

Kerotest Model-1 Gate Valve

Weld-by-Flange—500 WOG/740 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
- **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

Kerotest Model-1 Gate Valve

Weld-by-Flange—500 WOG/740 MOP, Natural Gas

Ordering

Ordering Code Table—500 PSI

Size (in)	Valve Number	Pressure	Approx. Weight (lb)
2	1F5WL	500 WOG	32
3	1F5WL	500 WOG	58
4	1F5WL	500 WOG	78
6	1F5WL	500 WOG	146

Ordering Code Table—740 PSI

Size (in)	Valve Number	Pressure	Approx. Weight (lb)
2	1F7WL	300 ANSI 740 MOP	32
3	1F7WL	300 ANSI 740 MOP	59
4	1F7WL	300 ANSI 740 MOP	84
6	1F7WL	300 ANSI 740 MOP	160
8	1F7WL	300 ANSI 740 MOP	264
10	1F7WL	300 ANSI 740 MOP	467
12	1F7WL	300 ANSI 740 MOP	612
16	1F7WL	300 ANSI 740 MOP	1815

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)
2	8-1/2	8-3/4	7-1/4	-20 to +200
3	11-1/8	10-7/16	10-1/4	
4	12	12-11/16	13-3/4	
6	15-7/8	16-7/16	19-3/4	
8	16-1/2	20-1/4	26-1/4	
10	18	27	21-3/4	
12	19-3/4	30-3/4	25-3/4	
16	33	41-3/8	69	

Note: Higher temperature packing available on request.

All product names referenced herein are trademarks of their respective companies.



Kerotest Manufacturing Corp.

5500 Second Avenue • Pittsburgh, PA 15207
 412.521.4663 • Fax: 412.521.5990
 www.Kerotest.com • Sales@Kerotest.com