WARRANTY
The Series BV2FH warranties from defects in materials and workmanship are covered for (1) year from the date of purchase. In the unlikely event the valve should fail, the unit can be returned to the factory for warranty repair if the warranty period has not expired. Be sure to include a brief description of the problem plus any relevant application notes. Contact our customer service department for an RGA number and to set up the return.

The Series 3BV2FH 3-Way Stainless Steel Flange Ball Valve is designed to meet ANSI B16.34 flange standards and features ANSI 150# flanged ends for easy installation. This full port valve is ideal for mixing applications. An ISO 5211 mounting pad accepts direct mounting of pneumatic and electric actuators. All sizes from 1/2 to 4˝ have excellent flow rates with minimal pressure drops. The series 3BV2FH has a 4-seat design for high cycles and increases performance from high quality 316 SS ball and stem construction.

OPERATIONS
Manual Operations-To operate the valve, turn the handle 90° (1/4 turn). Valve in position 1: the handle is parallel (in line) with the valve pipeline. Valve in position 2: the handle is perpendicular (crossed) with the valve or pipeline.

Automated Operation-Valves with actuators should be checked for stem alignment. Most applications are direct mount to the actuator, greatly reducing any sideload or increased torque. Make sure that all insert adapters are properly placed on the valve stem and fully engaged in the actuator.

INSTALLATION
General Information for On-Site Installation-The valve may be fitted in any position in the pipeline. For automated operation, W.E. Anderson recommends that the valve and actuator be installed vertically in case of valve leakage, although this is not necessary for proper operation of the valve. Prior to installation, inspect valve and pipe ends to make sure they are free from debris. Materials trapped inside the valve can cause damage to the seats and result in leakage. The flow may be in either direction of the valve. It is recommended to use expanded PTFE or rubber gasket on a flat-faced flange. Flange bolts should be used and evenly torqued using a torque wrench.

SPECIFICATIONS
Service: Compatible liquids and gases.
Line Size: 1/2 to 4˝.
End Connection: 150# flange.
Pressure Limit: 275 psi (19 bar).
Wetted Materials:
- Body and ends: CF8M;
- Ball and stem: 316 SS;
- Stem packing: TFE;
- Seats: RTFE 1/2 to 2˝; TFE 2-1/2 to 4˝.
Temperature Limit: 450°F (232°C).
Other Materials:
- Packing gland, belleville washer, gland nut, handle nut, stop pin, handle bolt, handle, bolts and nuts: 304 SS;
- Bushing: PTFE;
- O-ring: FKM;
- Blind cap and bonnet: CF8M;
- Gasket and body seal: TFE.

<table>
<thead>
<tr>
<th>Port Configuration</th>
<th>Flow Path</th>
<th>Position 1</th>
<th>Position 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;T&quot; Port</td>
<td>A-B</td>
<td>A-C</td>
<td></td>
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<tr>
<td>&quot;L&quot; Port</td>
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