

SPECIALS

Your resource for custom fittings, valves and manifolds

If you need a custom brass fitting, valve or manifold, we can design and manufacture it for your specific application. In exactly the configuration you want. And supply any quantity -- from a single part for a prototype to a large production run -- in an exceptionally short time frame.

Every part is manufactured on the most current CNC equipment available. So each piece will meet or exceed your most exacting tolerances. And all are guaranteed to comply with the applicable standards, including SAE, ISO, DIN, JIS, ASTM and MIL-Spec.

In most cases, we can provide a price quote and shipping date when you call, and supply approval designs within 48 hours after receiving your CAD files.



How to order Parker Brass Fittings and Valves

When ordering, please state the part number of each type of fitting or valve desired and the quantity. Part numbers are constructed from letters or numbers that identify individual products by style, type of material, size and any available options.

To select fittings for specific applications, refer to the Parker fitting selector chart in Catalog 3501E. Applications of the Parker fittings and valves are the responsibility of the customer. If questions arise concerning which type or size fitting or valve to specify, consult your Parker Brass Products Distributor, Parker Field Sales/Technical Services - Brass Products Division, or your local Parker Service Center.

Note: Refer to Parker Catalog 3501E for more detailed application information.

Call toll-free 1-800-C PARKER (1-800-272-7537)

Parker Information Center for catalogs, literature or additional information.

Additional Parker Brass Products Division Publications

The full line of Parker Brass Division products is available in the 3501-E master catalog. This soft cover catalog contains complete specifications and technical information, plus handy reference charts and tables. The catalog is also available on a CD-ROM for all Microsoft PC operating systems.

The inPHorm CD-ROM for Brass Products simplifies product selection by making it easy to find detailed information, specifications and CAD drawings. A built-in order form makes online quotation fast and simple. The CD-ROM runs under all Microsoft PC operating systems.



WARNING

Failure or improper selection or improper use of the products and/or systems 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 and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the

product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems assuring that all performance, safety and warning requirements of the application are met.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.

OFFER OF SALE

The items described in this document are hereby offered for sale by Parker Hannifin Corporation, its subsidiaries or its authorized distributors. This offer and its acceptance are governed by the provisions stated in the "Offer of Sale".

Parker Fluid Connectors Regional Sales Offices & Service Centers

Your complete source for quality tube fittings, hose & hose fittings, brass fittings & valves, quick-disconnect couplings, and assembly tools, locally available from a worldwide network of authorized distributors.

Fittings & Couplings: Available in inch and metric sizes covering SAE, BSP, DIN, GAZ, JIS, and ISO thread configurations, manufactured from steel, stainless steel, brass, aluminum, nylon and thermoplastic.

Hose, Tubing and Bundles: Available in a wide variety of sizes and materials including rubber, wire-reinforced, thermoplastic, hybrid and custom compounds.

Worldwide Availability: Parker operates Fluid Connector manufacturing locations and sales offices throughout North America, South America, Europe, and Asia-Pacific.

For information, contact the nearest Regional Sales Office listed, or Call toll-free 1-800-C-Parker (1-800-272-7537).



Quality Management System BPD Otsego, Michigan

Cleveland Region Sales Office
Cleveland, OH
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(216) 896-4022 FAX

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(419) 878-7001 FAX

Great Lakes Region Sales Office
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(219) 747-3026 FAX

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(763) 544-3418 FAX

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(952) 469-5729 FAX

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(319) 393-1224 FAX

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(920) 426-8570 FAX

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Trenton, NJ
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(609) 586-3149 FAX

Pacific Region Sales Office & Service Center
Portland, OR
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(503) 283-2201 FAX

Service Center
Buena Park, CA
(714) 522-8840
(714) 994-1183 FAX

Southeast Region Sales Office & Service Center
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(336) 378-0913 FAX

Service Center
Conyers, GA
(770) 929-0330
(770) 929-0230 FAX

Service Center
 Mooresville, NC
(704) 664-1922
(704) 664-5296 FAX

Southwest Region Sales Office & Service Center
Mansfield, TX
(817) 473-4431
(817) 473-8078 FAX

Canada Sales Office & Service Center
Grimsby, ON
(905) 945-2274
(905) 945-3946 FAX
(Contact Grimsby for other Service Center locations.)



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QUICK REFERENCE GUIDE

Brass Products

Bulletin 3500-QRG / USA



Brass Products QUICK REFERENCE GUIDE

Prestomatic® Push-In Air Brake Fittings
 Sizes 5/32" and above meet D.O.T. FMVSS 571.106 performance specifications. Designed for truck and trailer applications with Parker Parflex® SAE J844 tubing. Available in brass and composite shapes both utilizing a stainless steel tube support for maximum flow. Brass bodied 1/4" tube sizes and above meet SAE J1131 performance requirements.
Working Pressure 27in. Hg vacuum to 250 PSI
Temperature Range -40° to +200°F

Presto® Encapsulated Cartridges
 Designed to be installed in thermoplastic or soft metal components used in truck and trailer air brake applications. Sizes 1/4" and above meet performance requirements of D.O.T. FMVSS 571.106 and SAE J1131. Available with color-coded release buttons to be used with Parker Parflex® J844 tubing.
Working Pressure 27in. Hg vacuum to 250 PSI
Temperature Range -40° to +200°F

Presto® Manifolds
 Manifolds provide multiple tube junction connections in truck air applications. Lightweight polycarbonate body meets D.O.T. FMVSS 571.106 performance specifications. Please consult factory for custom designs.
Working Pressure 27in. Hg vacuum to 150 PSI
Temperature Range -40° to +200°F
Inlet Ports 3/8" tube O.D. **Outlet Ports** 1/4" tube O.D.

Metric Prestomatic® Push-In Brake Fittings
 Sizes 6mm and above meet DIN 74324 and D.O.T. FMVSS 571.106 air brake performance specifications. Designed for use in truck and trailer applications utilizing a universal stud washer design on all sizes. Shaped fittings encompass an adjustable Hobbs nut design for positioning.
Working Pressure 27in. Hg vacuum to 250 PSI
Temperature Range -40° to +200°F

Compression Fittings
 Economical fittings for use with copper, brass, aluminum and thermoplastic tubing.
Working Pressure 75 to 400 PSI (tubing dependent)
Temperature Range -65° to +250°F

Compress-Align Fittings
 Captive sleeve compression-type fittings seal even out-of-round tubing, for use with copper, brass, aluminum and thermoplastic tubing.
Working Pressure 350 to 2800 PSI (tubing dependent)
Temperature Range -65° to +250°F

Hose Barb Fittings
 Beaded and taper barbed fittings with pipe threads made to Dryseal standards. For use with low pressure air hose and low pressure cooling systems on industrial equipment and transportation vehicles with 97HC hose clamp or crimped ferrule.
Working Pressure 150 PSI
Temperature Range -40° to +160°F

Truck Valves
 Brass valves with metal-to-metal seats and fine-thread screwdown for positive sealing up to valve capacity.
Working Pressure 150 PSI
Temperature Range -30° to +250°F

Plug Valves
 Compact brass valve with internal nitrile seals and 1/4"-turn, one-piece stem/handle. All valves are 100% leak tested and certified leakfree to one SCCM.
Working Pressure 250 PSI
Temperature Range -40° to +175°F

Carbon Steel Ball Valve Series 500CS/502CS
 High-quality carbon steel valves with corrosion-resistant coating for reliable, economical shutoff on general industrial and hydraulic lines.
Working Pressure 150 PSI
Temperature Range -30° to +250°F

Stainless Steel Ball Valve Series 500SS
 Valves are manufactured from CF-8M stainless steel, the cast equivalent of 316 stainless steel. Full flow design and reinforced PTFE seats and seals assures maximum efficiency and reliability.
Working Pressure 2000 PSI (3/4" - 1")
 1500 PSI (1 1/4" - 2")
 150 PSI saturated steam
Temperature Range -50° to +400°F

Brass Ball Valve Series 500P
 Brass valves engineered for extended service life. Highly inert PTFE seats and seals provide resistance to chemical corrosion.
Working Pressure 2000 PSI (3/4" - 1")
 1500 PSI (1 1/4" - 2")
 150 PSI saturated steam
Temperature Range 0° to +250°F

Mini Ball Valve
 Economical chrome plated brass valves designed for use in confined or hard-to-reach applications. Available in two different working pressures. All Mini Ball Valves are available with optional long handles.
Working Pressure MV200 Series -- to 200 PSI
 MV608/609 Series -- to 450 PSI
Temperature Range 0° to +250°F

Ball Valve Handle Options
 In addition to standard lever handles, most Parker Ball Valves are available with Short Lever Handles, Oval Handles, Tee Handles and Handle Covers.

Brass Ball Valve Series 508P
 Full Flow Brass Valves engineered for extended service life. Highly inert PTFE seats and seals provide resistance to chemical corrosion.
Working Pressure 29in. Hg Vacuum to 600 PSI (Vented, 250 PSI)
 150 PSI saturated steam
Temperature Range 0° to +250°F

Economy Ball Valve Series 520P
 Designed for applications that don't require frequent shutoff. Valve is full ported with a forged brass body and an o-ring stem seal.
Working Pressure 150 PSI
Temperature Range -30° to +250°F (Poly-Tite Needle Valves: 0° to +150°)

Brass Ball Valve Series 500HB
 The hose barb end configuration eliminates a fitting and possible leak path. Optimum flow design assures maximum system efficiency, highly inert PTFE seats and seals provide resistance to chemical corrosion.
Working Pressure 29 in. Hg vacuum to 150 PSI saturated steam
Temperature Range 0° to +350°F

Brass Ball Valve Series 600P
 Designed for applications where a fluid return or spillback is required. Full flow design assures maximum system efficiency. Viton o-rings seal between the upper and lower halves protect against cross-contamination of fluids.
Working Pressure 29 in. Hg Vacuum to 150 PSI
Temperature Range 0° to +250°F

Brass Ball Valve Series V533P
 Designed for applications requiring flow diversion, this valve offers optimized flow design making tank selection and fluid transfer easy.
Working Pressure To 400 PSI
Temperature Range 0° to +250°F

Panel Mount Ball Valve Series 502
 Most standard female/male Parker Ball Valves are available as Panel Mount Ball Valves with the same working pressure and temperature ratings, and handle options.
Working Pressure 29in. Hg Vacuum to 600 PSI (Vented, 250 PSI)
 150 PSI saturated steam
Temperature Range 0° to +250°F

Male/Female Ball Valve Series 501P
 High quality forged brass valves with male/female pipe threads, highly inert PTFE seats and seals, optimum flow design, and blow-out proof stem.
Working Pressure 29in. Hg Vacuum to 600 PSI (Vented, 250 PSI)
 150 PSI saturated steam
Temperature Range 0° to +250°F

Inverted Flared Fittings
 Economical brass fittings that resist mechanical pullout. Can be assembled and disassembled repeatedly. For use with copper, brass, aluminum and welded steel hydraulic tubing that can be flared.
Working Pressure 550 to 2800 PSI (tubing dependent)
Temperature Range -65° to +250°F

Vibra-Lok Fittings
 Brass fittings providing positive, reliable seal under vibration conditions, mechanical shock or tube movement. For use with all sealed or seamless metal and glass tubing.
Working Pressure 100-1000 PSI (tubing and condition dependent)
Temperature Range sub-zero to +275°F (Buna N sleeves) up to +450°F (Viton® seals)

Air Brake - AB Fittings
 Easy to assemble brass fittings that require no flaring. For use with copper tubing in air brake systems. Can be used with SAE J844 nylon tubing with addition of NTA tube support.
Working Pressure 400 PSI
Temperature Range -65° to +250°F

Air Brake - NTA® Fittings
 Brass fittings with ribbed sleeve for compression and positive grip. Meets functional requirements of SAE J246 and SAE J1131. For use with SAE J844 Type A and B nylon tubing.
Working Pressure 150 PSI
Temperature Range -40° to +200°F

SAE 45° Flared Fittings
 Economical brass fittings that resist mechanical pullout. Can be assembled and disassembled repeatedly. For use with copper, brass, aluminum and welded steel hydraulic tubing that can be flared, or as an SAE hose adapter.
Working Pressure 450 to 2800 PSI (tubing dependent)
Temperature Range -65° to +250°F

Air Brake Hoses & Ends
 Brass fittings for easily assembled and disassembled air brake hose connections. Hose ends will meet D.O.T. FMVSS 571.106 performance specifications when used with SAE J1402 hose.
Working Pressure 125 PSI
Temperature Range -40° to +120°F

Transmission Fittings
 Brass fittings utilizing specially designed slotted sleeve to help eliminate notch stress related to over-torque. For use with SAE J844 Type A nylon tubing in pressure protected truck air transmission systems.
Working Pressure 0 to 150 PSI
Temperature Range -40° to +200°F

Lanyard Valves
 Compact brass valve designed for releasing condensate from air tanks. Specially formulated low temperature seal remains elastic down to -40°F.
Working Pressure 150 PSI
Temperature Range -40° to +200°F

Pipe Fittings
 Brass fittings meeting all functional SAE J512 industry requirements, with all threads made to Dryseal standards. For use with brass, copper or iron pipe.
Working Pressure to 1000 PSI
Temperature Range -65° to +250°F

Garden Hose Fittings
 Hose barb ends for use with 97HC hose clamp, or equivalent. All pipe threads are made to Dryseal standards.
Working Pressure to 75 PSI (dependent on hose rating)
Temperature Range +35° to +100°F

DAT Fittings
 Designed to work with Parker's PAT nylon tubing in pure air and gas distribution systems. Symmetrical design of sleeve ensures that it cannot be improperly assembled on the tubing.
Working Pressure To 150 PSI
Temperature Range -40° to +200°F

Needle Valves
 Brass valves with metal-to-metal seats and fine-thread screwdown for positive sealing up to valve capacity.
Working Pressure 150 PSI
Temperature Range -30° to +250°F (Poly-Tite Needle Valves: 0° to +150°)

Access Valves
 Brass valves offering convenient, low cost access ports for refrigeration service. Access valves feature 1/4" SAE male flare access ports and finger-tight quick seal cap.
Working Pressure 500 PSI
Temperature Range -40° to +400°F

Male/Female Straight Thread O-Ring Ball Valve Series 510P
 High quality forged brass valves with male/female straight threads and nitrile O-ring, highly inert PTFE seats and seals, optimum flow design, and blow-out proof stem.
Working Pressure 29in. Hg Vacuum to 600 PSI (Vented, 250 PSI)
 150 PSI saturated steam
Temperature Range 0° to +350°F

Female/Female Straight Thread O-Ring Ball Valve Series 506P
 High quality forged brass valves with female/female straight threads, highly inert PTFE seats and seals, optimum flow design, and blow-out proof stem.
Working Pressure 29in. Hg Vacuum to 600 PSI (Vented, 250 PSI)
 150 PSI saturated steam
Temperature Range 0° to +350°F

UL Ball Valve Series 500PUL
 Forged brass ball valves designed for gas line service with flammable liquids (YR BX), LP gas (Y50T), and Compressed Gas (YQNZ).
Working Pressure 29 in. Hg Vacuum to 300 PSI
 150 PSI saturated steam
Temperature Range 0° to +250°F

Carbon Steel Ball Valve Series 506CS
 Female SAE straight thread with full flow design allows for maximum system efficiency. Highly inert PTFE seats and seals combined with an external phosphate coating provide superior corrosion resistance.
Working Pressure 29 in. Hg Vacuum to 300 PSI
 150 PSI saturated steam
Temperature Range 0° to +450°F

Carbon Steel Ball Valve Series 506HP/507HP
 High pressure valves featuring Delrin™ seats with Molydenum disulphide (MoS2) results in lower actuation torque and will increase high duty life cycle expectancy.
Working Pressure To 6000 PSI
Temperature Range 0° to + 180°F

Stainless Steel Series 501SS
 Valve is manufactured from CF-8M stainless steel, the cast equivalent of 316 stainless steel, male/female pipe threads, reinforced PTFE seats and seals, optimum flow and blowout proof stem.
Working Pressure To 2000 PSI (1/4" - 1")
 To 1500 PSI (1-1/4" - 2")
 150 PSI Saturated steam
Temperature Range 0° to +400°F

Drain Cocks/Ground Plug Shutoff Cocks
 Economical, high quality brass drain cocks are available with either external or internal seats. Economical shutoff cocks are manufactured for extra strength.
Working Pressure Drain Cocks: to 150 PSI
 Shutoff Cocks: to 30 PSI
Temperature Range +32° to +125°F

ISO Port Adapters
 A comprehensive range of ISO port adapters for various sizes of metric threads and end configurations.
Working Pressure Dependent on tubing or hole end connection.
Temperature Range -65° to +250°F

SAE Cartridges
 Designed for both soft metal and plastic cavity applications. SAE cartridges are thoroughly tested to meet or exceed the performance requirements of DOT FMVSS 571.106, SAE J1131 and the proposed dimensional standard SAE J2494-4 in 6061-T6 aluminum.
Working Pressure Vacuum to 250 PSI
Temperature Range -40° to +200°F

Stainless Steel Ball Valve Series 506SS
 Manufactured from CF-8M stainless steel, the cast equivalent of 316 stainless steel, with female/female SAE straight threads.
Working Pressure 2000 PSI (1/4" - 1")
 1500 PSI (1-1/4" - 2")
 150 PSI Saturated steam
Temperature Range 0° to +400°F

Brass Ball Valve Series MV708/709
 Designed for use in confined or hard-to-reach areas, this miniature 2-way ball valve offers a barstock body with male pipe, female pipe ends.
Working Pressure To 500 PSI
Temperature Range 0° to +250°F

Locking Handle Ball Valve
 A lever handle locking option is available on most standard Parker Ball Valves. Brass ball valves also are offered with a vented option for pressure relief to meet OSHA Standard 29CFR part 1910.
Working Pressure To 2000 PSI (1/4" - 1")
 1500 PSI (1-1/4" - 2")
 150 PSI Saturated steam
Temperature Range 0° to +400°F

Stem Extender Kit
 Parker Stem Extenders can be attached easily to any standard size Parker Ball Valve. Kits are available in 1-1/4" and 2-1/4" clearances for Parker Brass Ball Valves up to 1" and Parker Stainless Steel Ball Valves up to 2". All stem extender components are made from 300 Series stainless steel.

Rotary Actuator
 A reliable dual vane actuator delivering maximum torque in a small envelope size. Torque output is uniform in both directions, with zero backlash for precise positioning, and guaranteed zero external leakage. For 1/4" - 1" Parker Ball Valves in brass and stainless steel.
Breakaway Pressure 75 PSI minimum
Temperature Range -40° to +180°F
Air Supply Pressure 75° to 150 PSI

90° Ball Valve Series 590/591P
 Male/female and male/male right angle ball valves designed to provide reliable power line shut-off for gasoline and diesel fueled over-the-highway, off-road and construction equipment vehicles.
Working Pressure To 250 PSI
Temperature Range -50° to +350°F

Prestolok® Fittings
 One piece brass fittings for use with polyethylene, nylon or soft metal tubing, and polyurethane tubing with an internal tube support.
Working Pressure Vacuum to 300 PSI (tubing and temperature dependent)
Temperature Range 0° to +200°F

Prestolok II® Fittings
 Compact one-piece fittings with an engineered plastic body and brass components. For use with nylon, polyethylene and polyurethane tubing.
Working Pressure Vacuum to 150 PSI (tubing and temperature dependent)
Temperature Range 0° to +150°F

Presto® Encapsulated Cartridges
 Self-aligning press-fit cartridges available with color-coded release buttons. For use with nylon, polyethylene, polyurethane, and soft metal tubing.
Working Pressure Vacuum to 300 PSI (tubing dependent)
Temperature Range -40° to +200°F

Brass Manifolds
 Convenient junction for multi-branch distribution lines for air, water, or hydraulic applications.
Outlet Ports Five 1/8" & five 1/4" NPTF
Inlet Ports Two 3/8" NPTF
Working Pressure to 1000 PSI
Temperature Range -65° to +250°F

Miniature Flow Controls
 Miniature right angle flow controls with push-in connection. Available in both control knob and knobless styles.
Working Pressure To 135 PSI
Temperature Range +30° to +150°F

Bottle Gas Fittings
 Brass fittings with UL listing for LP gas systems. Pipe threads are made to Dryseal standards.
Working Pressure 250 PSI
Temperature Range -65° to +200°F

ISO Port Adapters
 A comprehensive range of ISO port adapters for various sizes of metric threads and end configurations.
Working Pressure Dependent on tubing or hole end connection.
Temperature Range -65° to +250°F

SAE Cartridges
 Designed for both soft metal and plastic cavity applications. SAE cartridges are thoroughly tested to meet or exceed the performance requirements of DOT FMVSS 571.106, SAE J1131 and the proposed dimensional standard SAE J2494-4 in 6061-T6 aluminum.
Working Pressure Vacuum to 250 PSI
Temperature Range -40° to +200°F

Male/Female Straight Thread O-Ring Ball Valve Series 510P
 High quality forged brass valves with male/female straight threads and nitrile O-ring, highly inert PTFE seats and seals, optimum flow design, and blow-out proof stem.
Working Pressure 29in. Hg Vacuum to 600 PSI (Vented, 250 PSI)
 150 PSI saturated steam
Temperature Range 0° to +350°F

Female/Female Straight Thread O-Ring Ball Valve Series 506P
 High quality forged brass valves with female/female straight threads, highly inert PTFE seats and seals, optimum flow design, and blow-out proof stem.
Working Pressure 29in. Hg Vacuum to 600 PSI (Vented, 250 PSI)
 150 PSI saturated steam
Temperature Range 0° to +350°F

UL Ball Valve Series 500PUL
 Forged brass ball valves designed for gas line service with flammable liquids (YR BX), LP gas (Y50T), and Compressed Gas (YQNZ).
Working Pressure 29 in. Hg Vacuum to 300 PSI
 150 PSI saturated steam
Temperature Range 0° to +250°F

Carbon Steel Ball Valve Series 506CS
 Female SAE straight thread with full flow design allows for maximum system efficiency. Highly inert PTFE seats and seals combined with an external phosphate coating provide superior corrosion resistance.
Working Pressure 29 in. Hg Vacuum to 300 PSI
 150 PSI saturated steam
Temperature Range 0° to +450°F

Carbon Steel Ball Valve Series 506HP/507HP
 High pressure valves featuring Delrin™ seats with Molydenum disulphide (MoS2) results in lower actuation torque and will increase high duty life cycle expectancy.
Working Pressure To 6000 PSI
Temperature Range 0° to + 180°F

Stainless Steel Series 501SS
 Valve is manufactured from CF-8M stainless steel, the cast equivalent of 316 stainless steel, male/female pipe threads, reinforced PTFE seats and seals, optimum flow and blowout proof stem.
Working Pressure To 2000 PSI (1/4" - 1")
 To 1500 PSI (1-1/4" - 2")
 150 PSI Saturated steam
Temperature Range 0° to +400°F

Drain Cocks/Ground Plug Shutoff Cocks
 Economical, high quality brass drain cocks are available with either external or internal seats. Economical shutoff cocks are manufactured for extra strength.
Working Pressure Drain Cocks: to 150 PSI
 Shutoff Cocks: to 30 PSI
Temperature Range +32° to +125°F

ISO Port Adapters
 A comprehensive range of ISO port adapters for various sizes of metric threads and end configurations.
Working Pressure Dependent on tubing or hole end connection.
Temperature Range -65° to +250°F

SAE Cartridges
 Designed for both soft metal and plastic cavity applications. SAE cartridges are thoroughly tested to meet or exceed the performance requirements of DOT FMVSS 571.106, SAE J1131 and the proposed dimensional standard SAE J2494-4 in 6061-T6 aluminum.
Working Pressure Vacuum to 250 PSI
Temperature Range -40° to +200°F

Stainless Steel Ball Valve Series 506SS
 Manufactured from CF-8M stainless steel, the cast equivalent of 316 stainless steel, with female/female SAE straight threads.
Working Pressure 2000 PSI (1/4" - 1")
 1500 PSI (1-1/4" - 2")
 150 PSI Saturated steam
Temperature Range 0° to +400°F

Brass Ball Valve Series MV708/709
 Designed for use in confined or hard-to-reach areas, this miniature 2-way ball valve offers a barstock body with male pipe, female pipe ends.
Working Pressure To 500 PSI
Temperature Range 0° to +250°F

Locking Handle Ball Valve
 A lever handle locking option is available on most standard Parker Ball Valves. Brass ball valves also are offered with a vented option for pressure relief to meet OSHA Standard 29CFR part 1910.
Working Pressure To 2000 PSI (1/4" - 1")
 1500 PSI (1-1/4" - 2")
 150 PSI Saturated steam
Temperature Range 0° to +400°F

Stem Extender Kit
 Parker Stem Extenders can be attached easily to any standard size Parker Ball Valve. Kits are available in 1-1/4" and 2-1/4" clearances for Parker Brass Ball Valves up to 1" and Parker Stainless Steel Ball Valves up to 2". All stem extender components are made from 300 Series stainless steel.

Rotary Actuator
 A reliable dual vane actuator delivering maximum torque in a small envelope size. Torque output is uniform in both directions, with zero backlash for precise positioning, and guaranteed zero external leakage. For 1/4" - 1" Parker Ball Valves in brass and stainless steel.
Breakaway Pressure 75 PSI minimum
Temperature Range -40° to +180°F
Air Supply Pressure 75° to 150 PSI

90° Ball Valve Series 590/591P
 Male/female and male/male right angle ball valves designed to provide reliable power line shut-off for gasoline and diesel fueled over-the-highway, off-road and construction equipment vehicles.
Working Pressure To 250 PSI
Temperature Range -50° to +350°F

Prestolok® Fittings
 One piece brass fittings for use with polyethylene, nylon or soft metal tubing, and polyurethane tubing with an internal tube support.
Working Pressure Vacuum to 300 PSI (tubing and temperature dependent)
Temperature Range 0° to +200°F

Prestolok II® Fittings
 Compact one-piece fittings with an engineered plastic body and brass components. For use with nylon, polyethylene and polyurethane tubing.
Working Pressure Vacuum to 150 PSI (tubing and temperature dependent)
Temperature Range 0° to +150°F

Presto® Encapsulated Cartridges
 Self-aligning press-fit cartridges available with color-coded release buttons. For use with nylon, polyethylene, polyurethane, and soft metal tubing.
Working Pressure Vacuum to 300 PSI (tubing dependent)
Temperature Range -40° to +200°F

Brass Manifolds
 Convenient junction for multi-branch distribution lines for air, water, or hydraulic applications.
Outlet Ports Five 1/8" & five 1/4" NPTF
Inlet Ports Two 3/8" NPTF
Working Pressure to 1000 PSI
Temperature Range -65° to +250°F

Miniature Flow Controls
 Miniature right angle flow controls with push-in connection. Available in both control knob and knobless styles.
Working Pressure To 135 PSI
Temperature Range +30° to +150°F

Bottle Gas Fittings
 Brass fittings with UL listing for LP gas systems. Pipe threads are made to Dryseal standards.
Working Pressure 250 PSI
Temperature Range -65° to +200°F

ISO Port Adapters
 A comprehensive range of ISO port adapters for various sizes of metric threads and end configurations.
Working Pressure Dependent on tubing or hole end connection.
Temperature Range -65° to +250°F

SAE Cartridges
 Designed for both soft metal and plastic cavity applications. SAE cartridges are thoroughly tested to meet or exceed the performance requirements of DOT FMVSS 571.106, SAE J1131 and the proposed dimensional standard SAE J2494-4 in 6061-T6 aluminum.
Working Pressure Vacuum to 250 PSI
Temperature Range -40° to +200°F

Male/Female Straight Thread O-Ring Ball Valve Series 510P
 High quality forged brass valves with male/female straight threads and nitrile O-ring, highly inert PTFE seats and seals, optimum flow design, and blow-out proof stem.
Working Pressure 29in. Hg Vacuum to 600 PSI (Vented, 250 PSI)
 150 PSI saturated steam
Temperature Range 0° to +350°F

Female/Female Straight Thread O-Ring Ball Valve Series 506P
 High quality forged brass valves with female/female straight threads, highly inert PTFE seats and seals, optimum flow design, and blow-out proof stem.
Working Pressure 29in. Hg Vacuum to 600 PSI (Vented, 250 PSI)
 150 PSI saturated steam
Temperature Range 0° to +350°F

UL Ball Valve Series 500PUL
 Forged brass ball valves designed for gas line service with flammable liquids (YR BX), LP gas (Y50T), and Compressed Gas (YQNZ).
Working Pressure 29 in. Hg Vacuum to 300 PSI
 150 PSI saturated steam
Temperature Range 0° to +250°F

Carbon Steel Ball Valve Series 506CS
 Female SAE straight thread with full flow design allows for maximum system efficiency. Highly inert PTFE seats and seals combined with an external phosphate coating provide superior corrosion resistance.
Working Pressure 29 in. Hg Vacuum to 300 PSI
 150 PSI saturated steam
Temperature Range 0° to +450°F

Carbon Steel Ball Valve Series 506HP/507HP
 High pressure valves featuring Delrin™ seats with Molydenum disulphide (MoS2) results in lower actuation torque and will increase high duty life cycle expectancy.
Working Pressure To 6000 PSI
Temperature Range 0° to + 180°F

Stainless Steel Series 501SS
 Valve is manufactured from CF-8M stainless steel, the cast equivalent of 316 stainless steel, male/female pipe threads, reinforced PTFE seats and seals, optimum flow and blowout proof stem.
Working Pressure To 2000 PSI (1/4" - 1")
 To 1500 PSI (1-1/4" - 2")
 150 PSI Saturated steam
Temperature Range 0° to +400°F

Drain Cocks/Ground Plug Shutoff Cocks
 Economical, high quality brass drain cocks are available with either external or internal seats. Economical shutoff cocks are manufactured for extra strength.
Working Pressure Drain Cocks: to 150 PSI
 Shutoff Cocks: to 30 PSI
Temperature Range +32° to +125°F

ISO Port Adapters
 A comprehensive range of ISO port adapters for various sizes of metric threads and end configurations.
Working Pressure Dependent on tubing or hole end connection.
Temperature Range -65° to +250°F

SAE Cartridges
 Designed for both soft metal and plastic cavity applications. SAE cartridges are thoroughly tested to meet or exceed the performance requirements of DOT FMVSS 571.106, SAE J1131 and the proposed dimensional standard SAE J2494-4 in 6061-T6 aluminum.
Working Pressure Vacuum to 250 PSI
Temperature Range -40° to +200°F

Stainless Steel Ball Valve Series 506SS
 Manufactured from CF-8M stainless steel, the cast equivalent of 316 stainless steel, with female/female SAE straight threads.
Working Pressure 2000 PSI (1/4" - 1")
 1500 PSI (1-1/4" - 2")
 150 PSI Saturated steam
Temperature Range 0° to +400°F

Brass Ball Valve Series MV708/709
 Designed for use in confined or hard-to-reach areas, this miniature 2-way ball valve offers a barstock body with male pipe, female pipe ends.
Working Pressure To 500 PSI
Temperature Range 0° to +250°F

Locking Handle Ball Valve
 A lever handle locking option is available on most standard Parker Ball Valves. Brass ball valves also are offered with a vented option for pressure relief to meet OSHA Standard 29CFR part 1910.
Working Pressure To 2000 PSI (1/4" - 1")
 1500 PSI (1-1/4" - 2")
 150 PSI Saturated steam
Temperature Range 0° to +400°F

Stem Extender Kit
 Parker Stem Extenders can be attached easily to any standard size Parker Ball Valve. Kits are available in 1-1/4" and 2-1/4" clearances for Parker Brass Ball Valves up to 1" and Parker Stainless Steel Ball Valves up to 2". All stem extender components are made from 300 Series stainless steel.

Rotary Actuator
 A reliable dual vane actuator delivering maximum torque in a small envelope size. Torque output is uniform in both directions, with zero backlash for precise positioning, and guaranteed zero external leakage. For 1/4" - 1" Parker Ball Valves in brass and stainless steel.
Breakaway Pressure 75 PSI minimum
Temperature Range -40° to +180°F
Air Supply Pressure 75° to 150 PSI

90° Ball Valve Series 590/591P
 Male/female and male/male right angle ball valves designed to provide reliable power line shut-off for gasoline and diesel fueled over-the-highway, off-road and construction equipment vehicles.
Working Pressure To 250 PSI
Temperature Range -50° to +350°F

Microlok® Fittings
 Compact, one-piece push-on fittings for quick, economical connections with polyethylene, polyurethane and nylon tubing.
Working Pressure to 150 PSI
Temperature Range 0° to +150°F

Integrated Valves
 Right angle and in-line flow controls, blocking valves and slow start valves.
Working Pressure to 145 PSI
Temperature Range +5° to +150°F

Dubl-Barb® Fittings
 Compact, one-piece push-on barbed fittings for quick, economical connections with high-quality polyethylene tubing.
Working Pressure to 150 PSI
Temperature Range -65° to +75°F

Poly-Tite® Fittings
 Compact brass compression fittings with exclusive sleeve that grips plastic tubing even when system pressure exceeds tubing bursting point. For use with high-quality thermoplastic and soft metal tubing.
Working Pressure to 150 PSI (thermoplastic) to 300 PSI (soft metal)
Temperature Range 0° to +150°F (thermoplastic) 0° to +175°F (soft metal)

Euro Brass Fittings
 A complete selection of brass adapters, pre-assembled compression fittings, pneumatic integrated fittings, and brass and plastic Prestolok fittings in metric sizes for threaded pipe and tubing. Working pressures and temperature ranges are dependent upon the fittings, and type and size of tubing. For complete information refer to Catalog 3550 USA.

Tools & Tube Fabricating Equipment
 Parker offers a complete range of tools and equipment including, Tube Cutters, Tube Benders, 45° Flaring Tools, Tubing Tool Kits containing combinations of tools to cut, flare, and/or ream tube end connections, Swaging Tools, Par-Lok® Wrenches with drop-forged, high carbon steel jaws and a black conversion coat finish, and Tube Fabri-cating Equipment including Pinch Off Tool, In-Ex® Tube Deburring Tool, Tru-Kut® Sawing Vise, and Multi-Flame Torch. Copper tubing is available in 50-foot coiled rolls in 1/4" & 3/8" (.032 Wall) and 1/2" & 3/8" (.049 Wall) sizes.

3-Piece Swing Out Ball Valve Series 504SS
 Parker Three-Piece, Swing-Out Stainless Steel Ball Valves allow valve seats and seals to be quickly replaced without disturbing pipe alignment.
Working Pressure To 1000 PSI
Temperature Range 0° to +400°F

Solder End Ball Valve Series 509P
 High quality forged brass valves designed to be soft soldered into water and air service lines without disassembly. This allows installation without disturbing the seats and seals.
Working Pressure to 600 PSI (150 PSI saturated steam)
Temperature Range 0° to +350°F

Brass Ball Valve Series BVGC
 Full flow, nickel-plated valve with female BSPP short threads to ISO-228.
Working Pressure To 435 PSI
Temperature Range 0° to +250°F

Brass Ball Valve Series BVGL
 Full flow nickel-plated valve with female BSPP long threads to DIN 2999 / ISO-228.
Working Pressure To 435 PSI
Temperature Range 0° to +250°F

Brass Ball Valve Series BVGLOCK
 Designed to meet the requirements of European Directive D189/392/CEE relating to isolation of power supply and to meet the health and safety requirements for machines and materials in paragraphs L233-5 of the code du Travail.
Working Pressure To 435 PSI
Temperature Range 0° to +250°F

Brass Ball Valve Series MVBG
 Compact design of valve offers solution to applications where space limitation is a factor. Valves have female BSPP threads and PTFE seats.
Working Pressure To 215 PSI
Temperature Range 0° to +250°F

ACCESSORIES

Bins
 Parker Bin Compartments have open hole storage bins for easy visual identification and retrieval. In addition, Parker Brass offers a range of stackable unit cabinets with slide out drawers and dividers to create compact, expandable point-of-purchase displays. Self-adhesive bin labels are available for identifying Parker fittings and valves. The general line set includes all product lines. Individual product