



Polypropylene Ball Valve Quick Reference Guide

Meeting the Demands of Industrial Applications



ENGINEERING YOUR SUCCESS.

Polypropylene Ball Valves



Specifications:

Pressure Range

- Up to 150 PSI (10.3 bar)

Temperature

- +35° to +200°F
(+2° to +93°C)

Features:

- High temperature, scale-resistant polysulfone ball
- NPT threads - Male and female ends
- Inch and metric tube size available
- Polypropylene material - available in black and white
- Meet all FDA, NSF/ANSI 51 requirements
- LIQUIfit, ParBarb, and Trueseal meet NSF/ANSI 61 requirements

Parker's polypropylene ball valves save cost with built-in connections eliminating the need for a secondary fitting. The compact design allows for easy assembly and access where space is at a premium. Polypropylene ball valves meets all FDA and NSF-51 requirements for food contact.

Fast & Tite

Connection Type:

Compression utilizing stainless steel gripping ring

Compatible Tubing:

Fluoropolymer, Nylon, Polyethylene, Polypropylene, Polyurethane, Soft Copper, Vinyl

Trueseal

Connection Type:

Push-to-connect utilizing collet

Compatible Tubing:

Fluoropolymer, Nylon, Polyethylene, Polypropylene, Polyurethane, Vinyl

ParBarb

Connection Type:

Barbed

Compatible Tubing:

Polyurethane, Rubber Hose, Vinyl

LIQUIfit

Connection Type:

Push-to-connect utilizing cartridge

Compatible Tubing:

Polyethylene

Applications

- Water Filtration
- Beverage Dispensing
- Bottling
- Semi-conductor
- Chemical
- Coffee equipment
- Ice makers
- Dialysis machines



Certified to ANSI/NSF 61



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Custom Ball Valve Solutions for OEMs

Parker FSC has the capability to create custom OEM parts tailored to your specific application.

In situations where standard ball valves aren't suitable, Parker offers special order and custom assemblies. Our team of highly skilled, US-based engineers can design a part based on your requirements, develop a prototype, and complete testing based on designated criteria or specific specifications. Common applications include water filtration units, desalinization units, coffee and beverage dispensing machines, dialysis machines, car wash systems, and ice makers.



Colored Handles & Collets

Black, blue, green, grey, orange red, and yellow colors available upon request. Metal gripping collets available in acetal or kynar materials.



Custom Labeling

Ink jet printing available on body of ball valve. Including but not limited to branding, numbering, safety details, etc.



Oxygen Cleaning

Parker meets ISO 15001, and CGA.4.1, and ASTM G93 specifications. Products are packed in a static-free sealed bag, labeled to indicate cleanliness level, and a Certificate of Conformance included.

The Process

1. Customer Input & Objectives

Parker's team of engineers will work with you to understand the requirements for your application, including specifications for size, temperature, application, media, and pressure.

2. Define Part Attributes

Based on your objectives and the specifications, our engineers then define the part attributes including type of end connections and material selection.

3. Design Non-Standard Fitting or Modify Existing Fitting

Our team of engineers will either modify a standard fitting or create an entirely new design. Prints and CAD models will be provided for your review.

4. Create Prototype

After the design has been agreed upon, a prototype is created. This may involve the creation of a new mold for composite bodies.

5. Approval & Testing

Upon your approval, we will complete any necessary testing. Testing will always depend on the specific valve designed; this may be as part of a specification or due to your own internal requirements.

Custom options include:

- Integrated Check Valve
- Optional Seal Materials
- Threads
- Configurations
- Handles
- Collets
- Labeling
- Oxygen Cleaning

Ball Valve Clip:



Allows for ease of mounting onto your system to secure

components in applications that experience vibration

Parker Fluid Connectors Group

North American Divisions & Distribution Service Centers

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

Fittings:

Available in fractional inch and metric sizes covering BSP thread configurations, manufactured from steel, stainless steel, brass, aluminum, nylon and thermoplastic.

Worldwide Availability:

Parker operates Fluid Connectors manufacturing locations and sales offices throughout North America, South America, Europe and Asia-Pacific.

For information, call toll free:

**1-800-C-Parker
(1-800-272-7537)**

North American Divisions

Energy Products Division

Stafford, TX
phone 281 566 4500
fax 281 582 5271

Fluid System Connectors Division

Otsego, MI
phone 269 694 9411
fax 269 694 4614

Hose Products Division

Wickliffe, OH
phone 440 943 5700
fax 440 943 3129

Parflex Division

Ravenna, OH
phone 330 296 2871
fax 330 296 8433

Quick Couplings Division

Minneapolis, MN
phone 763 544 7781
fax 763 544 3418

Tube Fittings Division

Columbus, OH
phone 614 279 7070
fax 614 279 7685

Distribution Service Centers

Buena Park, CA

phone 714 522 8840
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Conyers, GA

phone 770 929 0330
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Louisville, KY

phone 502 937 1322
fax 502 937 4180

Portland, OR

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