

# Kerotest Model-1 Gate Valve Screwed 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
- 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)
- Threads—Female pipe threads per ANSI B21
- Steel body—ASTM A-216 Grade WCB



*An Employee-Owned Company*

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## Ordering

### Ordering Code Table

Size (in)	Valve Number	Pressure		Approx. Weight (lb)
2	1S5	—	500 WOG	27
2	1S7	300 ANSI	740 MOP	27

**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	6-3/4	8-3/4	7-1/4	-20 to +200

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