

CLOW
VALVE CO.

ClowValve.com



IN-PLANT VALVE PRODUCTS

FOR THE WATER AND WASTEWATER
TREATMENT PLANT MARKET



Clow Valve, A Division of McWane, Inc.

For Generations

ROTATING DISC GATE VALVES



Size Range	3"–108"	
	Up to Water Working Pressure PSI	Hydrostatic Test PSI
3"–54"	250	500
60"–108"	250	250

Available End Connections & Size Range

Flanged End, 3"–108"
M.J. 3"–48"

- Manufactured in accordance to AWWA C-500
- 3"–108" — ASME B16.1 Class 125 flanged end connections
- MJ — 3"–48"
- 3"–48" Flanged x MJ — for tapping applications
- 3"–48" — ASME B16.1 Class 250 flange end connections available
- Ductile Iron body and bonnet construction
- 2" operating nut or hand wheel — open left (black) & open right (red)
- Spurs & bevel gears on 14" and larger
- Bypass available
- Integral casted flushing ports available
- Special NSF61 epoxy coatings available
- Tracks & scrapers available
- Disc face tracking available

SOLID WEDGE GATE VALVES



Size Range	2"–108"	
	Water Working Pressure PSI	Hydrostatic Test PSI
2"–48"	250	500
54"–108"	100-150	200-300

Available End Connections & Size Range

Flanged End, 2"–108"
M.J. 2"–48"

- Manufactured in accordance to AWWA C-500
- 2"–108" — ASME B16.1 Class 125 flange end connections
- MJ — 2"–48"
- 4"–48" — ASME B16.1 Class 250 flanged end connections available
- Ductile Iron body and bonnet construction
- 2" operating nut or hand wheel — open left (black) & open right (red)
- Spurs & bevel gears on 14" and larger
- Bypass available
- Integral casted flushing ports available
- Special NSF61 epoxy coatings available
- Rollers, tracks, & scrapers available

RESILIENT WEDGE GATE VALVES



Size Range	Water Working Pressure psi	Bubble Tight Test PSI	Hydrostatic Test PSI
2"–12" AWWA	250	250	500
16"–54" AWWA	250	250	500
2"–12" ULFM	200	250	400

Accessories

- | | |
|--------------------|-------------------|
| Floorstands | Stem Guides |
| Indicator Posts | Floor Boxes |
| Electric Actuators | Chainwheels |
| Manual Operators | 2" Operating Nuts |
| Extension Stems | Handwheels |
| "T" Handles | |
- Manufactured in accordance to AWWA C-509 & C-515
 - 2"–54" — ASME B16.1 Class 125 flanged end connections
 - 2"–48" MJ
 - 2 ½"–24" — ASME B16.1 Class 250 flanged end connections available
 - Cast Iron or Ductile Iron construction
 - Rated at 250 PSI — "Bubble Tight" — zero leakage
 - 2" operating nut or handwheel — open left (black) & open right (red)

For vertical flow applications, please contact CLOW VALVE.

For additional end connections, please contact your local representative.

MUD VALVES



Size Range	Working Pressure
4"–30"	Recommended for use in lines of low seating or unseating pressures only

Stainless steel also available.

Available End Connections & Size Ranges

Flanged end, non-rising stem 4"–30"
Flanged end, rising stem 4"–30"

Available in either non-rising or rising.

NOTE: Flanged ends are faced and drilled to ANSI Class 125 drilled template except holes under yoke where attached to flanged are omitted.

Accessories

Handwheels	Manual actuator
2" Square	"T" handles
Operating nut	Stem guides
Floorstands	Floor boxes
Extension stems	
Electric motor with extension stem	

FLOOR TYPE PRESSURE RELIEF VALVES



Standard Body Length
8"

Pressure: The cover for the Pressure Relief Valve weighs approximately 6 pounds and starts to open at a head of approximately 9" of water.

Installation: In order for the F-1293T Floor Type Valve to operate correctly, it must be installed in a vertical position.

Length can be increased to desired dimension by adding PVC or Ductile Iron pipe into body.

KEN-FLEX RESILIENT SEATED CHECK VALVES



Size Range	Water Working Pressure psi	Hydrostatic Test psi
4"–12"	250 PSI	500

Accessories

Back flush Jack Screw available
External position indicator with spring control

SHEAR GATE VALVES



Size Range	Working Pressure
4"–30"	Recommended for use in lines of low seating or unseating pressures only

F3000-T

Available End Connections & Size Ranges

Flanged End Frame 4"–30"

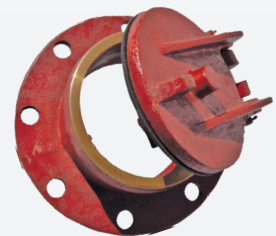
NOTE: Flanged ends are faced and drilled to ANSI Class 125 drill template.

Accessories

Lifting handles and hooks

NOTE: Seating pressure is pressure tending to push gate to seat.

PRESSURE RELIEF VALVES (WALL TYPE)



End Connection & Size

Flanged 4"–6"

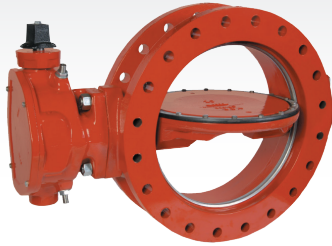
Bronze to Resilient Seating

Accessories

4" X 6" F-1496T Wall Pipe with Grate

NEW PRODUCT OFFERINGS

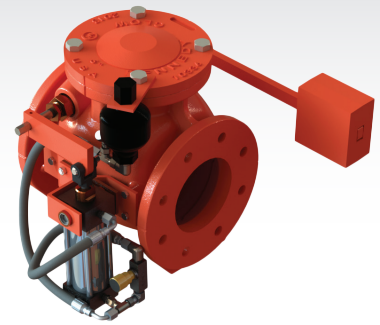
BUTTERFLY VALVES



ECCENTRIC PLUG VALVES



OIL CUSHION CHECK VALVE



Size Range	3"–108"	
	Water Working Pressure PSI	Hydrostatic Test PSI
3"–120"	150	300

Available End Connections & Size Ranges

Flanged End 3"–120"
M.J 4"–48"

3"–120" — ASME B16.1 Class 125 flanged end connections

3"–54" — ASME B16.1 Class 250 flanged end connections available

Accessories

Floorstands	Extended bonnet
Extension stems	Electric motor actuators
2" Sq. operating nuts	Cylinder actuators
Handwheels	Limit switches
Lever wrench head	Stem guides
Chainwheels	Floor boxes
Worm gear actuators	"T" handles
	Chainlevers

Size Range	3"–48"	
	Water Working Pressure PSI	Hydrostatic Test PSI
3"–12"	175	350
14"–48"	150	300
100% port available		

Available End Connections & Size Ranges

Flanged End 3"–48"
M.J 3"–48"

3"–48" — ASME B16.1 Class 125 flanged end connections available

Accessories

Floorstands	Extended bonnet
Extension stems	Electric motor actuators
2" Sq. operating nuts	Cylinder actuators
Handwheels	Limit switches
Lever wrench head	Stem guides
Chainwheels	Floor boxes
Worm gear actuators	"T" handles
	Chainlevers

Size Range	Water Working Pressure PSI	Hydrostatic Test PSI
3"–12"	200 PSI	400

- AWWA C508
- ASME B16.1 Class 125 Flanges
- Full waterway
- High strength corrosion-resistant hinge pin
- Valve may be installed in vertical line (flow up)
- Internal working parts are removable through top of valve
- Interior/exterior fusion-bonded epoxy
- Enclosed oil cushion system with accumulator
- Disc movement controlled through closed oil system with adjustable speed control valve when closing
- Opens freely as reversible oil flow passes through check/flow control valve
- Close speed adjustable through flow control valve
- Stainless steel hardware throughout system

INCREASING SWING CHECK VALVES



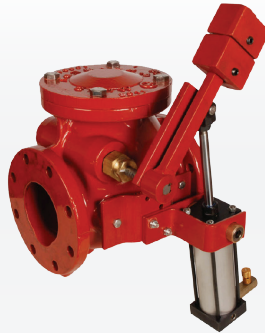
Size Range	Water Working Pressure PSI	Hydrostatic Test PSI
2"-12"	200	400
14"-36"	150	300
Horizontal/Vertical Installation		

Available End Connections
ASME B16.1 Class 125 Flanges

Accessories

Outside lever & weight	Bronze or resilient seating
Outside lever & spring	Stainless steel seats available
Limit switches	Air cushion

SWING CHECK VALVES



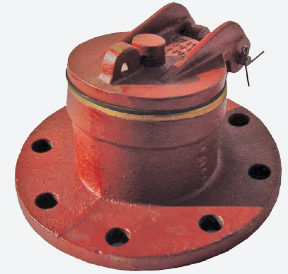
Size Ranges	
4" x 6"	4" x 8"
6" x 8"	6" x 10"
8" x 10"	8" x 12"
10" x 12"	
Horizontal/Vertical Installation	

Available End Connections
ASME B16.1 Class 125 Flanges

Accessories

Outside lever & weight
Outside lever & spring
Limit switches
Bronze or resilient seating

FLAP VALVES



Size Range	Working Pressure
4"-30"	Valves unseat and swing open under unseating pressure to release the outfall fluid and close when pressure is relieved.

F3012-T

Available End Connections & Size Ranges
Flanged End 4"-30"

Bronze to bronze seating

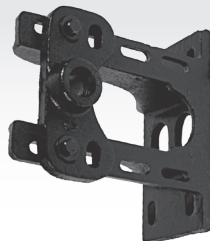
ACCESSORIES

FLOORSTANDS



F5500-T Standard Pattern N.R.S.
F5505-T Standard Pattern N.R.S.
Indicating

STEM GUIDES



F5660-T

Size	Minimum Length	Maximum Length
#3	2 1/2"	17"
#5	15"	24"
#6	24"	36"

EXTENSION STEMS



Diameters up to 2 1/2"
Any Length

FLOORBOX



F5695
Bushed
Max. Length 12"
Min. Length 8"
Max. Stem Dia 1 3/4"

AUTOMATION

ACTUATION

CLOW VALVE has furnished valves with many assorted types of motorized actuators to operate our valves. The gate valves use multi-turn, and eccentric/butterfly valves use a quarter (1/4) turn unit to operate.

CLOW VALVE engineers have extensive experience with electric, pneumatic, and hydraulic actuators on our valve products. Some of the more prominent actuators that we have recently used on some major treatment plant projects are shown below.



All electric actuators contain the following standard accessories: a handwheel for manual operation, open and close position limit switches to ensure motor shut-off at the ends of travel, open and close torque limit switches to protect the valve from excessive actuator torque, and a separate drive nut or coupling. The motors have been designed for high starting torque and long service life. Quarter turn actuators are furnished with adjustable end of position mechanical stops. Remote stations can be furnished as required.

Optional accessories include intermediate position limit switches, position feedback devices, and integral motor controls. Generally, motor controls consist of reversing starters, control transformer, push buttons, selector switches, and indicating lights. For these applications requiring control by an analog signal (usually 4–20 mADC), a positioner can be furnished with motor controls.

COMMITTED TO ENVIRONMENTAL RESPONSIBILITY

Clow Valve Company is committed to protecting our natural resources through environmentally responsible manufacturing practices, including the use of 80+% recycled content in our hydrants and valves.



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POCKET ENGINEER
Available for iOS + Android
or online at pe.mcwane.com.



*PATENT PENDING
REVISION A-2022



ClowValve.com