

# 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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