Size
1/4" - 4" (Full Port Tube OD)
1500 WOG

End Connections
Extended Tube OD
Short Tube OD
Socket Weld Tube OD
Clamp Ends
Compression Fitting (AVCO-LOK)
Vacuum Fitting

Valve Materials
316L Stainless Steel
Various Alloys

Ball and Stem Materials
316L Stainless Steel
Various Alloys

Seat Materials
TFM
PEEK
UHMWPE

Options
Cavity Filled Seats
Purge Ports
Electro-Polish
Mechanical Polish to 10 Ra

Service Applications
Biotech
Clean Steam
Cleaning Solutions
Detergents
Gas and Air Delivery
High Purity Gases
High Purity Water/Oils
Pharmaceutical
Vacuum
Waxes

Applicable Standards
ASME B16.34
ASME-BPE
ISO 5211

Ball and Valve Materials
2700 Series
AVCO
Alloy Valves and Control

3210 S. Susan St, Santa Ana, CA 92704 Tel (714) 427-0877 Fax (714) 427-6392 Website: www.avcovalve.com
BALL VALVES
2700 SERIES

1/2” THRU 2” Butt Weld OD & Extended Tube OD

Plan View with Handle Removed

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2 1/2” THRU 4” Butt Weld OD & Extended Tube OD

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1/2” THRU 2” Socket Weld Tube OD

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2 1/2” THRU 4” Socket Weld Tube OD

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### 1/2” THRU 2” Clamp Ends

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### 2 1/2” THRU 4” Clamp Ends

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**1/4” THRU 1” Compression Fitting (AVCO-LOK)**

**Common to all Valves**

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**General Notes**

**All Valves**
1. Special customized end connections can be supplied to all valves upon request.
2. All valves can be adapted for cryogenic use.
3. All valves can have bonnet extensions added, which is particularly useful for flush tank pad applications.

**Compression Fitting Ends**
1. Valve sizes 1/4” and 3/8” can be supplied with a bracket to prevent tube twist upon valve operation.
Ball Options

90 Degree Diverter Ball
Media flows between port 1 and port 3 when the valve handle is in-line with pipeline. Upon 90 degree rotation the media is diverted to flow between port 2 and port 3. The valve handle can be locked off in either position thus preventing unwanted tampering.

180 Degree Diverter Ball
Media flows between port 1 and port 3 and can be locked off in this position. Upon 90 degree rotation the valve will be isolated resulting in no flow and can be locked off. Upon 180 degree rotation the flow path diverts to port 2 and port 3, but cannot be locked off.
Features

- 3 Piece Design
- Tube OD Bore
- 316L Stainless Body, Ball, Stem & Ends
- Inter-changeable Ends
- Standard Seats
- Cavity Filled Seats
- Electro-Polished Internal Bore to 10 Ra
- ISO 5211 Mounting Pad
- ASME-BPE Compliant

Pressure/Temperature Rating

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Item | Parts
--- | ---
1 | Body
2 | End Cap
3 | Ball
4 | Stem
5 | Ball Seat
6 | Body Seal
7 | Thrust Washer
8 | Packing
9 | Gland Ring
10 | Disc Spring
11 | Lock Tab
12 | Stem Nut
13 | Body Bolt
14 | Body Nut
15 | Stop Pin
16 | Handle
17 | Handle Sleeve
18 | Wrench Block
19 | Handle Bolt
20 | Lock Pad
**Electric Actuator**
- 120 VAC
- 12/24 VDC
- NEMA 4/7
- Positioners 4-20 mA
- Reversing
- Telemetry
- Battery Back-up
- Spring Return

**Pneumatic Actuator**
- Double Acting
- Spring Return
- Solenoid Valves
- Limit Switches
- Positioners 3-15 psi
- Positioners 4-20 mA
- Intelligent Postioner
- Declutchable Manual Override

**Manual Valves**
- Oval Handle
- Spring Return
- Fusible Link
- Locking Device
- Gear Operators
- Stem Extensions
- Wing Handle

---

### How to Order

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**Variations of the above or special ends can be supplied upon request**

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