources of electricity.
- Sparking or explosion while spraying paint or flammable liquids.
- Injuries resulting from inhalation, ingestion or exposure to fluids.

Before selecting or using any of these Products, it is important that you read and follow the instructions below. Only Hose from Parker's Stratoflex Products Division is approved for in-flight aerospace applications.

1.0 GENERAL INSTRUCTIONS

- 1.1 Scope:** This safety guide provides instructions for selecting and using (including assembling, installing, and maintaining) these Products. For convenience, all rubber and/or thermoplastic products commonly called "hose" or "tubing" are called "Hose" in this safety guide. All assemblies made with Hose are called "Hose Assemblies". All products commonly called "fittings", "couplings" or "adapters" are called "Fittings". All related accessories (including crimping and swaging machines and tooling) are called "Related Accessories". This safety guide is a supplement to and is to be used with the specific Parker publications for the specific Hose, Fittings and Related Accessories that are being considered for use. Parker publications are available at www.parker.com. SAE J1273 (www.sae.org) and ISO 17165-2 (www.ansi.org) also provide recommended practices for hydraulic Hose Assemblies.
- 1.2 Fail-Safe:** Hose, Hose Assemblies and Fittings can and do fail without warning for many reasons. Design all systems and equipment in a fail-safe mode, so that failure of the Hose, Hose Assembly or Fitting will not endanger persons or property.
- 1.3 Distribution:** Provide a copy of this safety guide to each person responsible for selecting or using Hose and Fitting products. Do not select or use Parker Hose or Fittings without thoroughly reading and understanding this safety guide as well as the specific Parker publications for the Products.
- 1.4 User Responsibility:** Due to the wide variety of operating conditions and applications for Hose and Fittings, Parker does not represent or warrant that any particular Hose or Fitting is suitable for any specific end use system. This safety guide does not analyze all technical parameters that must be considered in selecting a product. The user, through its own analysis and testing, is solely responsible for:
- Making the final selection of the Products.
 - Assuring that the user's requirements are met and that the application presents no health or safety hazards.
 - Providing all appropriate health and safety warnings on the equipment on which the Products are used.
 - Assuring compliance with all applicable government and industry standards.
- 1.5 Additional Questions:** Call the appropriate Parker technical service department if you have any questions or require any additional information. See the Parker publication for the Products being considered or used, or call 1-800-CPARKER, or go to www.parker.com, for telephone numbers of the appropriate technical service department.

2.0 HOSE AND FITTINGS SELECTION INSTRUCTIONS

- 2.1 Electrical Conductivity:** Certain applications require that the Hose be nonconductive to prevent electrical current flow. Other applications require the Hose and the Fittings and the Hose/Fitting interface to be sufficiently conductive to drain off static electricity. Extreme care must be exercised when selecting Hose and Fittings for these or any other applications in which electrical conductivity or nonconductivity is a factor.

The electrical conductivity or nonconductivity of Hose and Fittings is dependent upon many factors and may be susceptible to change. These factors include but are not limited to the various materials used to make the Hose and the Fittings, Fitting finish (some Fitting finishes are electrically conductive while others are nonconductive), manufacturing methods (including moisture control), how the Fittings contact the Hose, age and amount of deterioration or damage or other changes, moisture content of the Hose at any particular time, and other factors.

The following are considerations for electrically nonconductive and conductive Hose. For other applications consult the individual catalog pages and the appropriate industry or regulatory standards for proper selection.

- 2.1.1 Electrically Nonconductive Hose:** Certain applications require that the Hose be nonconductive to prevent electrical current flow or to maintain electrical isolation. For applications that require Hose to be electrically nonconductive, including but not limited to applications near high voltage electric lines, only special nonconductive Hose can be used. The manufacturer of the equipment in which the nonconductive Hose is to be used must be consulted to be certain that the Hose and Fittings that are selected are proper for the application. Do not use any Parker Hose or Fittings for any such application requiring nonconductive Hose, including but not limited to applications near high voltage electric lines, unless (i) the application is expressly approved in the Parker technical publication for the product, (ii) the Hose is marked "nonconductive", and (iii) the manufacturer of the equipment on which the Hose is to be used specifically approves the particular Parker Hose and Fittings for such use.

- 2.1.2 Electrically Conductive Hose:** Parker manufactures special Hose for certain applications that require electrically conductive Hose.

Parker manufactures special Hose for conveying paint in airless paint spraying applications. This Hose is labeled "Electrically Conductive Airless Paint Spray Hose" on its layline and packaging. This Hose must be properly connected to the appropriate Parker Fittings and properly grounded in order to dissipate dangerous static charge buildup, which occurs in all airless paint spraying applications. Do not use any other Hose for airless paint spraying, even if electrically conductive. Use of any other Hose or failure to properly connect the Hose can cause a fire or an explosion resulting in death, personal injury, and property damage.

Parker manufactures a special Hose for certain compressed natural gas ("CNG") applications where static electricity buildup may occur. Parker CNG Hose assemblies comply with the requirements of ANSI/IAS NGV 4.2-1999; CSA 12.52-M99, "Hoses for Natural Gas Vehicles and Dispensing Systems" (www.ansi.org). This Hose is labeled "Electrically Conductive for CNG Use" on its layline and packaging. This Hose must be properly connected to the appropriate Parker Fittings and properly grounded in order to dissipate dangerous static charge buildup, which occurs in, for example, high velocity CNG dispensing or transfer. Do not use any other Hose for CNG applications where static charge buildup may occur, even if electrically conductive. Use of other Hoses in CNG applications or failure to properly connect or ground this Hose can cause a fire or an explosion resulting in death, personal injury, and property damage. Care must also be taken to protect against CNG permeation through the Hose wall. See section 2.6, Permeation, for more information. Parker CNG Hose is intended for dispenser and vehicle use at a maximum temperature of 180°F (82°C). Parker CNG Hose should not be used in confined spaces or unventilated areas or areas exceeding 180°F (82°C). Final assemblies must be tested for leaks. CNG Hose Assemblies should be tested on a monthly basis for conductivity per ANSI/IAS NGV 4.2-1999; CSA 12.52-M99.

Parker manufactures special Hose for aerospace in-flight applications. Aerospace in-flight applications employing Hose to transmit fuel, lubricating fluids and hydraulic fluids require a special Hose with a conductive inner tube. This Hose for in-flight applications is available only from Parker's Stratoflex Products Division. Do not use any other Parker Hose for in-flight applications, even if electrically conductive. Use of other Hoses for in-flight applications or failure to properly connect or ground this Hose can cause a fire or an explosion resulting in death, personal injury and property damage. These Hose assemblies for in-flight applications must meet all applicable aerospace industry, aircraft engine and aircraft requirements.

- 2.2 Pressure:** Hose selection must be made so that the published maximum working pressure of the Hose and Fittings are equal to or greater than the maximum system pressure. The maximum working pressure of a Hose Assembly is the lower of the respective published maximum working pressures of the Hose and the Fittings used. Surge pressures or peak transient pressures

Parker Industrial Hose Customer Service

866 810 HOSE (4673) 800 242 HOSE (4673)
Wickliffe, OH South Gate, CA
Eastern USA Western USA

www.safehose.com
www.hosefinder.com
email: indhose@parker.com

Parker Safety Guide, Parker Publication No. 4400-B.1 (Continued)

in the system must be below the published maximum working pressure for the Hose. Surge pressures and peak pressures can usually only be determined by sensitive electrical instrumentation that measures and indicates pressures at millisecond intervals. Mechanical pressure gauges indicate only average pressures and cannot be used to determine surge pressures or peak transient pressures. Published burst pressure ratings for Hose is for manufacturing test purposes only and is no indication that the Product can be used in applications at the burst pressure or otherwise above the published maximum recommended working pressure.

- 2.3 Suction:** Hoses used for suction applications must be selected to insure that the Hose will withstand the vacuum and pressure of the system. Improperly selected Hose may collapse in suction application.
- 2.4 Temperature:** Be certain that fluid and ambient temperatures, both steady and transient, do not exceed the limitations of the Hose. Temperatures below and above the recommended limit can degrade Hose to a point where a failure may occur and release fluid. Properly insulate and protect the Hose Assembly when routing near hot objects (e.g. manifolds). Do not use any Hose in any application where failure of the Hose could result in the conveyed fluids (or vapors or mist from the conveyed fluids) contacting any open flame, molten metal, or other potential fire ignition source that could cause burning or explosion of the conveyed fluids or vapors.
- 2.5 Fluid Compatibility:** Hose Assembly selection must assure compatibility of the Hose tube, cover, reinforcement, and Fittings with the fluid media used. See the fluid compatibility chart in the Parker publication for the product being considered or used. This information is offered only as a guide. Actual service life can only be determined by the end user by testing under all extreme conditions and other analysis.
- Hose that is chemically compatible with a particular fluid must be assembled using Fittings and adapters containing likewise compatible seals.
- 2.6 Permeation:** Permeation (that is, seepage through the Hose) will occur from inside the Hose to outside when Hose is used with gases, liquid and gas fuels, and refrigerants (including but not limited to such materials as helium, diesel fuel, gasoline, natural gas, or LPG). This permeation may result in high concentrations of vapors which are potentially flammable, explosive, or toxic, and in loss of fluid. Dangerous explosions, fires, and other hazards can result when using the wrong Hose for such applications. The system designer must take into account the fact that this permeation will take place and must not use Hose if this permeation could be hazardous. The system designer must take into account all legal, government, insurance, or any other special regulations which govern the use of fuels and refrigerants. Never use a Hose even though the fluid compatibility is acceptable without considering the potential hazardous effects that can result from permeation through the Hose Assembly.
- Permeation of moisture from outside the Hose to inside the Hose will also occur in Hose assemblies, regardless of internal pressure. If this moisture permeation would have detrimental effects (particularly, but not limited to refrigeration and air conditioning systems), incorporation of sufficient drying capacity in the system or other appropriate system safeguards should be selected and used.
- 2.7 Size:** Transmission of power by means of pressurized fluid varies with pressure and rate of flow. The size of the components must be adequate to keep pressure losses to a minimum and avoid damage due to heat generation or excessive fluid velocity.
- 2.8 Routing:** Attention must be given to optimum routing to minimize inherent problems (kinking or flow restriction due to Hose collapse, twisting of the Hose, proximity to hot objects or heat sources). For additional routing recommendations see SAE J1273 and ISO 17165-2. Hose Assemblies have a finite life and if possible, should be installed in a manner that allows for ease of inspection and future replacement. Rubber Hose because of its relative short life, should not be used in residential and commercial buildings for HVAC (heating, ventilating and air conditioning) applications.
- 2.9 Environment:** Care must be taken to insure that the Hose and Fittings are either compatible with or protected from the environment (that is, surrounding conditions) to which they are exposed. Environmental conditions including but not limited to ultraviolet radiation, sunlight, heat, ozone, moisture, water, salt water, chemicals and air pollutants can cause degradation and premature failure.
- 2.10 Mechanical Loads:** External forces can significantly reduce Hose life or cause failure. Mechanical loads which must be considered include excessive flexing, twist, kinking, tensile or side loads, bend radius, and vibration. Use of swivel type Fittings or adapters may be required to insure no twist is put into the Hose. Unusual applications may require special testing prior to Hose selection.
- 2.11 Physical Damage:** Care must be taken to protect Hose from wear, snagging, kinking, bending smaller than minimum bend radius and cutting, any of which can cause premature Hose failure. Any Hose that has been kinked or bent to a radius smaller than the minimum bend radius, and any Hose that has been cut or is cracked or is otherwise damaged should be removed and discarded.

- 2.12 Proper End Fitting:** See instructions 3.2 through 3.5. These recommendations may be substantiated by testing to industry standards such as SAE J517 for hydraulic applications, or MIL-A-5070, AS1339, or AS3517 for Hoses from Parker's Stratoflex Products Division for aerospace applications.
- 2.13 Length:** When establishing a proper Hose length, motion absorption, Hose length changes due to pressure, and Hose and machine tolerances and movement must be considered.
- 2.14 Specifications and Standards:** When selecting Hose and Fittings, government, industry, and Parker specifications and recommendations must be reviewed and followed as applicable.
- 2.15 Hose Cleanliness:** Hose components may vary in cleanliness levels. Care must be taken to insure that the Hose Assembly selected has an adequate level of cleanliness for the application.
- 2.16 Fire Resistant Fluids:** Some fire resistant fluids that are to be conveyed by Hose require use of the same type of Hose as used with petroleum base fluids. Some such fluids require a special Hose, while a few fluids will not work with any Hose at all. See instructions 2.5 and 1.5. The wrong Hose may fail after a very short service. In addition, all liquids but pure water may burn fiercely under certain conditions, and even pure water leakage may be hazardous.
- 2.17 Radiant Heat:** Hose can be heated to destruction without contact by such nearby items as hot manifolds or molten metal. The same heat source may then initiate a fire. This can occur despite the presence of cool air around the Hose.
- 2.18 Welding or Brazing:** When using a torch or arc welder in close proximity to hydraulic lines, the hydraulic lines should be removed or shielded with appropriate fire resistant materials. Flame or weld spatter could burn through the Hose and possibly ignite escaping fluid resulting in a catastrophic failure. Heating of plated parts, including Hose Fittings and adapters, above 450°F (232°C) such as during welding, brazing or soldering may emit deadly gases.
- 2.19 Atomic Radiation:** Atomic radiation affects all materials used in Hose assemblies. Since the long-term effects may be unknown, do not expose Hose assemblies to atomic radiation.
- 2.20 Aerospace Applications:** The only Hose and Fittings that may be used for in-flight aerospace applications are those available from Parker's Stratoflex Products Division. Do not use any other Hose or Fittings for in-flight applications. Do not use any Hose or Fittings from Parker's Stratoflex Products Division with any other Hose or Fittings, unless expressly approved in writing by the engineering manager or chief engineer of Stratoflex Products Division and verified by the user's own testing and inspection to aerospace industry standards.
- 2.21 Unlocking Couplings:** Ball locking couplings or other Fittings with quick disconnect ability can unintentionally disconnect if they are dragged over obstructions, or if the sleeve or other disconnect member, is bumped or moved enough to cause disconnect. Threaded Fittings should be considered where there is a potential for accidental uncoupling.
- 3.0 HOSE AND FITTINGS ASSEMBLY AND INSTALLATION INSTRUCTIONS**
- 3.1 Component Inspection:** Prior to assembly, a careful examination of the Hose and Fittings must be performed. All components must be checked for correct style, size, catalog number, and length. The Hose must be examined for cleanliness, obstructions, blisters, cover looseness, kinks, cracks, cuts or any other visible defects. Inspect the Fitting and sealing surfaces for burrs, nicks, corrosion or other imperfections. Do NOT use any component that displays any signs of nonconformance.
- 3.2 Hose and Fitting Assembly:** Do not assemble a Parker Fitting on a Parker Hose that is not specifically listed by Parker for that Fitting, unless authorized in writing by the engineering manager or chief engineer of the appropriate Parker division. Do not assemble a Parker Fitting on another manufacturer's Hose or a Parker Hose on another manufacturer's Fitting unless (i) the engineering manager or chief engineer of the appropriate Parker division approves the Assembly in writing or that combination is expressly approved in the appropriate Parker literature for the specific Parker product, and (ii) the user verifies the Assembly and the application through analysis and testing. For Parker Hose that does not specify a Parker Fitting, the user is solely responsible for the selection of the proper Fitting and Hose Assembly procedures. See instruction 1.4.
- To prevent the possibility of problems such as leakage at the Fitting or system contamination, it is important to completely remove all debris from the cutting operation before installation of the Fittings. The Parker published instructions must be followed for assembling the Fittings on the Hose. These instructions are provided in the Parker Fitting catalog for the specific Parker Fitting being used, or by calling 1-800-CPARKER, or at www.parker.com.
- 3.3 Related Accessories:** Do not crimp or swage any Parker Hose or Fitting with anything but the listed swage or crimp machine and dies in accordance with Parker published instructions. Do not crimp or swage another manufacturer's Fitting with a Parker crimp or swage die unless authorized in writing by the engineering manager or chief engineer of the appropriate Parker division.

Parker Safety Guide, Parker Publication No. 4400-B.1 (Continued)

- 3.4 Parts:** Do not use any Parker Fitting part (including but not limited to socket, shell, nipple, or insert) except with the correct Parker mating parts, in accordance with Parker published instructions, unless authorized in writing by the engineering manager or chief engineer of the appropriate Parker division.
- 3.5 Field Attachable/Permanent:** Do not reuse any field attachable Hose Fitting that has blown or pulled off a Hose. Do not reuse a Parker permanent Hose Fitting (crimped or swaged) or any part thereof. Complete Hose Assemblies may only be reused after proper inspection under section 4.0. Do not assemble Fittings to any previously used hydraulic Hose that was in service, for use in a fluid power application.
- 3.6 Pre-Installation Inspection:** Prior to installation, a careful examination of the Hose Assembly must be performed. Inspect the Hose Assembly for any damage or defects. DO NOT use any Hose Assembly that displays any signs of nonconformance.
- 3.7 Minimum Bend Radius:** Installation of a Hose at less than the minimum listed bend radius may significantly reduce the Hose life. Particular attention must be given to preclude sharp bending at the Hose to Fitting juncture. Any bending during installation at less than the minimum bend radius must be avoided. If any Hose is kinked during installation, the Hose must be discarded.
- 3.8 Twist Angle and Orientation:** Hose Assembly installation must be such that relative motion of machine components does not produce twisting.
- 3.9 Securement:** In many applications, it may be necessary to restrain, protect, or guide the Hose to protect it from damage by unnecessary flexing, pressure surges, and contact with other mechanical components. Care must be taken to insure such restraints do not introduce additional stress or wear points.
- 3.10 Proper Connection of Ports:** Proper physical installation of the Hose Assembly requires a correctly installed port connection insuring that no twist or torque is transferred to the Hose when the Fittings are being tightened or otherwise during use.
- 3.11 External Damage:** Proper installation is not complete without insuring that tensile loads, side loads, kinking, flattening, potential abrasion, thread damage or damage to sealing surfaces are corrected or eliminated. See instruction 2.10.
- 3.12 System Checkout:** All air entrapment must be eliminated and the system pressurized to the maximum system pressure (at or below the Hose maximum working pressure) and checked for proper function and freedom from leaks. Personnel must stay out of potential hazardous areas while testing and using.
- 3.13 Routing:** The Hose Assembly should be routed in such a manner so if a failure does occur, the escaping media will not cause personal injury or property damage. In addition, if fluid media comes in contact with hot surfaces, open flame or sparks, a fire or explosion may occur. See section 2.4.
- 3.14 Ground Fault Equipment Protection Devices (GFEEDs): WARNING! Fire and Shock Hazard.** To minimize the danger of fire if the heating cable of a Multitube bundle is damaged or improperly installed, use a Ground Fault Equipment Protection Device. Electrical fault currents may be insufficient to trip a conventional circuit breaker.
- For ground fault protection, the IEEE 515:1989 (www.ansi.org) standard for heating cables recommends the use of GFEEDs with a nominal 30 milli-ampere trip level for "piping systems in classified areas, those areas requiring a high degree of maintenance, or which may be exposed to physical abuse or corrosive atmospheres".
- 4.0 HOSE AND FITTING MAINTENANCE AND REPLACEMENT INSTRUCTIONS**
- 4.1** Even with proper selection and installation, Hose life may be significantly reduced without a continuing maintenance program. The severity of the application, risk potential from a possible Hose failure, and experience with any Hose failures in the application or in similar applications should determine the frequency of the inspection and the replacement for the Products so that Products are replaced before any failure occurs. A maintenance program must be established and followed by the user and, at minimum, must include instructions 4.2 through 4.7.
- 4.2 Visual Inspection Hose/Fitting:** Any of the following conditions require immediate shut down and replacement of the Hose Assembly:
- Fitting slippage on Hose;
 - Damaged, cracked, cut or abraded cover (any reinforcement exposed);
 - Hard, stiff, heat cracked, or charred Hose;
 - Cracked, damaged, or badly corroded Fittings;
 - Leaks at Fitting or in Hose;
 - Kinked, crushed, flattened or twisted Hose; and
 - Blistered, soft, degraded, or loose cover.
- 4.3 Visual Inspection All Other:** The following items must be tightened, repaired, corrected or replaced as required:
- Leaking port conditions;
 - Excess dirt buildup;
 - Worn clamps, guards or shields; and
 - System fluid level, fluid type, and any air entrapment.
- 4.4 Functional Test:** Operate the system at maximum operating pressure and check for possible malfunctions and leaks. Personnel must avoid potential hazardous areas while testing and using the system. See section 2.2.
- 4.5 Replacement Intervals:** Hose assemblies and elastomeric seals used on Hose Fittings and adapters will eventually age, harden, wear and deteriorate under thermal cycling and compression set. Hose Assemblies and elastomeric seals should be inspected and replaced at specific replacement intervals, based on previous service life, government or industry recommendations, or when failures could result in unacceptable downtime, damage, or injury risk. See section 1.2. Hose and Fittings may be subjected to internal mechanical and/or chemical wear from the conveying fluid and may fail without warning. The user must determine the product life under such circumstances by testing. Also see section 2.5.
- 4.6 Hose Inspection and Failure:** Hydraulic power is accomplished by utilizing high pressure fluids to transfer energy and do work. Hoses, Fittings and Hose Assemblies all contribute to this by transmitting fluids at high pressures. Fluids under pressure can be dangerous and potentially lethal and, therefore, extreme caution must be exercised when working with fluids under pressure and handling the Hoses transporting the fluids. From time to time, Hose Assemblies will fail if they are not replaced at proper time intervals. Usually these failures are the result of some form of misapplication, abuse, wear or failure to perform proper maintenance. When Hoses fail, generally the high pressure fluids inside escape in a stream which may or may not be visible to the user. Under no circumstances should the user attempt to locate the leak by "feeling" with their hands or any other part of their body. High pressure fluids can and will penetrate the skin and cause severe tissue damage and possibly loss of limb. Even seemingly minor hydraulic fluid injection injuries must be treated immediately by a physician with knowledge of the tissue damaging properties of hydraulic fluid.
- If a Hose failure occurs, immediately shut down the equipment and leave the area until pressure has been completely released from the Hose Assembly. Simply shutting down the hydraulic pump may or may not eliminate the pressure in the Hose Assembly. Many times check valves, etc., are employed in a system and can cause pressure to remain in a Hose Assembly even when pumps or equipment are not operating. Tiny holes in the Hose, commonly known as pinholes, can eject small, dangerously powerful but hard to see streams of hydraulic fluid. It may take several minutes or even hours for the pressure to be relieved so that the Hose Assembly may be examined safely. Once the pressure has been reduced to zero, the Hose Assembly may be taken off the equipment and examined. It must always be replaced if a failure has occurred. Never attempt to patch or repair a Hose Assembly that has failed. Consult the nearest Parker distributor or the appropriate Parker division for Hose Assembly replacement information.
- Never touch or examine a failed Hose Assembly unless it is obvious that the Hose no longer contains fluid under pressure. The high pressure fluid is extremely dangerous and can cause serious and potentially fatal injury.
- 4.7 Elastomeric seals:** Elastomeric seals will eventually age, harden, wear and deteriorate under thermal cycling and compression set. Elastomeric seals should be inspected and replaced.
- 4.8 Refrigerant gases:** Special care should be taken when working with refrigeration systems. Sudden escape of refrigerant gases can cause blindness if the escaping gases contact the eye and can cause freezing or other severe injuries if it contacts any other portion of the body.
- 4.9 Compressed natural gas (CNG):** Parker CNG Hose Assemblies should be tested after installation and before use, and at least on a monthly basis per ANSI/IAS NGV 4.2-1999; CSA 12.52-M99 Section 4.2 "Visual Inspection Hose/Fitting". The recommended procedure is to pressurize the Hose and check for leaks and to visually inspect the Hose for damage.
- Caution:** Matches, candles, open flame or other sources of ignition shall not be used for Hose inspection. Leak check solutions should be rinsed off after use.
- 5.0 HOSE STORAGE**
- 5.1 Age Control:** Hose and Hose Assemblies must be stored in a manner that facilitates age control and first-in and first-out usage based on manufacturing date of the Hose and Hose Assemblies. The shelf life of rubber Hose or Hose Assemblies that have passed visual inspection and a proof test is 10 years (40 quarters) from the date of manufacture. The shelf life of thermoplastic and polytetrafluoroethylene Hose or Hose Assemblies is considered to be unlimited.
- 5.2 Storage:** Stored Hose and Hose Assemblies must not be subjected to damage that could reduce their expected service life and must be placed in a cool, dark and dry area with the ends capped. Stored Hose and Hose Assemblies must not be exposed to temperature extremes, ozone, oils, corrosive liquids or fumes, solvents, high humidity, rodents, insects, ultraviolet light, electromagnetic fields or radioactive materials.

PVC / Thermoplastic Hose and Tubing

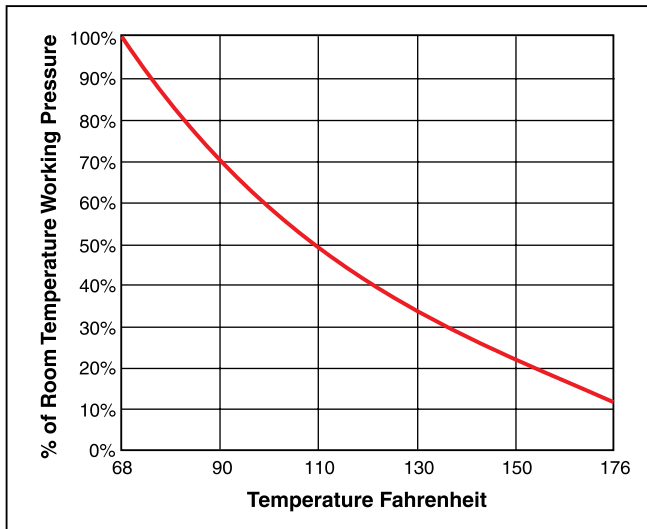
Thermoplastic polymer compounds are designed to resist deterioration when exposed to a wide range of commercial chemicals and environmental conditions. The resistance to attack is based on many factors, including temperature, pressure, chemical concentration, exposure to ultraviolet light, velocity of the media and duration of exposure/service (intermittent or constant). The user is solely responsible for making the final selection of the hose and tubing, and meeting all endurance, maintenance, performance, safety and warning requirements of the application.

NOTE: The rated maximum working pressures listed in this catalog for thermoplastic hose and tubing are based upon a pressure test temperature of 68°F (20°C) unless stated otherwise.

! WARNING! As temperature increases or decreases, burst pressure, safe working pressure, coupling retention properties, and other safety characteristics of the hose or tubing can significantly decrease. Failure to consider how temperature and other conditions affect hose and tubing performance may cause property damage, serious bodily injury or death.

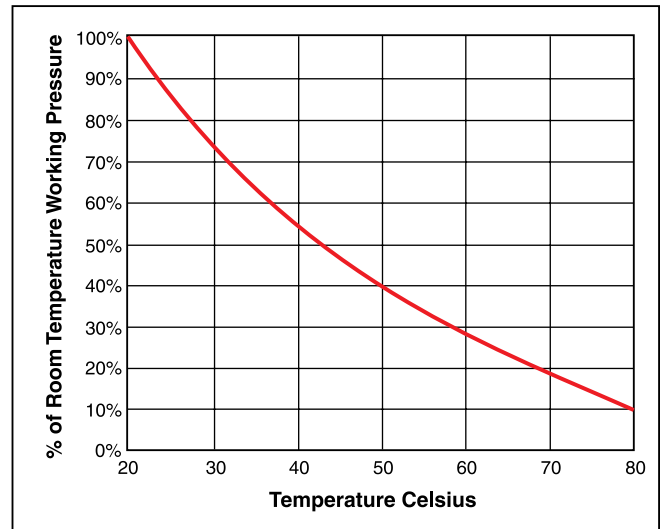
Effects of Elevated Temperatures on Thermoplastic Hose and Tubing

Thermoplastic hose and tubing achieve their optimum physical properties at room temperature, 68°F (20°C). As thermoplastic materials are exposed to increased ambient temperatures, they soften and their physical properties change. For hose and tubing, heat sharply reduces the available working pressure and coupling retention. The charts below illustrate this effect. In all cases, test the product in a controlled, secure and safe environment, and consider all operating conditions prior to use.



Example from the Fahrenheit Chart

If Working Pressure at 68°F is 200 PSI, then the WP at 110°F is 200 x 50%, or 100 PSI.



Example from the Celsius Chart

If Working Pressure at 20°C is 14 bar, then the WP at 50°C is 14 x 40%, or 5.6 bar.

For further information, refer to the Parker Safety Guide No. 4400-B.1 (see the Safety & Technical Information section of this catalog) and the Parker User Responsibility Statement on the inside front cover of this catalog.

Silicone Hose and Chemical Table

⚠WARNING! The following data is based on tests and believed to be reliable; however, the tabulation should be used as a guide **ONLY**, since it does not take into consideration all variables, such as elevated temperatures, fluid contamination, concentration, etc., that may be encountered in actual use. All critical applications should be tested. Refer to the Safety & Technical Information section of Parker Industrial Hose Catalog 4800 for safety, handling and use information.

Key: E = Excellent • G = Good • C = Conditional • X = Not Recommended • I = Insufficient Data

Chemical or Material Conveyed	Rating	Chemical or Material Conveyed	Rating	Chemical or Material Conveyed	Rating	Chemical or Material Conveyed	Rating
Acetic acid, dilute, 10%	G	Carbon tetrachloride	X	Hydraulic fluids: Water glycol	E	Potassium hydroxide	C
Acetic acid glacial	C	Castor oil	E	Hydrobromic acid	X	Potassium sulfate	E
Acetic acid anhydride	I	Cellosolve acetate	X	Hydrochloric acid	X	Propane	X
Acetone	X	CFC-12	I	Hydrocyanic acid	G	Sewage	G
Acetylene	C	China wood oil, tung oil	X	Hydrofluoric acid	X	Soap solution	E
Air 68°F (20°C)	E	Chlorine, dry/wet	X	Hydrofluosilicic acid	I	Soda ash, sodium carbonate	E
Air 150°F (65°C)	E	Chlorinated solvents	X	Hydrogen gas 140°F (60°C)	C	Sodium bicarbonate, baking soda	E
Aluminum chloride 150°F (65°C)	E	Chloroacetic acid	I	Hydrogen peroxide	E	Sodium bisulfate	E
Aluminum fluoride 150°F (65°C)	G	Chlorosulfonic acid	X	Hydrogen sulfide, dry	X	Sodium chloride	E
Aluminum sulfate 150°F (65°C)	E	Chromic acid	C	Hydrogen sulfide, wet	X	Sodium cyanide	E
Alums 150°F (65°C)	E	Citric acid	E	Isobutyl alcohol	E	Sodium hydroxide to 50% at 140°F	E
Ammonia gas, anhydrous	I	Coke oven gas	G	Isopropyl alcohol	E	Sodium hypochlorite	G
Ammonia 10%water solution	E	Copper chloride 150°F (65°C)	E	Isooctane	X	Sodium metaphosphate	E
Ammonia 30%water solution	C	Copper sulfate 150°F (65°C)	E	Kerosene	X	Sodium nitrate	X
Ammonium chloride	C	Corn oil	E	Lacquers	X	Sodium perborate	G
Ammonium hydroxide	C	Cottonseed oil	E	Lacquers solvents	X	Sodium peroxide	C
Ammonium nitrate	E	Creosote, coal tar	C	Lactic acid	E	Sodium phosphate, monobasic	X
Ammonium phosphate monobasic	E	Creosote, coal tar wood	X	Linseed oil	E	Sodium phosphate, dibasic	X
Ammonium phosphate dibasic	E	Creosols, cresylic acid	I	Lubricating oil, crude	C	Sodium phosphate, tribasic	X
Ammonium phosphate tribasic	E	Dichlorobenzene	X	Lubricating oil, refined	C	Sodium silicate	E
Ammonium sulfate	E	Dichloroethylene	X	Magnesium chloride 150°F (65°C)	E	Sodium sulfite	E
Amyl acetate	X	Diesel fuel	X	Magnesium hydroxide 150°F (65°C)	G	Sodium thiosulfate, hypo	I
Amyl alcohol	X	Diethanolamine 20%	X	Magnesium sulfate 150°F (65°C)	E	Soybean oil	E
Aniline, Aniline oil	X	Diethylamine	G	Mercuric chloride	E	Stannic chloride	G
Aniline, dyes	X	Diisopropylamine	I	Mercury	E	Steam 450°F (230°C)	I
Asphalt	I	Diocetylphthalate	X	Methyl alcohol, methanol	E	Stearic acid	E
Barium chloride 150°F (65°C)	E	Ethers	X	Methyl chloride	X	Sulfur	G
Barium hydroxide 150°F (65°C)	E	Ethyl acetate	G	Methyl ethyl ketone	X	Sulfur chloride	C
Barium sulfide 150°F (65°C)	E	Ethyl alcohol	E	Methyl isopropyl ketone	C	Sulfur dioxide, dry	G
Beer	E	Ethyl cellulose	C	Milk	E	Sulfur trioxide, dry	G
Beet sugar liquors	E	Ethyl chloride	C	MTBE	I	Sulfuric acid, 10%	X
Benzene, Benzol	X	Ethyl glycol	E	Mineral oils	E	Sulfuric acid, 11% - 75%	X
Benzine, petroleum ether	X	Ferric chloride 150°F (65°C)	E	Natural gas	C	Sulfuric acid, 76% - 95%	X
Benzine, petroleum naphtha	X	Ferric sulfate 150°F (65°C)	G	Nickel chloride 150°F (65°C)	E	Sulfuric acid, fuming	X
Black sulfate liquor	E	Formaldehyde	G	Nickel sulfate 150°F (65°C)	E	Sulfurous acid	X
Blast furnace gas	E	Formic acid	C	Nitric acid, crude	X	Tannic acid	G
Borax	G	Fuel oil	X	Nitric acid, diluted 10%	C	Tar	G
Boric acid	E	Furfural	X	Nitric acid, concentrated 70%	X	Tartaric acid	E
Bromine	X	Gasoline, unleaded	X	Nitrobenzene	C	Toluene, Toluol	X
Butane	X	Gasoline + MTBE	X	Oleic acid	X	Trichloroethylene	X
Butyl acetate	X	Gasoline Hi Test + MTBE	X	Oleum	I	Turpentine	X
Butyl alcohol, Butanol	C	Gelatin	E	Oxalic acid	G	Urea, water solution	E
Calcium bisulfate	C	Glucose	E	Oxygen	X	Vinegar	E
Calcium chloride	E	Glue	E	Palmitic acid	X	Vinyl acetate	X
Calcium hydroxide	E	Glycerine, glycerol	E	Perchloroethylene	C	Water, acid mine	E
Calcium hypochlorite	C	Green sulfate liquor	E	Petroleum oils and crude 200°F (95°C)	X	Water, fresh	E
Caliche liquors	G	HFC-134	I	Phosphoric acid, crude	C	Water, distilled	E
Cane sugar liquors	E	Hydraulic fluids: Petroleum	C	Phosphoric acid, pure 45%	C	Whiskey and wines	E
Carbolic acid, phenol	X	Hydraulic fluids: Phosphate ester alkyl	X	Picric acid, molten	X	Xylene, xylol	X
Carbon dioxide, dry-wet	E	Hydraulic fluids: Phosphate ester aryl	X	Picric acid, water solution	I	Zinc chloride	E
Carbon disulfide	X	Hydraulic fluids: Phosphate ester blends	X	Potassium chlorite	E	Zinc sulfate	E
Carbon monoxide 140°F (60°C)	E	Hydraulic fluids: Silicate ester	X	Potassium cyanide	E		

Parker Industrial Hose Customer Service

866 810 HOSE (4673) 800 242 HOSE (4673)
Wickliffe, OH South Gate, CA
Eastern USA Western USA

www.safehose.com
www.hosefinder.com
email: indhose@parker.com

PARKER-HANNIFIN CORPORATION
OFFER OF SALE

The goods, services or work (referred to as the "Products") offered by **Parker-Hannifin Corporation**, its subsidiaries, groups, divisions, and authorized distributors ("Seller") are offered for sale at prices indicated in the offer, or as may be established by Seller. The offer to sell the Products and acceptance of Seller's offer by any customer ("Buyer") is contingent upon, and will be governed by all of the terms and conditions contained in this Offer of Sale. Buyer's order for any Products specified in Buyer's purchase document or Seller's offer, proposal or quote ("Quote") attached to the purchase order, when communicated to Seller verbally, or in writing, shall constitute acceptance of this offer.

1. **Terms and Conditions.** Seller's willingness to offer Products for sale or accept an order for Products is subject to the terms and conditions contained in this Offer of Sale or any newer version of the same, published by Seller electronically at www.parker.com/saleterms/. Seller objects to any contrary or additional terms or conditions of Buyer's order or any other document or other communication issued by Buyer.
2. **Price; Payment.** Prices stated on Seller's Quote are valid for thirty (30) days, except as explicitly otherwise stated therein, and do not include any sales, use, or other taxes or duties unless specifically stated. Seller reserves the right to modify prices to adjust for any raw material price fluctuations. Unless otherwise specified by Seller, all prices are F.C.A. Seller's facility (INCOTERMS 2010). Payment is subject to credit approval and payment for all purchases is due thirty (30) days from the date of invoice (or such date as may be specified by Seller's Credit Department). Unpaid invoices beyond the specified payment date incur interest at the rate of 1.5% per month or the maximum allowable rate under applicable law.
3. **Shipment; Delivery; Title and Risk of Loss.** All delivery dates are approximate. Seller is not responsible for damages resulting from any delay. Regardless of the manner of shipment, delivery occurs and title and risk of loss or damage pass to Buyer, upon placement of the Products with the shipment carrier at Seller's facility. Unless otherwise stated, Seller may exercise its judgment in choosing the carrier and means of delivery. No deferment of shipment at Buyers' request beyond the respective dates indicated will be made except on terms that will indemnify, defend and hold Seller harmless against all loss and additional expense. Buyer shall be responsible for any additional shipping charges incurred by Seller due to Buyer's acts or omissions.
4. **Warranty.** Seller warrants that the Products sold hereunder shall be free from defects in material or workmanship for a period of twelve (12) months from the date of delivery or 2,000 hours of normal use, whichever occurs first. All prices are based upon the exclusive limited warranty stated above, and upon the following disclaimer: **DISCLAIMER OF WARRANTY: THIS WARRANTY IS THE SOLE AND ENTIRE WARRANTY PERTAINING TO PRODUCTS PROVIDED. SELLER DISCLAIMS ALL OTHER WARRANTIES, EXPRESS AND IMPLIED, INCLUDING DESIGN, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**
5. **Claims; Commencement of Actions.** Buyer shall promptly inspect all Products upon receipt. No claims for shortages will be allowed unless reported to the Seller within ten (10) days of delivery. No other claims against Seller will be allowed unless asserted in writing within thirty (30) days after delivery. Buyer shall notify Seller of any alleged breach of warranty within thirty (30) days after the date the defect is or should have been discovered by Buyer. Any claim or action against Seller based upon breach of contract or any other theory, including tort, negligence, or otherwise must be commenced within twelve (12) months from the date of the alleged breach or other alleged event, without regard to the date of discovery.
6. **LIMITATION OF LIABILITY.** IN THE EVENT OF A BREACH OF WARRANTY, SELLER WILL, AT ITS OPTION, REPAIR OR REPLACE A DEFECTIVE PRODUCT, OR REFUND THE PURCHASE PRICE WITHIN A REASONABLE PERIOD OF TIME. **IN NO EVENT IS SELLER LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF, OR AS THE RESULT OF, THE SALE, DELIVERY, NON-DELIVERY, SERVICING, USE OR LOSS OF USE OF THE PRODUCTS OR ANY PART THEREOF, OR FOR ANY CHARGES OR EXPENSES OF ANY NATURE INCURRED WITHOUT SELLER'S WRITTEN CONSENT, WHETHER BASED IN CONTRACT, TORT OR OTHER LEGAL THEORY. IN NO EVENT SHALL SELLER'S LIABILITY UNDER ANY CLAIM MADE BY BUYER EXCEED THE PURCHASE PRICE OF THE PRODUCTS.**
7. **User Responsibility.** The user, through its own analysis and testing, is solely responsible for making the final selection of the system and Product and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application and follow applicable industry standards and Product information. If Seller provides Product or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the Products or systems.
8. **Loss to Buyer's Property.** Any designs, tools, patterns, materials, drawings, confidential information or equipment furnished by Buyer or any other items which become Buyer's property, will be considered obsolete and may be destroyed by Seller after two (2) consecutive years have elapsed without Buyer ordering the items manufactured using such property. Seller shall not be responsible for any loss or damage to such property while it is in Seller's possession or control.
9. **Special Tooling.** A tooling charge may be imposed for any special tooling, including without limitation, dies, fixtures, molds and patterns, acquired to manufacture Products. Such special tooling shall be and remain Seller's property notwithstanding payment of any charges by Buyer. In no event will Buyer acquire any interest in apparatus belonging to Seller which is utilized in the manufacture of the Products, even if such apparatus has been specially converted or adapted for such manufacture and notwithstanding any charges paid by Buyer. Unless otherwise agreed, Seller has the right to alter, discard or otherwise dispose of any special tooling or other property in its sole discretion at any time.
10. **Buyer's Obligation; Rights of Seller.** To secure payment of all sums due or otherwise, Seller retains a security interest in all Products delivered to Buyer and this agreement is deemed to be a Security Agreement under the Uniform Commercial Code. Buyer authorizes Seller as its attorney to execute and file on Buyer's behalf all documents Seller deems necessary to perfect its security interest.
11. **Improper Use and Indemnity.** Buyer shall indemnify, defend, and hold Seller harmless from any losses, claims, liabilities, damages, lawsuits, judgments and costs (including attorney fees and defense costs), whether for personal injury, property damage, patent, trademark or copyright infringement or any other claim, brought by or incurred by Buyer, Buyer's employees, or any other person, arising out of: (a) improper selection, application, design, specification or other misuse of Products purchased by Buyer from Seller; (b) any act or omission, negligent or otherwise, of Buyer; (c) Seller's use of patterns, plans, drawings, or specifications furnished by Buyer to manufacture Products; or (d) Buyer's failure to comply with these terms and conditions. Seller shall not indemnify Buyer under any circumstance except as otherwise provided.
12. **Cancellations and Changes.** Buyer may not cancel or modify or cancel any order for any reason, except with Seller's written consent and upon terms that will indemnify, defend and hold Seller harmless against all direct, incidental and consequential loss or damage. Seller may change Product features, specifications, designs and availability.
13. **Limitation on Assignment.** Buyer may not assign its rights or obligations under this agreement without the prior written consent of Seller.
14. **Force Majeure.** Seller does not assume the risk and is not liable for delay or failure to perform any of Seller's obligations by reason of events or circumstances beyond its reasonable control (hereinafter "Events of Force Majeure"). Events of Force Majeure shall include without limitation: accidents, strikes or labor disputes, acts of any government or government agency, acts of nature, delays or failures in delivery from carriers or suppliers, shortages of materials, or any other cause beyond Seller's reasonable control.
15. **Waiver and Severability.** Failure to enforce any provision of this agreement will not invalidate that provision; nor will any such failure prejudice Seller's right to enforce that provision in the future. Invalidity of any provision of this agreement by legislation or other rule of law shall not invalidate any other provision herein. The remaining provisions of this agreement will remain in full force and effect.
16. **Termination.** Seller may terminate this agreement for any reason and at any time by giving Buyer thirty (30) days prior written notice. Seller may immediately terminate this agreement, in writing, if Buyer: (a) breaches any provision of this agreement (b) appoints a trustee, receiver or custodian for all or any part of Buyer's property (c) files a petition for relief in bankruptcy on its own behalf, or one if filed by a third party (d) makes an assignment for the benefit of creditors; or (e) dissolves its business or liquidates all or a majority of its assets.
17. **Governing Law.** This agreement and the sale and delivery of all Products are deemed to have taken place in, and shall be governed and construed in accordance with, the laws of the State of Ohio, as applicable to contracts executed and wholly performed therein and without regard to conflicts of laws principles. Buyer irrevocably agrees and consents to the exclusive jurisdiction and venue of the courts of Cuyahoga County, Ohio with respect to any dispute, controversy or claim arising out of or relating to this agreement.
18. **Indemnity for Infringement of Intellectual Property Rights.** Seller is not liable for infringement of any patents, trademarks, copyrights, trade dress, trade secrets or similar rights except as provided in this Section. Seller will defend and indemnify Buyer against allegations of infringement of U.S. patents, U.S. trademarks, copyrights, trade dress and trade secrets ("Intellectual Property Rights"). Seller will defend at its expense and will pay the cost of any settlement or damages awarded in an action brought against Buyer based on an allegation that a Product sold pursuant to this agreement infringes the Intellectual Property Rights of a third party. Seller's obligation to defend and indemnify Buyer is contingent on Buyer notifying Seller within ten (10) days after Buyer becomes aware of such allegations of infringement, and Seller having sole control over the defense of any allegations or actions including all negotiations for settlement or compromise. If a Product is subject to a claim that it infringes the Intellectual Property Rights of a third party, Seller may, at its sole expense and option, procure for Buyer the right to continue using the Product, replace or modify the Product so as to make it noninfringing, or offer to accept return of the Product and refund the purchase price less a reasonable allowance for depreciation. Notwithstanding the foregoing, Seller is not liable for claims of infringement based on information provided by Buyer, or directed to Products delivered hereunder for which the designs are specified in whole or part by Buyer, or infringements resulting from the modification, combination or use in a system of any Product sold hereunder. The foregoing provisions of this Section constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.
19. **Entire Agreement.** This agreement contains the entire agreement between the Buyer and Seller and constitutes the final, complete and exclusive expression of the terms of sale. All prior or contemporaneous written or oral agreements or negotiations with respect to the subject matter are herein merged. The terms contained herein may not be modified unless in writing and signed by an authorized representative of Seller.
20. **Compliance with Laws.** Buyer agrees to comply with all applicable laws, regulations, and industry and professional standards of care, including those of the United Kingdom, the United States of America, and the country or countries in which Buyer may operate, including without limitation the U. K. Bribery Act, the U.S. Foreign Corrupt Practices Act ("FCPA"), the U.S. Anti-Kickback Act ("Anti-Kickback Act") and the U.S. Food Drug and Cosmetic Act ("FDCA"), each as currently amended, and the rules and regulations promulgated by the U.S. Food and Drug Administration ("FDA"), and agrees to indemnify and hold harmless Seller from the consequences of any violation of such provisions by Buyer, its employees or agents. Buyer acknowledges that it is familiar with the provisions of the U. K. Bribery Act, the FCPA, the FDA, and the Anti-Kickback Act, and certifies that Buyer will adhere to the requirements thereof. In particular, Buyer represents and agrees that Buyer will not make any payment or give anything of value, directly or indirectly to any governmental official, any foreign political party or official thereof, any candidate for foreign political office, or any commercial entity or person, for the purpose of influencing such person to purchase Products or otherwise benefit the business of Seller.

05/14





Parker's Motion & Control Technologies

At Parker, we're guided by a relentless drive to help our customers become more productive and achieve higher levels of profitability by engineering the best systems for their requirements. It means looking at customer applications from many angles to find new ways to create value. Whatever the motion and control technology need, Parker has the experience, breadth of product and global reach to consistently deliver. No company knows more about motion and control technology than Parker. For further info call 1 800 C-Parker (1 800 272 7537).



Aerospace

Key Markets

Aftermarket services
Commercial transports
Engines
General & business aviation
Helicopters
Launch vehicles
Military aircraft
Missiles
Power generation
Regional transports
Unmanned aerial vehicles

Key Products

Control systems & actuation products
Engine systems & components
Fluid conveyance systems & components
Fluid metering, delivery & atomization devices
Fuel systems & components
Fuel tank inerting systems
Hydraulic systems & components
Thermal management
Wheels & brakes



Climate Control

Key Markets

Agriculture
Air conditioning
Construction Machinery
Food & beverage
Industrial machinery
Life sciences
Oil & gas
Precision cooling
Process
Refrigeration
Transportation

Key Products

Accumulators
Advanced actuators
CO₂ controls
Electronic controllers
Filter driers
Hand shut-off valves
Heat exchangers
Hose & fittings
Pressure regulating valves
Refrigerant distributors
Safety relief valves
Smart pumps
Solenoid valves
Thermostatic expansion valves



Electromechanical

Key Markets

Aerospace
Factory automation
Life science & medical
Machine tools
Packaging machinery
Paper machinery
Plastics machinery & converting
Primary metals
Semiconductor & electronics
Textile
Wire & cable

Key Products

AC/DC drives & systems
Electric actuators, gantry robots & slides
Electrohydraulic actuation systems
Electromechanical actuation systems
Human machine interface
Linear motors
Stepper motors, servo motors, drives & controls
Structural extrusions



Filtration

Key Markets

Aerospace
Food & beverage
Industrial plant & equipment
Life sciences
Marine
Mobile equipment
Oil & gas
Power generation & renewable energy
Process
Transportation
Water Purification

Key Products

Analytical gas generators
Compressed air filters & dryers
Engine air, coolant, fuel & oil filtration systems
Fluid condition monitoring systems
Hydraulic & lubrication filters
Hydrogen, nitrogen & zero air generators
Instrumentation filters
Membrane & fiber filters
Microfiltration
Sterile air filtration
Water desalination and purification filters & systems



Fluid & Gas Handling

Key Markets

Aerial lift
Agriculture
Bulk chemical handling
Construction machinery
Food & beverage
Fuel & gas delivery
Industrial machinery
Life sciences
Marine
Mining
Mobile
Oil & gas
Renewable energy
Transportation

Key Products

Check valves
Connectors for low pressure fluid conveyance
Deep sea umbilicals
Diagnostic equipment
Hose couplings
Industrial hose
Mooring systems & power cables
PTFE hose & tubing
Quick couplings
Rubber & thermoplastic hose
Tube fittings & adapters
Tubing & plastic fittings



Hydraulics

Key Markets

Aerial lift
Agriculture
Alternative energy
Construction machinery
Forestry
Industrial machinery
Machine tools
Marine
Material handling
Mining
Oil & gas
Power generation
Refuse vehicles
Renewable energy
Truck hydraulics
Turf equipment

Key Products

Accumulators
Cartridge valves
Electrohydraulic actuators
Human machine interfaces
Hybrid drives
Hydraulic cylinders
Hydraulic motors & pumps
Hydraulic systems
Hydraulic valves & controls
Hydrostatic steering
Integrated hydraulic circuits
Power take-offs
Power units
Rotary actuators
Sensors



Pneumatics

Key Markets

Aerospace
Conveyor & material handling
Factory automation
Life science & medical
Machine tools
Packaging machinery
Transportation & automotive

Key Products

Air preparation
Brass fittings & valves
Manifolds
Pneumatic accessories
Pneumatic actuators & grippers
Pneumatic valves & controls
Quick disconnects
Rotary actuators
Rubber & thermoplastic hose & couplings
Structural extrusions
Thermoplastic tubing & fittings
Vacuum generators, cups & sensors



Process Control

Key Markets

Alternative fuels
Biopharmaceuticals
Chemical & refining
Food & beverage
Marine & shipbuilding
Medical & dental
Microelectronics
Nuclear Power
Offshore oil exploration
Oil & gas
Pharmaceuticals
Power generation
Pulp & paper
Steel
Water/wastewater

Key Products

Analytical Instruments
Analytical sample conditioning products & systems
Chemical injection fittings & valves
Fluoropolymer chemical delivery fittings, valves & pumps
High purity gas delivery fittings, valves, regulators & digital flow controllers
Industrial mass flow meters/ controllers
Permanent no-weld tube fittings
Precision industrial regulators & flow controllers
Process control double block & bleeds
Process control fittings, valves, regulators & manifold valves



Sealing & Shielding

Key Markets

Aerospace
Chemical processing
Consumer
Fluid power
General industrial
Information technology
Life sciences
Microelectronics
Military
Oil & gas
Power generation
Renewable energy
Telecommunications
Transportation

Key Products

Dynamic seals
Elastomeric o-rings
Electro-medical instrument design & assembly
EMI shielding
Extruded & precision-cut, fabricated elastomeric seals
High temperature metal seals
Homogeneous & inserted elastomeric shapes
Medical device fabrication & assembly
Metal & plastic retained composite seals
Shielded optical windows
Silicone tubing & extrusions
Thermal management
Vibration dampening

ENGINEERING YOUR SUCCESS.



Parker Hannifin Corporation
Industrial Hose Products Division

30242 Lakeland Boulevard
Wickliffe, OH 44092

Customer Service:

Toll Free 866 810 HOSE (4673)

email indhose@parker.com

www.safehose.com

www.hosefinder.com