

Kerotest Model-1 Gate Valve Short Weld End, 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
- **Directional solidification** weld ends meeting rigid code requirements
- **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

Size (in)	Valve Number	Pressure		Approx. Weight (lb)
2	1WS2	150 ANSI 285 MOP		24
3	1WS2	150 ANSI 285 MOP		36
4	1WS2	150 ANSI 285 MOP		50
6	1WS2	150 ANSI 285 MOP		101

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

Ordering Code Table—500/740 PSI

Size (in)	Valve Number	Pressure		Approx. Weight (lb)
1	1S07	300 ANSI 740 MOP		9
1	1WS7	300 ANSI 740 MOP		9
1-1/4	1WS7	300 ANSI 740 MOP		9
2	1WS5	500 WOG		24
3	1WS5	500 WOG		35
4	1WS5	500 WOG		50
6	1WS5	500 WOG		101

Note: Valves built prior to July 10, 2006 have Class 300 API, 720 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)
1-1/4	5	6-3/4	5-3/4	-20 to +200
2	7	8-3/4	7-1/4	
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	

Note: Bonnet material malleable iron on sizes 2 inch thru 6 inch. Bonnet material steel on sizes 1 and 1-1/4 inches.

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