The Series BV2IM SS Ball Valve with ISO Mounting Pad provides an economical, high quality stainless steel ball valve with an ISO mounting pad. The ISO 5211 mounting pad accepts direct mounting of pneumatic and electric actuators. The Series BV2IM body, ends, ball, and stem are made from high quality 316 SS. The valve offers a stem design providing additional protection against blow outs. Full port design allows for maximum flow rates with minimal pressure drops.

OPERATIONS

Manual Operations - To open or close the valve, turn the handle 90° (1/4 turn). Valve in OPEN position: the handle is parallel (in line) with the valve pipeline. Valve in CLOSED position: 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. Clean pipe ends and check for proper threading to prevent damage to valve internals. Use a PTFE based thread sealant applied to the pipe threads. Use a smooth wrench on the hex portion of the valve, not the valve body, to tighten. Use pipe wrenches on pipe and pipe fittings only.

SPECIFICATIONS

Service: Compatible liquids and gases.
Line Size: 1/4 to 3".
End Connection: Female NPT.
Pressure Limit: 1000 psi (69 bar).
Wetted Materials:
- Body and ends: CF8M;
- Ball and stem: 316 SS;
- Seat: RTFE.
Temperature Limit: 450°F (232°C); 366°F (186°C) steam maximum.
Other Materials:
- Gland nut, belleville washer, lock washer, handle nut, handle, and packing nut: 304 SS;
- Thrust washer, body seal, and stem packing: PTFE.

WARRANTY

The Series BV2IM 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.

DWYER INSTRUMENTS, INC.
P.O. BOX 373 • MICHIGAN CITY, INDIANA 46361, U.S.A.
Phone: 219/879-8000 www.dwyer-inst.com
Fax: 219/872-9057 e-mail: info@dwyer-inst.com