

Kerotest Model-1 Gate Valve Flanged End—285 MOP, Natural Gas



Product Brief

The Kerotest Model-1 Steel Gate Valves feature metal-to-metal seats, some of the lowest operating torque in the industry and a packing designed to protect the environment. Choose from a full size range of 1-inch to 16-inch with a variety of end configurations and a pressure rating from 285 to 740 psi.

Customize your gate valves with locking devices, watertight high head extensions, operating square extensions, malleable iron circular hand-wheels, indicators, epoxy coating, body bleed taps, vent pipes.

Features/Benefits

- **Absolutely no maintenance**
- **No gland tightening**
- **No lubrication**
- **No adjustment of any kind**
- **Standard welding practices apply**
- **Full opening**—no significant pressure drop
- **Lowest operating torque** in the industry
- **Steel**—safety
- **Seat test** at 110% of rated pressure;
shell test at 150% of rated pressure
- **2-inch operation** square malleable iron
- **Buna-N™** O-Rings and V-Rings
- **Brass packing** actuator
- **Steel packing** gland cover
- **Steel bonnet** ASTM A-216 Grade WCB
- **Stainless steel stem**
- **Alloy steel cap screws**—ASTM A-574
- **Soft iron bonnet gasket**
(refinery gasket—fire proof)
- **Steel body**—ASTM A-216 Grade WCB



An Employee-Owned Company

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Ordering

Ordering Code Table—285 PSI ^①

| Size (in) | Valve Number | Pressure | 285 MOP | Approx. Weight (lb) |
|-----------|--------------|----------|---------|---------------------|
| 2 | 1F2 | 150 ANSI | 285 MOP | 35 |
| 3 | 1F2 | 150 ANSI | 285 MOP | 55 |
| 4 | 1F2 | 150 ANSI | 285 MOP | 80 |
| 6 | 1F2 | 150 ANSI | 285 MOP | 135 |
| 8 | 1F2 | 150 ANSI | 285 MOP | 245 |
| 10 | 1F2 | 150 ANSI | 285 MOP | 530 |
| 12 | 1F2 | 150 ANSI | 285 MOP | 745 |
| 16 | 1F2 | 150 ANSI | 285 MOP | 2035 |

^① Flat face flanges available on request.

Note: Valves built before July 10, 2006 have Class 150 API, 275 MOP rating.

Materials

| Name of Part | Description of Material |
|---------------------------|---|
| Body | Cast steel, ASTM A216, GR. WCB |
| Cover | Cast steel, ASTM A216, GR. WCB |
| Wedge | Cast iron, ASTM A216, GR. B |
| Stem | Stainless steel, ASTM A581 or A582, Type 416 or 410 |
| Gland | Carbon steel |
| Packing adapter | Brass |
| Packing set | Buna-N™ |
| Packing shim | Compressed fiber |
| Gland gasket | Compressed fiber |
| Cover gasket | Corrugated steel |
| Operating square | Cast ductile iron, ASTM A536, GR. 65-45-12 |
| Thrust washer | Brass, SAE 706 |
| O-Ring | Buna-N |
| Hex head cap screw | Steel, SAE GR. 5 |
| Hex socket head cap screw | Steel, ASTM A574 |
| Hex nut | Steel, zinc plated |
| Drive screw | Stainless steel |
| Rating tag | 18-8 Stainless steel |
| Nameplate | 18-8 Stainless steel |

Dimensions

| Size (in) | End-to-End (in) | C/L-to-Top (in) | Number of Turns | Temperature (°F) |
|-----------------|-----------------|-----------------|-----------------|------------------|
| 2 | 7 | 8-3/4 | 7-1/4 | -20 to +200 |
| 3 | 8 | 10-7/16 | 10-1/4 | |
| 4 | 9 | 12-11/16 | 13-1/4 | |
| 6 | 10-1/2 | 16-7/16 | 19-3/4 | |
| 8 | 11-1/2 | 20-1/4 | 26-1/4 | |
| 10 ^① | 18 | 27 | 21-3/4 | |
| 12 ^① | 19-3/4 | 30-3/4 | 25-3/4 | |
| 16 ^① | 33 | 41-3/8 | 69 | |

^① 300 ANSI flanges drilled to 150 ANSI flange specifications.

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