**Size**
1/4" - 4" (Full Port)
2000 WOG

**End Connections**
NPT
Butt Weld
Socket Weld
Flanged (150#, 300#, 600#)

**Valve Materials**
316 Stainless Steel
Carbon Steel
Hastelloy C
Monel

**Ball and Stem Materials**
316 Stainless Steel
Hastelloy B & C
Monel 400
Alloy 20

**Seat Materials**
Teflon (PTFE)
25% Carbon Filled Teflon
15% Glass Filled Teflon
Kel-F (PCTFE)
PEEK
UHMWPE
Metals

**Service Applications**
Chemical
Dry/Liquid Chlorine
Food Processing
Hydraulic
Oxygen
Steam
Thermal Fluids
Vacuum
Water/Oil/Gas

**Applicable Standards**
ASME B16.34
API 598
1/4" THRU 2" (NPT, BW, SW)

Plan View with Handle Removed

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1/2" THRU 2" (Standard Flanged Ends 150#, 300#, 600#)

Note
Please contact AVCO if you require flanged ends to be other than standard raised face.

See main table on this page for all other dimensions
Notes

Please contact AVCO if you require customized versions of our valves. CAD drawings are available for most variations, including actuators etc.
**Features**

ANSI Class 150#, 300# & 600#
2000 WOG
Encapsulated Seats, Seals & Body Bolts
Spring Loaded Stem Packing
Bottom Entry Stem to Prevent Blow-Out
ISO 5211 Mounting Pad
Locking Handle
Inter-Changeable End Connections
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.
Cryogenic Option
The AVCO 1700 series ball valves are available as cryogenic valves. The extended bonnet can be shortened or lengthened to suit many applications and is also available ‘off the shelf’ in standard lengths (see 1500 series literature).

Fugitive Emissions Option
The AVCO 1700 series ball valves can be supplied with fugitive emissions (sniffer) bonnets. This gives an early warning system when the valve stem packing is becoming worn and ready for renewal, thus preventing dangerous chemicals/gases from entering the surrounding environment.

Vee Port and Slotted Ball Option
The AVCO 1700 series ball valves can be supplied with vee port or slotted balls for greater control and accuracy. Many configurations are available to suit the needs of the customer.
**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 Positioner
- Declutchable Manual Override

**Manual Valves**
- Oval Handle
- Spring Return
- Fusible Link
- Lock Device
- Gear Operators

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**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Series</th>
<th>Body &amp; End Material</th>
<th>Ball &amp; Stem Material</th>
<th>Seat Material</th>
<th>Seal Material</th>
<th>End Style</th>
<th>Size</th>
<th>Options</th>
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<tr>
<td>1700 Series 3 Piece Bottom Entry Diverter Ball Valve</td>
<td>1 - Carbon Steel 1L - Low Grade Carbon</td>
<td>2 - Alloy 20 3 - 316 SS</td>
<td>T - Teflon (PTFE) R - 15% Glass PTFE C - 25% Carbon PTFE P - PEEK U - UHMWPE K - Kel-F (PCTFE) B - Bronze S - Stellite I - Inconel</td>
<td>T - Teflon (PTFE) C - 25% Carbon PTFE G - Graphoil B - BUNA N E - EPDM V - Viton N - Neoprene</td>
<td>SE - NPT SW - Socket Weld BW - Butt Weld GR - Grooved FBT - Flush Bottom Tank BSP - British Standard Pipe AN - Army Navy 150 - 150# Flange 300 - 300# Flange 600 - 600# Flange</td>
<td>025 - 1/4” 038 - 3/8” 050 - 1/2” 075 - 3/4” 100 - 1” 125 - 1 1/4” 150 - 1 1/2” 200 - 2” 250 - 2 1/2” 300 - 3” 400 - 4”</td>
<td>BAB90 - 90° Rotation Ball BAB180 - 180° Rotation Ball BAH1 - Hardened Ball BNE - Emissions Bonnet CF - Cavity Filled OZCB - OZ Clean/Bagged LH - Locking Lever Handle</td>
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</tbody>
</table>

Example ordering codes:
- 1733TT-SE-100-BAB90 = 1” ball valve with stainless steel body/ball, Teflon seats/seals, NPT ends, 90° Rotation Ball & locking lever handle
- 1144PG-150-100-BAB180 = 1” ball valve with Monel 400 body/ball, PEEK seats, Graphoil Seals, 150# RF Flange, 180° Rotation Ball and bare stem

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