SOLID WEDGE GATE VALVES

- AWWA C500
- 3"-48"
- DUCTILE IRON CONSTRUCTION

MARKETS

WATER/ WASTEWATER

INDUSTRIAL

AGRICULTURE

SPECIFICATIONS

Size Range	3"-48"
Materials	Ductile iron ASTM A536, iron body bronze mounting (IBBM), Stem: 304SS (3"-24"), 316SS (30"-48")
Pressure Rating	Rated pressure up to 300psi (250psi standard)
Temperature Range	33ºF-160ºF
Body Style	Non-rising stem: FLG, MJ Outside stem & yoke: FLG
Actuator Types	Direct-drive hand wheel or 2" operating nut, spur or bevel gear, electric motor operator
Standards	AWWA C500
Install Orientation	Horizontal or vertical
Featured Applications	Treatment plants, lift stations, buried/vault, irrigation, force mains, pump isolation, full open/close, tapping
Water Service	Potable water, raw water, industrial wastewater, industrial water, primary effluent, secondary effluent, raw sewage, screened sewage, slurries/grit

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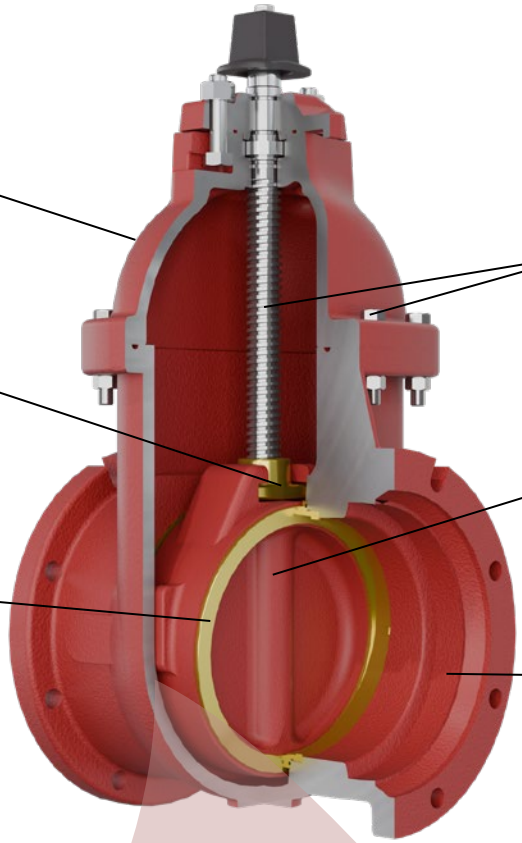
CLOW VALVE CO.

M&H VALVE COMPANY

KENNEDY VALVE

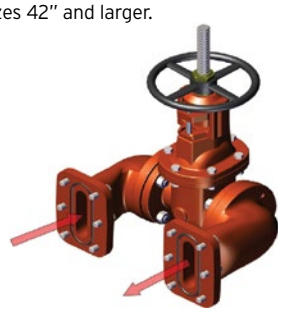
Scan for detailed drawings

ENGINEERING FEATURES



BYPASS VALVES

A bypass valve is an externally mounted isolation valve used to allow fluid flow around a gate valve in the closed position. The intended purpose of a bypass is to equalize pressure on both sides of the closed valve to reduce the required operating torque and wear on the seating surfaces as the valve opens. Bypass valves are an optional accessory on valve sizes as small as 16" and recommended on valve sizes 42" and larger.

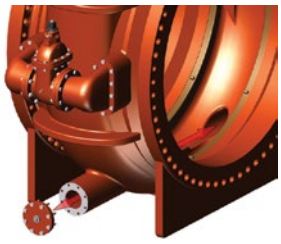


TRACKS & SCRAPERS

Sediment build-up is a common issue within the waterworks industry that has plagued valves in piping systems for decades. MPI's solution to combat sediment build-up in gate valves is the track and scraper system. This system is comprised of two scrapers attached to the valve wedge that move along a track as the valve opens and closes, effectively scraping away tough build-up with each cycle. An added benefit of utilizing the track and scraper system is that it also acts as an additional support for the disc and wedge assembly.

FLUSHING PORTS

Flushing ports are MPI's solution for debris and sediment build-up within the bottom of the valve cavity. These ports allow for the valve to be flushed with water to ensure smooth operation and reduce the risk of debris being compacted in the bottom cavity. Flushing ports are optional provisions on valve sizes 14" and larger, and are recommended when the valve is installed in a vertical orientation.



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