



KENNEDY VALVE

A Division of McWane, Inc.



Ductile Iron Valves
To EN / ISO Standards
For Water & Sewage



For Generations



KENNEDY VALVE

Kennedy Valve Company

A Division of McWane, Inc. USA



A TRADITION OF MORE THAN 125 YEARS:

Located in the bustling town of Elmira, New York in USA , Kennedy Valve started in 1877. Recognized as one of the most experienced manufacturers and suppliers of waterworks products in the country, Kennedy does it all. Our modern facilities and cutting-edge technologies have made us an economic, environmental and community leader. From state of the art environmental upgrades to advanced training initiatives and community outreach, we're working every day to make sure that Kennedy is the best in the business.

Kennedy Valve Since 1877

- 1877** - Daniel Kennedy starts making gate valves in a shop on Gold Street in lower Manhattan.
- 1890** - To provide larger manufacturing facilities, the plant is moved to Coxsackie, New York. The D. Kennedy firm becomes the Kennedy Valve Manufacturing Co.
- 1907** - The Kennedy Valve business continues to develop rapidly and a larger, more modern plant is built on a 20-acre site in Elmira, New York – now 52.59 acres.
- 1920** - Kennedy Valve expands with the addition of a brass foundry.
- 1940** - The plant receives three Maritime Commission awards to manufacture eight million valves for the Victory Fleet.
- 1962** - Kennedy Valve Manufacturing Co. is purchased by Grinnell Corp. of Providence, Rhode Island.
- 1969** - Grinnell Corp. is purchased by ITT, and Kennedy Valve Manufacturing Co. becomes a wholly owned subsidiary of ITT Grinnell.
- 1988** - McWane Inc. of Birmingham, Alabama, purchases Kennedy Valve from ITT Corp.
- 1997** - McWane Inc. invests heavily in capital improvements.
- 2007** - Kennedy Valve celebrates the milestone of 100 years of operations in Elmira, New York.
- 2010** - Annual sales exceed US\$ 125 Million
- 2014** - American R/D has become a product line of Kennedy Valve's newly formed Plant and Industrial Group.
- 2015** - McWane Gulf established in Abu Dhabi U.A.E.



During the last 25 years Kennedy has invested over 40 million dollars in capital improvements. These improvements have come in the form of safer production processes, environmentally friendly facilities and more productive workplace practices. By installing technology like our closed-loop water-cooling system and acid scrubber, Kennedy is ensuring that water and air pollution is prevented and controlled.

At Kennedy we manufacture and sell a wide range of products to support water and wastewater infrastructure needs around the world. From valves and hydrants to commercial fire loop products we cover everything conforming to a variety of AWWA, ISO, EN, UL, FM, NSF and other specifications. That means that customers from around the country, and the world, can rely on Kennedy to handle their diverse needs. For quality you can count on, Kennedy is there.

Environmental , Health & Safety policy

Kennedy Valve is committed to upholding the following principles in all of our business activities:

Compliance: We will manage our business activities to meet all government laws and regulations as well as internally established environmental, health, and safety requirements. Our goal is 100% compliance, 100% of the time.

Protection: We will conduct our activities in a responsible manner to protect our employees, the public, and the environment, and to minimize impacts from our operations.

Improvement: We will strive to continually improve our environmental, health, and safety performance.

Ductile Iron Valves and Hydrants:

Kennedy manufactures thousands of Resilient Seated Valves for drinking water and treated water applications. We believe that Ductile Cast Iron is the natural Green material for water transmission with 100% recyclable properties. Kennedy valves and hydrants are considered as some of the most reliable and dependable products meeting the following customer expectations:

- Long service Life
- Economical installed cost
- Maintenance free operation
- Excellent corrosion resistant FBE coating
- Tight shut off

Manufacturing Plants:

The Kennedy plant in Elmira is one of the largest valve and hydrant manufacturing facilities in the USA with a sophisticated foundry and plant area of more than 500,000 Sq-ft (46,000 SqM) and numerous CNC automatic machining facilities. The plants employs over 400 dedicated American workers. The factory is certified to the ISO 9001:2008 Quality Management Systems standards. Kennedy Valve received this certification from UL DQS, an ANAB registrar. The plant has committed to Quality, Innovation, Safety and Environmental management systems.

McWane Gulf plant in Abu Dhabi is established to accommodate the growing demand for Kennedy Valve products in the Middle East, Africa and Asia. The McWane Gulf operation is based on 25 acres of land with plant area of 155,000 Sq-ft (14,400 SqM) in ICAD -2, Musaffah, Abu Dhabi. The plant includes a machine shop, Fusion Bond Epoxy (FBE) coating facility, grinding, shot blast, cement lining, welding, primer and epoxy painting assembly and testing area, finished goods warehousing and shipping, and administrative offices. The facility will offer considerable room for expansion of operations in the region and beyond.





KENNEDY VALVE

McWane Kennedy Series 31 Resilient Seated Gate Valves



Technical Specifications SERIES 31

Type: Resilient Seated Gate Valves
Design & Test standard: EN 1074-1 & 2
Flange Drilling: EN 1092
Face To Face: ISO 5752 & EN 558-1 Series 3, 14 and 15 options, BS 5163
Sizes: DN 50 to DN 400
Pressure Ratings: PN 10, PN 16, PN 20 & PN 25

Standard Materials: Body, Cover and Wedge core made of Ductile Iron EN 1563, Shut off wedge Vulcanized EPDM, Bolts Stainless Steel A2, Stem Stainless Steel 1.4021, Stem Nut Copper Alloy

Epoxy Coating: Fusion Bonded Epoxy Coating FBE Non Toxic NSF or WRAS approved. Applied to DIN 30677-2 & AWWA C 550 standards. Thickness 250 Microns

Bi Directional design with clock wise closing

Applications: Potable Water & Treated Water

Sewage

Special Versions

- SS 316 / 316 L Stem and Bolting
- 300 Microns FBE Coating
- NSF/ WRAS approved materials for potable water
- NBR Wedge for Treated Sewage, TSE & Gas applications
- ISO Top Plate version (Series 32) for Gear / Actuator mounting
- ANSI 150 Drilling

Optional Accessories

- Stem Cap 27MM X 27MM
- Extension Spindles
- Hand wheels
- Mitre Worm Gear for Series 32
- Surface box

Product Features

Unique Integral Wedge Nut : The means of attachment of the spindle to the wedge by using an integral wedge spindle nut of Copper Alloy of a unique pattern which precludes the assembly becoming loose in operation. This minimizes number of moving parts as well as offer minimum restriction to the flow.

Maintenance free stem seal design : The sealing of the stem is consist of EPDM / NBR wiper ring, 2 EPDM / NBR "O" rings internal and 2 external, plastic bearing (gland) and rubber seal.

Long Service Life and Tight shut off: The wedge of the gate valve is fully encapsulated with EPDM rubber. The rubber coating thickness is a minimum of 2mm on the flow surfaces and not less than 4 mm on all sealing surfaces to ensure tight shut off. Wedges designed to work throughout the valve service life.

Low Torque: Valves offering low torques for closing and opening. Plastic sliding caps on wedge rails available on Large sizes DN 350 & Above for Torque reduction

McWane Kennedy Series 21 Resilient Seated Swing Check Valves



Technical Specifications SERIES 21

Type: Resilient Seated Flanged Swing Check Valves
 Design & Test standard: EN 1074-1 & 3 EN 12334
 Flange Drilling: EN 1092
 Face To Face: ISO 5752 & EN 558-1 Series 10, BS 5153
 Sizes: DN 50 to DN 400
 Pressure Ratings: PN 10, PN 16 & PN 25

Standard Materials: Body Cover and Disc core made of Ductile Iron EN 1563, Disc Vulcanized EPDM, Bolts Stainless Steel A4, Stem & Pin Stainless Steel 316, Hinge Stainless Steel 316 up to DN 300 & Larger sizes with Ductile Iron EN 1563 Epoxy coated . Stem Nut & Bushing Copper Alloy.

Epoxy Coating: Fusion Bonded Epoxy Coating FBE/WRAS Applied to DIN 30677-2 & AWWA C 550 standards. Thickness 250 Microns

Standard offer is Free Shaft end. Lever and weight recommended based on type of applications.

Applications: Potable Water & Treated Water

Sewage with Maximum 15% dry matter

For installations with insignificant risk of water hammer

Special Versions

- Metal seated Design (Series 22)
- 300 Microns FBE Coating
- NSF/WRAS approved materials for potable water
- NBR Wedge for Treated Sewage, TSE applications
- Manual Priming Device
- Drain Plug
- ANSI 150 Drilling

Optional Accessories

- Lever and weight
- Spring Assisted Type
- Pneumatic Cylinder Type
- Protection Cover and Limit Switches

Product Features

Full Bore Design: When the valve is fully open the disc does not offer any kind of obstruction to the flow. This means very low head loss while fully open.

Maintenance free: The disc is fully vulcanized with rubber and as such offers high anti-corrosion features along with tight shut off and minimum noise.

Easy Inspection: The valve can be opened and maintained without removing from the isolated line. The light weight cover can be easily removed for inspection .

Lever and weight option: The lever and weight option can be easily mounted on the shaft and recommended for vertical installations as well as for mediums with solid matter. The weight can be adjusted on the lever by which an optimum closing speed or an accurate closing against the seat can be achieved.



KENNEDY VALVE

McWane Kennedy Air Release Valves



Technical Specifications SERIES 11

Type : Double Acting Flanged Air Release Valves
Double Chamber
Design & Test standard: EN1074-1 & 4
Flange Drilling: EN 1092
Sizes: DN 50 to DN 200
Pressure Ratings: PN10, PN 16 & PN25

Model 111

Standard Materials: Body, Cover and Cowl made of Ductile Iron EN 1563, Float, Float guides, floats Lever and Seal Support Rings ABS Plastic, Seals EPDM, Bolts Stainless Steel A4

Model 112

Standard Materials: Body, Cover and Cowl made of Ductile Iron EN 1563, Float, Float guides float Lever and Seal Support Rings are SS 316, Seals EPDM, Bolts Stainless Steel A4

Epoxy Coating: Fusion Bonded Epoxy Coating NSF/WRAS Applied to DIN 30677-2 & AWWA C 550 standards. Thickness 250 Microns

Applications: Potable Water, Clear water, Clear TSE
Not suitable for sewage
Not suitable for surge applications.

Product Features

Double Acting Double orifice Design: The valve is designed to incorporate Kinetic Air Release movement with Large Orifice and Automatic Air Release movement with Small Orifice. The kinetic-air design keeps of the large float completely stable under air discharge and preventing premature closing and slamming. When there is a rise in the water level, then only the float rises and closes the valve.

Technical Specifications SERIES 15

Type : Anti surge Triple Acting Flanged Air Release Valves
Single Chamber
Design & Test standard: EN1074-1 & 4
Flange Drilling: EN 1092
Sizes: DN 50 to DN 200
Pressure Ratings: PN10, PN 16 & PN25

Model 153

Standard Materials: Body made of Ductile Iron EN 1563, Float and Float guides Poly Propylene, SS 316 Nozzle and Baffle plate, Seals EPDM, Bolts Stainless Steel A4

Epoxy Coating : Fusion Bonded Epoxy Coating NSF/WRAS applied to DIN 30677-2 & AWWA C 550 standards. Thickness 250 Microns

Applications: Potable Water, Clear water, Clear TSE
Suitable for Anti-surge applications
Not suitable for sewage

Product Features

Kennedy single chamber triple orifice air release valve combine both large and small orifices within and offers solution for releasing and adding air to water pipelines, protecting pipe line systems from surge and improving efficiency.

The quadruple function automatic air valve discharge the large volume of air during charging of the pipeline, admit air during emptying of the pipeline, discharge air accumulated under normal operating conditions and works under surge and water hammer operating conditions.

McWane Kennedy Series 61 Double Offset Butterfly Valves



Technical Specifications SERIES 61

Type: Double Offset Eccentric Butterfly Valves
 Design & Test standard: EN 593, EN 1074-1 & 2 / EN 12266
 Flange Drilling: EN 1092
 Sizes: DN 200 to DN 1200
 Pressure Ratings: PN10 & PN 16

Standard Materials: Body and Disc made of Ductile Iron EN 1563, Shaft Stainless Steel SS316 & 431, Seal Ring EPDM, Seat Retainer Ring SS316, and Bolts Stainless Steel A2 & A4

Epoxy Coating: Fusion Bonded Epoxy Coating FBE Applied to DIN 30677 -2 & AWWA C 550. Standard 250 Microns

Bi Directional Double offset design with tight shut off and clock wise closing

Model 613
 Face To Face: ISO 5752 & EN 558-2 Series 13

Model 614
 Face To Face: ISO 5752 & EN 558-2 Series 14

Supplied with gear unit as a standard

Applications: Potable Water & Treated Water

Special Versions

- 300 Microns FBE Coating
- NSF/WRAS approved materials for potable water
- ANSI 150 Drilling
- Duplex Shaft and Retaining Ring
- External Shaft Locking Mechanism

Optional Accessories

- Extension Spindles
- Electrical Actuators

Product Features

Double offset sealing technology: the soft sealing high quality EPDM element on the disc is profiled for high sealing performance, reliability and long lifetime. The seat retaining ring is made in Stainless steel suitable for various operating conditions.

Superior Disk profile: The disc is designed in such a way that to provide a none-rubbing effect while closing and this results in a smooth closing.

Bi directional Service: The disc is designed to withstand the maximum pressure differential across the valve in either direction of flow.

Compact Design: The valve is optimized to the design standards to achieve minimum weight with maximum performance.



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For Generations

ISO-MG-02-2015 SP