

Gate Valves

DETAILS

Models

Model 72
Model 66¹
Model DM

Sizes

2 inch
3 inch
4 inch
5 inch²

Working Pressures

2,000 psi
3,000 psi
5,000 psi
7,500 psi³

Connections

Buttweld
Flanged
OTECO Style
Connectors⁴
Threaded
Union⁵
Combinations

Trim Options

Standard
Waterflood
Sour Gas

Notes

- ¹ Replacement parts only
- ² 4 inch full port with 5 inch connections
- ³ Model DM only
- ⁴ Model 72 only

OTECO Model 72 Gate Valve



Model 72 Gate Valve Overview

Designed for the oilfield, the Model 72 gate valve is the proven, reliable choice for applications requiring up to 5,000 psi working pressure and temperatures up to 250° F (121° C). The Model 72 gate valve is designed for maximum flexibility and reliability and is ideal for corrosive water flood applications, sour gas and crude oil service, as well as certain wellhead applications.

Whether used in your mud system, flow and standpipe manifold, or flow line application, the Model 72 is field proven for easy operation, tight shut-offs, long life, and simple, fast, low-cost field renewal. Manufactured at our Houston facility, each Model 72 is rigorously tested prior to shipment from the factory.

Model 72 Features & Benefits

- The use of Body Subs allows change out of valve connections without changing valve body or entire valve.
- Full rising, one piece forged gate and stem displays current valve orientation: open, partially open, or closed.
- Extra large ball bearings and heavy duty stem threads minimize torque required for valve operation.
- Proven interlocking gate packing and wear plate design protects the valve body and cap during repeated valve opening and closing.
- Standard gate packings are designed for a wide range of fluid environments.
- Model 72 parts are interchangeable with Cameron type "S" Flex-Seal valve parts.

OTECO DM Gate Valve



Model DM Gate Valve Overview

OTECO DM series fits the bill for low cost valve operation. Made from high strength weldable alloys and corrosion resistant components, this water, oil and gas gate valve provides ease of in-line repairs. The DM valve is offered with working pressure ratings up to 7,500 PSI (517 BAR), with standard or sour gas trim options, and 90 durometer main seals.

Model DM Features & Benefits

- Extended Body Stud thread engagement
- Corrosion resistant gate and stem
- High Strength steel inserts
- Tight fit tolerances
- Working pressure ratings up to 7,500 psi
- Available with standard or sour gas trim

Oteco Gate Valve Manual

Awwa

Oteco Gate Valve Manual:

The Composite Catalog of Oil Field Equipment & Services, 1996 **Petroleum Engineer International**, 1976
Indian Trade Journal, 1983 **Oil & Gas Journal**, 1985 **American Export Register**, 1985 1985 20

M72 - Knife Gate Valves Mark Macconnell,2021-02 **M72 - Knife Gate Valves** Mark MacConnell,2020 This manual presents the general practice for selection and installation of manual and automated knife gate valves for use in water and waste water applications This document is intended to provide information and guidance on typical knife gate valves and their intended application Valve Handbook Philip L. Skousen,1998 An up to date and comprehensive reference on all aspects of valve design operation and maintenance It includes information on smart valves and fugitive emissions control critical issues for the next decade **Awwa C509-23 Resilient-Seated Gate Valves for Water Supply Service**

Awwa,2023-06-23 This standard describes iron body resilient seated gate valves with nonrising stems NRS and outside screw and yoke OS Y rising stems including tapping gate valves for water supply service having a temperature range of 33 125 F 0 6 52 C 1 1 1 Velocity These valves are intended for applications where fluid velocity does not exceed 16 ft s 4 9 m s when the valve is in the full open position 1 1 2 Sizes Gate valves described by this standard are 3 72 in 75 1 800 mm nominal pipe size NPS 1 1 3 Valve pressure rating The minimum design working water pressure shall be 200 psig 1 380 kPa gauge for 3 12 in 75 300 mm sizes and 150 psig 1 034 kPa gauge for 14 72 in 350 1 800 mm sizes 1 1 4 Conditions and materials not covered This standard is not intended to describe special conditions of gate valve installation or operation such as built in power drive installation in unusually corrosive soil conveyance of unusually corrosive water excessive water hammer frequent operation as in filter service or operation in a throttled position These conditions are beyond the intended scope of this standard and require special consideration in design and construction Downloadable versions of current and historical standards are also available Manual on Lock Valves American Society of Civil Engineers. Waterways Division. Committee on Lock Valves,1930 Specification for the Production Testing of Valves EEMUA Staff,Engineering Equipment and Materials Users Association,1995-01-01

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