

AUTOMATION

ACTUATION

KENNEDY 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. **KENNEDY 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:



All electric actuators contain the following standard accessories: a handwheel for manual operation, open and close position limit switches to assure 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.

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"

FLOORBOX



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

EXTENSION STEMS



Diameters up to 2 1/2"
Any Length

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1757 Burlington Street East • Hamilton, Ontario L8N 3R5
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IN-PLANT VALVE PRODUCTS

FOR THE WATER AND WASTEWATER
TREATMENT PLANT MARKET



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 flange 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

For vertical flow applications, please contact KENNEDY VALVE.

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 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
- 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
Indicator Posts
Electric Actuators
Manual Operators
Extension Stems
"T" Handles
Stem Guides
Floor Boxes
Chainwheels
2" Operating Nuts
Handwheels

For additional accessories, please contact your local representative.

- Manufactured in accordance to AWWA C-509 & C-515
- 2"-54" — ASME B16.1 Class 125 flange end connections
- 2"-48" MJ
- 2 1/2"-24" — ASME B16.1 Class 250 flange 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 additional end connections, please contact your local representative.

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
Outside Lever & Spring
Limit Switches
Bronze or Resilient Seating
Stainless Steel Seats Available
Air Cushion

BUTTERFLY VALVES



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 flange end connections
3"-54" — ASME B16.1 Class 250 flange end connections available

Accessories

Floorstands
Extension Stems
2" Sq. Operating Nuts
Handwheels
Lever Wrench Head
Chainwheels
Worm Gear Actuators
Extended Bonnet
Electric Motor Actuators
Cylinder Actuators
Limit Switches
Stem Guides
Floor Boxes
"T" Handles
Chainlevers

INCREASING 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

ECCENTRIC PLUG VALVES



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 flange end connections available

Accessories

Floorstands
Extension Stems
2" Sq. Operating Nuts
Handwheels
Lever Wrench Head
Chainwheels
Worm Gear Actuators
Extended Bonnet
Electric Motor Actuators
Cylinder Actuators
Limit Switches
Stem Guides
Floor Boxes
"T" Handles
Chainlevers

KENFLEX 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

NEW PRODUCT OFFERINGS

OIL CUSHION CHECK VALVE



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

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 flange are omitted.

Accessories

Handwheels
2" Square Operating Nut
Floorstands
Extension Stems
Electric Motor with Extension Stem
Manual Actuator
"T" Handles
Stem Guides
Floor Boxes

FLOOR TYPE PRESSURE RELIEF VALVES



Standard Body Length (inches)
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.

PRESSURE RELIEF VALVES (WALL TYPE)



End Connection & Size
Flange 4"-6"
Bronze to Resilient Seating

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

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.

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