RESILIENT SEATED GATE VALVES

- AWWA C515/C509
- SIZES 2"-54"
- NSF/ANSI 61/375 CERTIFIED

MARKETS

WATER/ WASTEWATER

INDUSTRIAL

SPECIFICATIONS

Size Range	2"-54"
Materials	ASTM A536 ductile iron body & bonnet, fully encapsulated EPDM wedge per ASTM D429, stainless steel hardware
Stem Materials	Bronze, 304SS, 316SS
Pressure Rating	250psi
Temperature Range	33ºF-125ºF
Body Style	Non-rising stem: FLG, MJ, FLG x MJ, MJ x tap Outside stem & yoke: FLG
Actuator Types	Direct-drive handwheel or 2" operating nut, spur or bevel gear, electric motor operator
Standards	AWWA C515, AWWA C509 (up to 12"), NSF/ANSI 61/372 certified
Install Orientation	Horizontal or vertical
Featured Applications	Treatment plants, lift stations, buried/vault, irrigation, pump isolation, full open/close, tapping, pigging
Water Service	Potable water, raw water, industrial wastewater, industrial water, secondary effluent
Optional Accessories	Bypass (30" & larger), indicator post (NRS 12" & smaller), tamper switch (OS&Y 12" & smaller)

MPI MCWANE PLANT & INDUSTRIAL

CLOW VALVE CO.

MH VALVE COMPANY

KENNEDY VALVE

Scan for detailed drawings

ENGINEERING FEATURES 3"-20"

THRUST BEARINGS
Delrin thrust bearings above and below the thrust collar reduce friction and minimize operating torques.

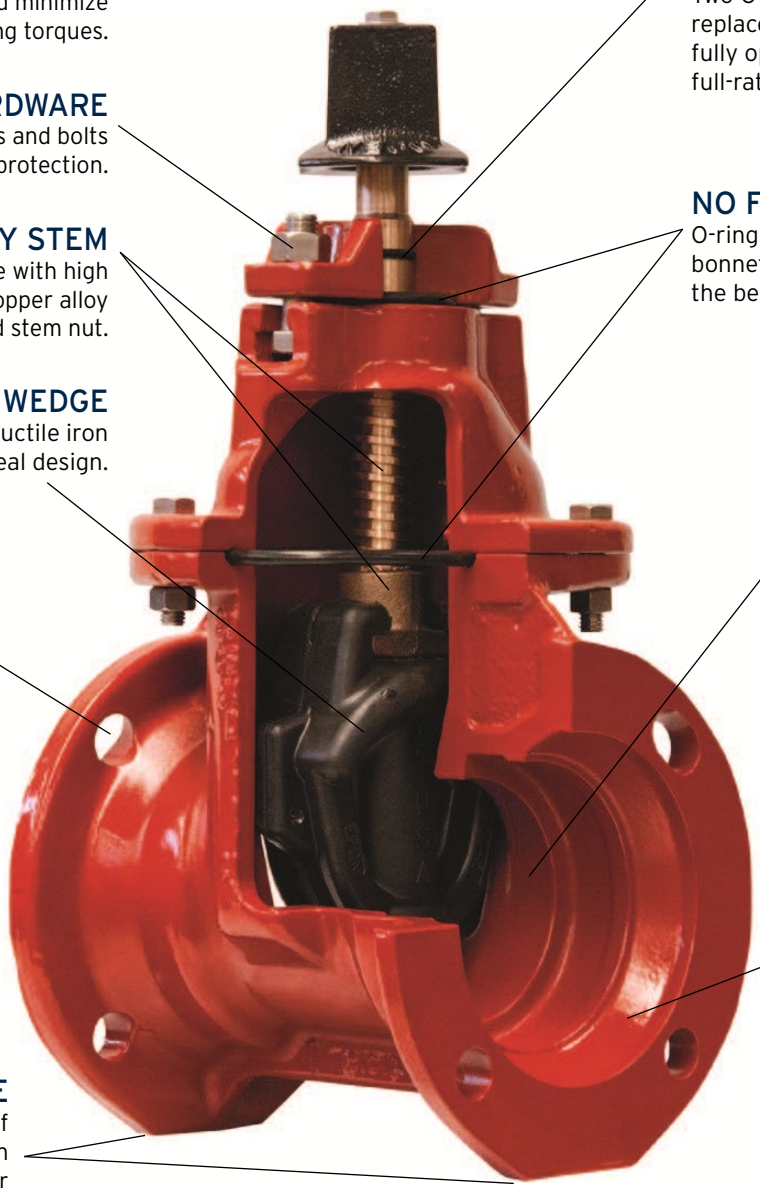
STAINLESS STEEL HARDWARE
304 stainless steel nuts and bolts provide long-life corrosion protection.

COPPER ALLOY STEM
Long, trouble free life with high strength, non-corrosive copper alloy stem and stem nut.

RESILIENT WEDGE
Fully encapsulated ductile iron wedge features a twin seal design.

ELLIPTICAL BOLT HOLES
Hole design on MJ connection eliminates the need for anti-rotation bolts (4"– 12").

EASY STORAGE
Pads on the bottom of all valves keep valve in upright position for easier storage and protection from the elements.



REPLACEABLE O-RINGS
Two O-ring seals are replaceable with the valve fully open and subjected to full-rated working pressure.

NO FLAT GASKETS
O-ring seals at stuffing box and bonnet to body flanges to ensure the best possible seal.

MINIMAL FLOW LOSS
Smooth, unobstructed waterway is free of pockets, cavities, and depressions allowing for minimal flow loss and lower pumping costs. All valves accept full size tapping cutter.

EPOXY COATING
Clow corrosion resistant fusion-bonded epoxy coating, conforming to AWWA C550 and NSF 61 Certified, protects both inside and outside of valve.

ENGINEERING FEATURES 24" & LARGER

GEARING
Horizontal & vertical gearing available. 18"-24" recommended. 30" and up required

BRONZE STEM
Long, trouble-free life with high strength,non-corrosive bronze stem and stem nut.

STAINLESS STEEL HARDWARE
Stainless steel nuts and bolts provide long-life corrosion protection.

RESILIENT WEDGE
Fully encapsulated ductile iron wedge features a twin seal design.

(See Figure 1)

ACCEPT TAPPING
Valves accept full-size tapping cutter (24"-48").

REPLACEABLE O-RINGS
Two O-ring seals are replaceable with the valve fully open and subjected to full-rated pressure.

THRUST BEARINGS
Plastic thrust bearings above and below the thrust collar reduce friction and minimize operating torques.

EPOXY COATING
Corrosion resistant fusion-bonded epoxy coating, conforming to AWWA C550 and NSF 61 certified, protects both inside and outside of valve.

NO FLAT GASKETS
O-ring seals at stuffing box and bonnet to body flanges ensures the best possible seal.

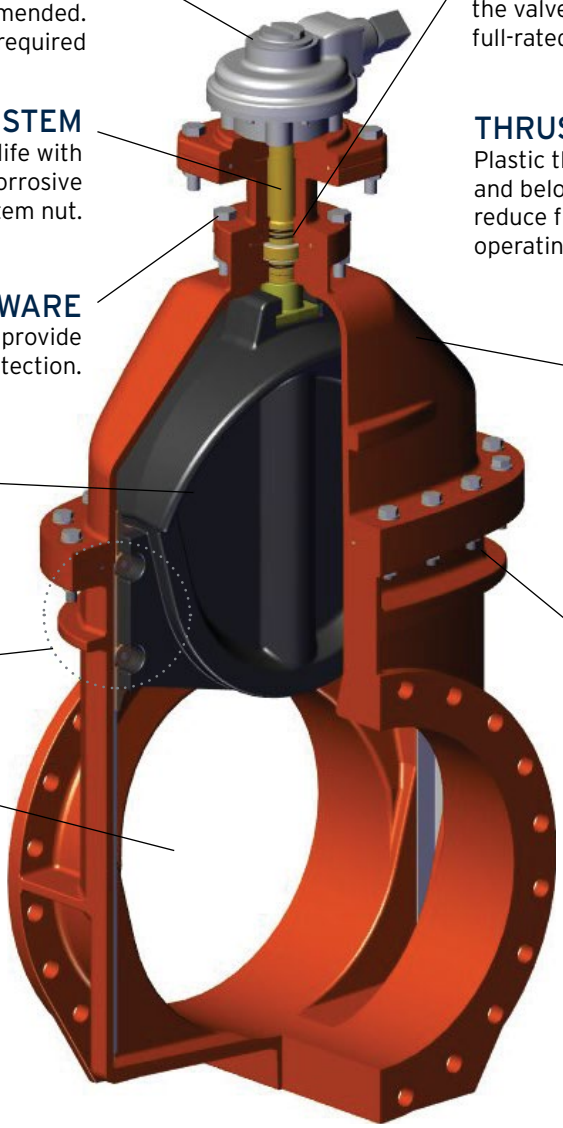
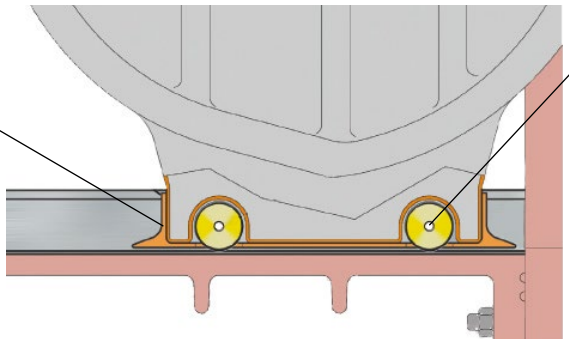


FIGURE 1: CLEANTRACK™ TECHNOLOGY

BRONZE SCRAPER
Bronze scraper affixed to resilient wedge wing designed for long life performance.



BRONZE ROLLERS
Rollers into scraper protect valve body from damage.

STAINLESS STEEL TRACK
316 stainless steel track for corrosion and wear resistance.

*Rollers, Tracks & Scrapers (RTS) standard on valves 24" & up.

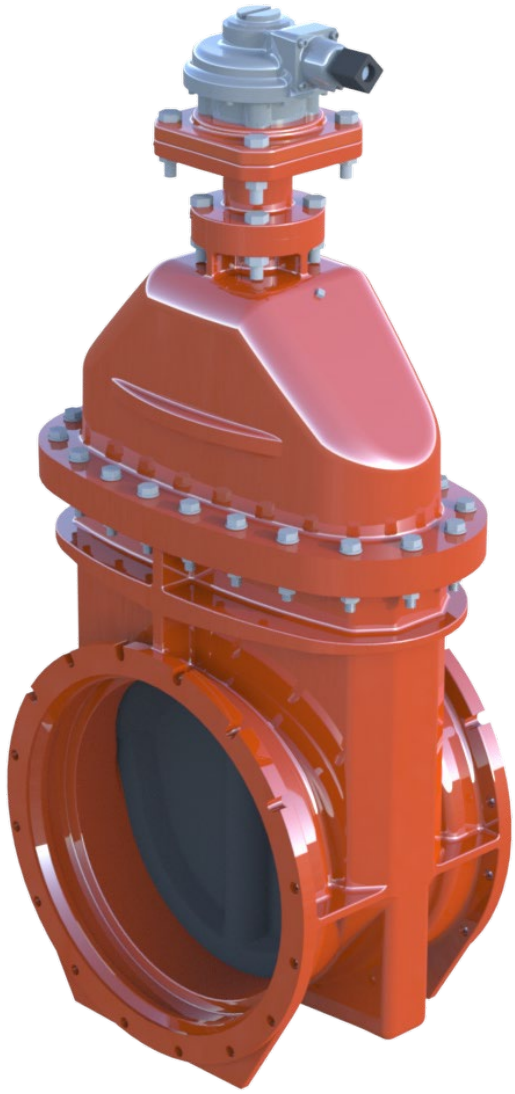
FEATURES & BENEFITS

RESILIENT WEDGE GATE VALVE WITH CLEANTRACK™ TECHNOLOGY

In America today, systems are increasing their demand for larger-sized water lines. With these growing demands, MPI has made the commitment to meet and surpass previous large resilient seated gate valve requirements with a new concept: CleanTrack™ Technology.

Sediment buildup in valves has been a costly problem since the first water valves were created. In years past, systems with sediment-laden valves faced time-consuming and costly valve removal or repair. Advanced large double disc technologies of decades past used various methods to clear the line of debris prior to closing.

MPI's 24"-54" gate valves have taken the best of the century-old double disc design and integrated it with the best of the latest resilient seated gate valve design and technology, to create valves with CleanTrack™ technology. CleanTrack™ uses a unique roller/scraper system that automatically cleans the track in the valve body when the valve is closing. Less sediment buildup makes for improved performance, which means reduced maintenance and lower potential replacement costs.



MPI - MCWANE PLANT & INDUSTRIAL
1201 Vanderbilt Road, Birmingham, AL 35234
866.924.8674 • mcwanepi.com • sales@mcwanepi.com