

**TROUBLESHOOTING GUIDE FOR BUTTERFLY VALVES**

<b>PROBLEM</b>	<b>CAUSES</b>	<b>REMEDIES</b>
Leakage between valve and actuator	<ul style="list-style-type: none"> <li>• Packing leak</li> </ul>	<ul style="list-style-type: none"> <li>• Clean packing bore and replace packing</li> </ul>
Bottom trunnion leaks	<ul style="list-style-type: none"> <li>• Packing or gasket leak</li> </ul>	<ul style="list-style-type: none"> <li>• Replace bottom shaft packing, O-ring or gasket</li> </ul>
Valve leaks when closed	<ul style="list-style-type: none"> <li>• Disc not fully closed or past fully closed</li> <li>• Disc edge wear or damage</li> <li>• Rubber seat wear or damage</li> </ul>	<ul style="list-style-type: none"> <li>• Adjust actuator closed position stop</li> <li>• Clean and/or repair disc edge</li> <li>• Adjust or replace valve seat (Bonded seat valves 20" or below must be returned to the factory for repair)</li> </ul>
Chainwheel jams	<ul style="list-style-type: none"> <li>• Poorly fitting chain</li> </ul>	<ul style="list-style-type: none"> <li>• Replace with correct chain</li> </ul>
Valve hard to operate	<ul style="list-style-type: none"> <li>• Foreign material in valve</li> <li>• Corroded actuator parts</li> <li>• Loose actuator</li> </ul>	<ul style="list-style-type: none"> <li>• Remove obstructions</li> <li>• Clean and grease actuator</li> <li>• Apply loctite or Omni-fit locking compound and tighten bolts</li> </ul>
Automatic valve does not actuate	<ul style="list-style-type: none"> <li>• No power source</li> <li>• Improper signal</li> <li>• Burned out or impaired component</li> </ul>	<ul style="list-style-type: none"> <li>• Check incoming power source and replace fuses or reset pressure</li> <li>• Check actuating signal sequence</li> <li>• Check and repair or replace solenoids, motors and relay devices</li> </ul>