

**DeZURIK UNIVAL PORTED GATE VALVES**  
**Suggested Specification**

**APPLICATION DATA 38.01-2**  
July, 2012  
Supersedes March, 2009



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Valves shall be ported gate valves designed for bi-directional shut-off up to 150 psig CWP. Valve design shall isolate flowing media from the valve body in the open and closed positions. Port I.D. and Seat I.D. shall match mating ANSI B36.10 standard pipe I.D. to minimize head loss and turbulence.

Valves shall be cast of Ductile Iron or Stainless Steel with a 150 psig CWP minimum body rating. Valves shall be sealed so that process fluids do not leak to the atmosphere. Seats shall be process fluid pressure energized and shall be capable of venting internal body pressure to the piping system. Seats shall be molded elastomer bonded to stainless steel support rings and shall be field replaceable without requiring any special tools. The gate shall be guided and supported by independent thrust rings.

Face-to-face dimensions of the valve shall be in conformance with MSS-SP81 through 24 inch. Flange drilling shall be in conformance with ANSI Class 150; DIN 10 or BS 4504/10; or JIS 10 dimensions.

Valves shall be equipped with safety lockout locking pins in full closed position to prevent accidental operation during maintenance. Lockout device shall be designed to withstand full actuator thrust.

Valves shall be equipped with flush, drain and purge ports in the lower body cavity.

All valve stems shall have full boot protection to keep stems/actuator rods clean of transient trash or slurry.

All external fasteners shall be Stainless Steel.

Valves shall be Unival PGV as manufactured by DeZURIK or approved equal with ISO 9001 Certification.