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Advanced Manufacturing

The latest computer technology has been extensively applied in NEWAY manufacturing, which includes a large number of numeric control machines (machining center, CNC horizontal and vertical lathe and CNC drilling machine) and ERP management system. Additionally, the data through all factories have been connected and shared. These facilitate resource integration, boost productivity, evidently enhancing machining quality and tightening process control.



Quality Control

NEWAY developed comprehensive and advanced inspection and test facilities to control the quality from rough casting or forgings to final products, which enable us to perform radiographic test, liquid penetrant test, magnetic-particle test, spectrum analysis, Material Positive Identification(MPI), impact test, tensile test, hardness test, fire safe test, cryogenic test, vacuum test, low fugitive emission test, high pressure gas test, ultrasonic testing and hydrostatic test.



Complete Solutions for Water Valves



About Neway

Neway is a global valve manufacturer committed to the R&D, production, and sales of high-quality industrial valves. Our product includes gate, globe, check, ball, butterfly, subsea and safety valves, as well as well-head equipment. Our valves serve a wide range of industries, including Oil & Gas, Refining, Chemical/Petrochemical, Pipeline, LNG, On/Offshore Exploration & Production, Shipbuilding, Power and Renewable / Green Energy sectors.

With our in-house, vertically-integrated R&D center, forging/casting plants, and production/assembly bases, Neway overseas full end-to-end operational control. This ensures a robust supply chain, rigorous quality control standards, and competitive pricing/delivery options. Approximately 4,400 employees all over the world strive to provide Neway's superior products and excellent service to our customers.



Neway Factory

Neway adopts the group multi-factory management model and has one major valve assembly plant in China with 230,000m² coverage, one API 6A valve plant, three casting foundries, one forging factory and new plant for Butterfly valve.



R&D

In order to meet the application requirements of valves in different fields, Neway applies advanced software (ANSYS, FE-SAFE, MathCAD, Autodesk Simulation CFD, Foxpro, NX, etc.) for product research and development, and has established professional material laboratory and special engineering test, which can simulate various extreme conditions and lay a solid foundation for the research and development of high-end valves.



Sales Network

Neway implements global marketing and sales strategy, has established sales companies and offices subordinate to China HQ globally, such as America, Netherlands, Italy, Singapore, Malaysia, Vietnam, Saudi Arabia, UAE, Qatar, and Nigeria, and established strategic partnership with more than 80 overseas agents and distributors around the world.



Quality Guarantee

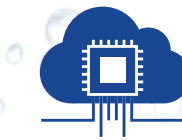
Neway is committed to providing zero defects valves to our customers and controls quality from order input, production process, final test to on-site service. Neway products obtained all major industrial qualifications including ASME UV & NB, NBBI, KGS, CE, CCS and BV approvals etc. by our continuous efforts. Moreover, Neway has been approved as a qualified supplier by many world famous energy users. With its high-quality products and services, Neway has also been awarded the title of strategic supplier or "Best Partner" by many customers.

Key Applications



Sea Water Desalination

Seawater desalination is the process to remove salt and impurities from seawater to produce fresh water through both physical and chemical method, and it's mainly used to provide drinking water and agricultural water, and sometimes edible salt is produced as a by-product.



Data Center

The data center has a large number of valves used for cooling, fire protection, air conditioning and other systems. These valves and their control systems constitute the relevant components of the data center.



Water Transmission Pipeline

Transport the water in storage container / lake to distribution networks by transmission pipeline.



Municipal Water

Municipal water is known as tap water, which is supplied to industries and homes through underground pipes.



Wastewater Treatment

Wastewater treatment is a process to remove impurities from wastewater or sewage before it reaches aquifers or natural bodies of water.



District Cooling Plants

District cooling plants centralize chilled water production and distribute it to multiple buildings, providing a sustainable and energy-efficient cooling solution.

Water Industry Introduction

Neway is a trusted global supplier of high-performance industrial valves for a wide range of critical applications, including seawater desalination plants, long-distance water transmission systems, data center cooling infrastructure, municipal water supply, wastewater treatment facilities, and industrial water processing systems.

Technical Features

Universal Characteristics

Valve Type Selection

Covers wide range of types, such as Gate valves / Butterfly valves / Check valves / Ball valves / Air release valve / Control valves / Strainer etc.

Body Material Selection

Covers wide range of materials, such as Ductile Iron / Carbon steel / Bronze / Stainless steel / Duplex steel / Alloy steel etc.

Certificate

UL Certificate for butterfly valve and check valve
WRAS/NSF certificate for rubber and coating
Water Mark Certificate for butterfly valve and gate valve
EN1074 Certificate for butterfly valve and gate valve



Complete Solutions for Water Industry

Sea Water Desalination

Data Center

Water Transmission Pipeline

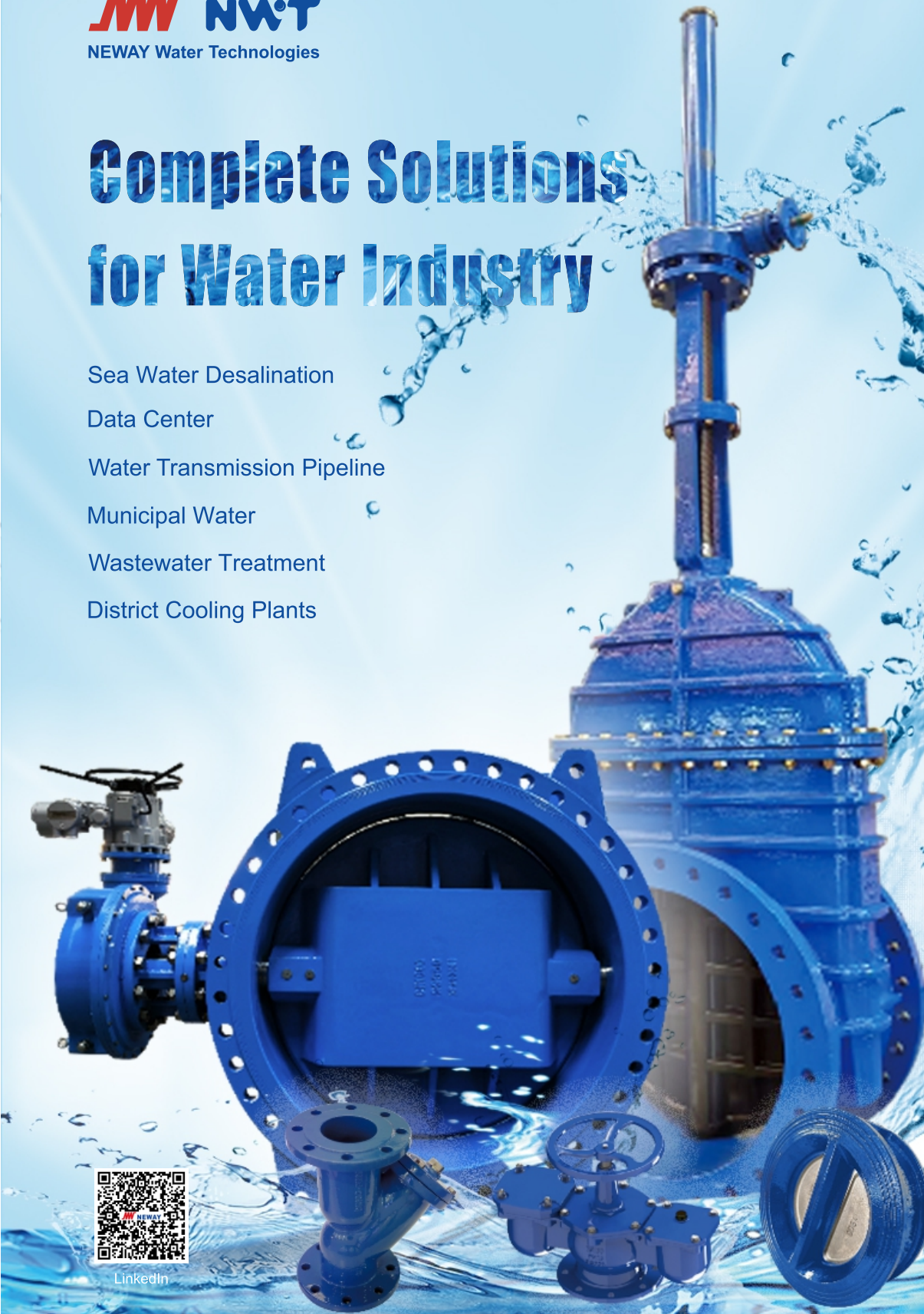
Municipal Water

Wastewater Treatment

District Cooling Plants



LinkedIn





Concentric Butterfly Valve	
Nominal Diameter	2"-72" (50mm ~ 1800mm)
Pressure Range	10Bar / 16Bar / 25 Bar / ASME Class upto 150
Valve Standard	EN 1074 part 1 & 2; EN593; AWWA C504; API 609; U1091
End Connection	Lug, Wafer, Double Flange
Face-to-face	EN 558; AWWA C504; API 609
Flange Drilling	EN1092-2 PN10/16/PN25; ASME B 16.1/16.42 CL125/CL150; AWWA C207; ASME B16.5; ASME B16.47
Inspection and Test	API 598; EN12266-1
Body Material	Ductile Iron; CS / SS / Bronze (Option Available)
Seat	Rubber / PTFE
Medium	Sewage; Clean Water; Raw Water etc.
Working Temperature	-20°C to 110°C

- Independent seat and vulcanized seat both are available and easily taken out and replaced;
- Stem with triple sealing design to achieve no outside leakage;
- Anti-blow out stem design provides a safe and secure operation;
- Fusion bonded epoxy coating for superior corrosion resistance;
- Maintenance free valve design;
- Low operating torques and wide range of operating devices;



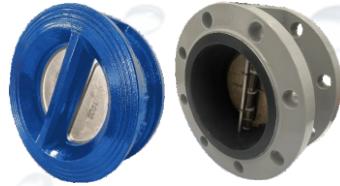
OS&Y Resilient / Metal Seat Gate Valve	
Nominal Diameter	1 1/2"-48" / DN40-DN1200mm
Pressure Range	10Bar / 16Bar / 25Bar
Valve Standard	EN 1074 part 1 & 2; EN1171
End Connection	Double Flange
Face-to-face	EN 558; DIN 3202; ISO5752 Series 15; ASME B16.10; AS 2638
Flange Drilling	EN1092-2 PN10 / 16 / 25; ASME B 16.1 / 16.42 CL125 / CL150; AS4087; ASME B16.47 / 16.5
Inspection and Test	API 598; EN12266-1
Body Material	Ductile Iron; CS / SS / Bronze (Option Available)
Seat	Rubber / Metal
Medium	Sewage; Clean Water; Raw Water etc.
Working Temperature	0°C to 80°C (Resilient); 0°C to 230°C (Metal)

- Low operating torque due to the wedge shoes in PA and guide rails on the body;
- Maintenance-free and corrosion-resistant stem sealing;
- High strength alu-bronze or stainless steel valve seat;
- Metal faces machined to a high finish for optimum contact and minimum leakage;
- Counter bored, stainless steel bonnet bolts, sealed with hot-melt and encircled by the bonnet gasket for optimum corrosion protection;
- Fusion bonded epoxy coating inside and outside;
- OS&Y stem arrangement gives from a distance a clear, visual indication of the valve's open / close state.



Ball Check Valve	
Nominal Diameter	1-1/4"-16" / DN32-DN400mm
Pressure Range	10Bar / 16Bar
Valve Standard	EN 1074 part1 & 3; EN16767
End Connection	Double Flange
Face-to-face	EN558; DIN3302; BS5153; ASME B16.10
Flange Drilling	EN1092-2 PN10 / 16; ASME B 16.1 / 16.42 CL125 / CL150; ASME B16.5
Inspection and Test	API 598; EN12266-1
Body Material	Ductile Iron
Seat	Rubber
Medium	Sewage; Clean Water; Raw Water etc.
Working Temperature	0°C to 80°C

- No mechanically moving parts;
- Self-cleaning construction;
- Low pressure loss and minimum back pressure due to the full bore;
- Easy to maintain;
- Smooth bore eliminates the risk of deposits at the bottom;
- Compact design and low weight;
- Fusion bonded epoxy coating inside and outside.



Resilient Dual Plate Check Valve	
Nominal Diameter	2"-80" / DN50-DN2000mm
Pressure Range	10Bar / 16Bar
Valve Standard	EN 1074 part1 & 3; EN16767 / API594
End Connection	Double Flange / Wafer
Face-to-face	Factory Standard
Flange Drilling	EN1092-2 PN10 / 16; ASME B 16.1 / 16.42 CL125/CL150; AWWA; ASME B16.5/16.47
Inspection and Test	API 598; EN12266-1
Body Material	Ductile Iron; CS/SS / Bronze (Option Available)
Seat	Rubber / Metal
Medium	Sewage; Clean Water; Raw Water etc.
Working Temperature	0°C to 80°C

- Non slam;
- Low operating pressure;
- Soft seat design for tight seal;
- Fusion bonded epoxy coating inside and outside;



Double Orifice Air Release Valve	
Nominal Diameter	Type A: 2"-8" / DN50-DN200mm Type B (Light type): 2"-6" / DN50-DN150mm Type C (T type): 1 1/2"-12" / DN40-DN300mm
Pressure Range	10Bar / 16Bar
Valve Standard	EN 1074 part 4
End Connection	Flanged
Flange Drilling	EN1092-2 PN10 / 16
Inspection and Test	API 598; EN12266-1
Body Material	Ductile Iron
Medium	Sewage; Clean Water; Raw Water etc.
Working Temperature	0°C to 80°C

- Resilient seated;
- Floating ball material: ABS or Stainless steel;
- Soft seat design for tight seal;
- Double ball allows individual maintenance while still protecting pipeline: Wider range of sizing options;
- Ductile iron parts coated with fusion bonded epoxy.



Strainer	
Nominal Diameter	1/2"-20" / DN15-DN500mm
Pressure Range	10Bar / 16Bar / 25Bar
End Connection	Double Flange
Face-to-face	DN11; BS2080
Flange Drilling	EN1092-2 PN10 / 16 / 25
Inspection and Test	API 598, EN12226-1
Body Material	Ductile Iron
Medium	Sewage; Clean Water; Raw Water etc.
Working Temperature	0°C to 80°C

- Easy maintenance;
- Low head loss;
- Drain plug design can realize full drainage without removing the bonnet;
- Long service life due to the stainless steel screen;
- Ductile iron parts coated with fusion bonded epoxy.



Double Offset Butterfly Valve	
Nominal Diameter	2"-160" / DN50-DN4000
Pressure Range	10Bar / 16Bar / 25Bar / 40Bar / ASME Class upto 300
Valve Standard	EN593; EN1074; AWWA C504 / C516; API 609
End Connection	Double Flange
Face-to-face	EN 558; AWWA C504 / AWWA C516
Flange Drilling	EN1092-2 Pn10 / 16 / 25 / 40; ASME B 16.1 / 16.42 CL125 / CL150; AWWA C207; ASME B16.5; ASME B16.47
Inspection and Test	API 598; EN12266-1
Body Material	Ductile Iron (FBE or EBOONITE lined); CS / SS / Bronze(Option Available)
Seat	Rubber
Medium	Sewage; Clean Water; Raw Water etc.
Working Temperature	-20°C to 110°C

- Double eccentric design can ensure minimal stress on the sealing and the low operating torque;
- Possible to replace rubber seat without disassembling the disk;
- Body and disc rubber lining can be cost saving for corrosion condition;
- Polygonal or square shape of the drive shaft for safe connection;
- Tight closure in both flow directions and Zero Leakage.



Resilient / Metal Seated Swing Check Valve	
Nominal Diameter	1 1/2"-36" / DN40-DN900mm
Pressure Range	10Bar / 16Bar / ASME Class upto 150
Valve Standard	EN 1074 part1 & 3; EN16767
End Connection	Double Flange
Face-to-face	EN 558
Flange Drilling	EN1092-2 PN10 / 16; ASMEB16.5
Inspection and Test	API 598; EN12266-1
Body Material	Ductile Iron, CS/SS/Bronze (Option Available)
Seat	Rubber / Bronze
Medium	Sewage; Clean Water; Raw Water etc.
Working Temperature	0°C to 80°C

- Elastomer-coated wedge full flow channel;
- Metal seat in high strength alu-bronze;
- Easy maintenance and low opening pressure;
- Bonnet gasket in a groove between bonnet and body to prevent blow-out;
- Drain function;
- Fusion bonded epoxy coating inside and outside.



Silent Check Valve	
Nominal Diameter	2"-24" / DN50-DN600mm
Pressure Range	10Bar / 16Bar / 25Bar
Valve Standard	EN 1074 part1 & 3; EN16767
End Connection	Double Flange
Face-to-face	Factory Standard
Flange Drilling	EN1092-2 PN10 / 16 / 25; ASME B16.1 / 16.42 CL125 / CL150; ASME B16.5
Inspection and Test	API 598; EN12266-1
Body Material	Ductile Iron; CS / SS / Bronze (Option Available)
Seat	Rubber
Medium	Sewage; Clean Water; Raw Water etc.
Working Temperature	0°C to 80°C

- Low head loss;
- Soft seat design for tight seal;
- Compact design and low weight;
- Lower slam due to the light disc, short stroke distance and fast closing spring;
- Fusion bonded epoxy coating inside and outside.



Combined Butterfly Check Valve	
Nominal Diameter	12"-140" / DN300-DN3500mm
Pressure Range	10Bar / 16Bar / 25Bar / 40Bar
Valve Standard	EN593; EN1074; AWWA C504 / C516; API 609
End Connection	Double Flange
Face-to-face	EN 558; API 609; ASME B16.10; AWWA C504; AWWA C516
Flange Drilling	EN 1092-2 PN10 / 16 / 25 / 40; ASME B16.5; ASME B16.47; AWWA C207
Inspection and Test	API598; EN12266-1
Body Material	Ductile Iron; CS / SS (Option Available)
Medium	Sewage; Clean Water; Raw Water etc.
Working Temperature	-10°C to 80°C

- Comprehensive control functions with local or remote control;
- Effectively eliminating water hammer;
- High-quality sealing performance;
- Low flow resistance coefficient;
- No water hammer impact;



Diaphragm Operated Control Valve	
Nominal Diameter	2"-24" / DN50-DN600mm
Type	Float Valve (DCV100X) ; Pressure Reducing Valve (DCV200X) ; Check Valve (DCV300X) ; Flow Control Valve (400X) ; Pressure Sustaining / Relief Valve (DCV500X) ; Differential Pressure Control Valve (800X) ;
Pressure Range	10Bar / 16Bar / 25Bar
Valve Standard	EN 1074 part 5
End Connection	Double Flange
Face-to-face	Factory Standard
Flange Drilling	EN1092-2 PN10 / 16 / 25
Inspection and Test	EN12266-1
Body Material	Ductile Iron; SS (Option Available)
Medium	Sewage; Clean Water; Raw Water etc.
Working Temperature	0°C to 80°C

- Streamline flow way design enables high capacity and low pressure drop;
- Star-type sealing ring design ensures no falling off and no warping;
- Replaceable stainless steel seat, corrosion resistance, erosion resistance;
- Nylon reinforced rubber diaphragm, high elasticity, high pressure withstanding, long service life;
- Fusion bonded epoxy coating inside and outside.



Basket Type Strainer	
Nominal Diameter	1 1/2"-32" / DN40-DN800mm
Pressure Range	10Bar / 16Bar / 25Bar
End Connection	Double Flange
Face-to-face	Manufacturer Standard
End Connection Standard	EN1092-2 PN10 / 16/25;
Inspection and Test	API 598, EN12266-1
Body Material	Ductile Iron
Medium	Sewage; Clean Water; Raw Water etc.
Working Temperature	0°C to 80°C

- Easy maintenance;
- Low head loss;
- Drain plug design can realize full drainage without removing the bonnet;
- Long service life due to the stainless steel screen;
- Ductile iron parts coated with fusion bonded epoxy.



NRS Resilient / Metal Seat Gate Valve	
Nominal Diameter	1 1/2"-48" / DN40-DN1200mm
Pressure Range	10Bar / 16Bar / 25Bar / ASME Class upto 150
Valve Standard	EN 1074 part1 & 2; EN1171
End Connection	Double Flange
Face-to-face	EN 558; DIN 3202; ISO5752 Series 15; ASME B16.10; AS 2638
Flange Drilling	EN1092-2 PN10 / 16 / 25; ASME B 16.1 / 16.42 CL125 / CL150; AS4087; ASME B16.47 / 16.5
Inspection and Test	API 598; EN12266-1
Body Material	Ductile Iron; CS / SS / Bronze (Option Available)
Seat	Rubber / Metal
Medium	Sewage; Clean Water; Raw Water etc.
Working Temperature	0°C to 80°C (Resilient); 0°C to 230°C (Metal)

- Low operating torque due to the wedge shoes in PA and guide rails on the body;
- Maintenance-free and corrosion-resistant stem sealing;
- High strength alu-bronze or stainless steel valve seat;
- Metal faces machined to a high finish for optimum contact and minimum leakage;
- Counter bored, stainless steel bonnet bolts, sealed with hot-melt and encircled by the bonnet gasket for optimum corrosion protection;
- Fusion bonded epoxy coating inside and outside.



Flexible Check Valve	
Nominal Diameter	2"-28" / DN50-DN700mm
Pressure Range	10Bar / 16Bar / ASME Class upto 150
Valve Standard	EN 1074 part1 & 3; EN16767
End Connection	Double Flange
Face-to-face	EN558; DIN-F6
Flange Drilling	EN1092-2 PN10 / 16; ASME B16.5
Inspection and Test	API 598; EN12266-1
Body Material	Ductile Iron
Seat	Rubber
Medium	Sewage; Clean Water; Raw Water etc.
Working Temperature	0°C to 80°C

- Non slam;
- Elastomer-coated wedge;
- Bonnet gasket in a groove between bonnet and body to prevent blow-out;
- Requires a minimum of force to open/close due to the light weight;
- Fusion bonded epoxy coating inside and outside.



Resilient Axial Flow Check Valve	
Nominal Diameter	2"-24" / DN50-DN600mm
Pressure Range	10Bar / 16Bar / 25Bar / 40Bar
Valve Standard	EN 1074 part1 & 3; EN16767
End Connection	Double Flange
Face-to-face	Factory Standard
Flange Drilling	EN1092-2 PN10/16/25; ASME B 16.1/16.42 CL125/CL150; ASME B16.5
Inspection and Test	API 598; EN12266-1
Body Material	Ductile Iron; CS / SS / Bronze (Option Available)
Seat	Rubber
Medium	Sewage; Clean Water; Raw Water etc.
Working Temperature	0°C to 80°C

- Non slam;
- Streamlined Venturi Shape Design to ensure flow efficiency and minimize pressure loss;
- Soft seat design for tight seal;
- Fusion bonded epoxy coating inside and outside.



Single Orifice Air Release Valve	
Nominal Diameter	1"-8" / DN25-DN200mm
Pressure Range	10Bar / 16Bar
Valve Standard	EN 1074 part 4
End Connection	Flanged / Threaded
Flange Drilling	EN1092-2 PN10/16
Inspection and Test	API 598; EN12266-1
Body Material	Ductile Iron
Medium	Sewage; clean water; raw water; etc.
Working Temperature	0°C to 80°C

- Resilient seated;
- Floating ball material: ABS or Stainless steel;
- Soft seat design for tight seal;
- Single ball incorporates both features within one valve: more compact and economical;
- Ductile iron parts coated with fusion bonded epoxy.



Plunger Control Valve	
Nominal Diameter	8"-80" / DN200-DN2000mm
Pressure Range	6bar / 10bar / 16bar / 25bar
End Connection	Double Flange
Face-to-face	EN 558
Flange Drilling	EN 1092-2; ASME B16.5 / B16.47
Inspection and Test	EN12266-1
Body Material	Ductile Iron
Medium	Sewage; Clean Water; Raw Water etc.
Working Temperature	-20°C to 110°C

- Linear throttling: the valve's opening and flow are linear, allowing for precise adjustment.
- Cycle life: proper flow paths and suitable materials ensure the valve has a long service life.
- Convenient installation: can be installed vertically, horizontally, or suspended, and can be installed on either side of the pipeline.
- Vibrating resistance: holes distributed on the sleeve, effectively preventing intense vibrations



Copper Valve	
Nominal Diameter	Gate Valve: 1/2"-2" / DN15-DN50mm Globe Valve: 1/2"-2" / DN15-DN50mm Check Valve: 1/2"-2" / DN15-DN50mm Air Release Valve: 1/2"-1" / DN15-DN25mm Strainer: 1/2"-2" / DN15-DN50mm
Pressure Range	16Bar
End Connection	Threaded
Face-to-face	Manufacturer Standard
Inspection and Test	EN12226-1
Body Material	Bronze
Medium	Sewage; Clean Water; Raw Water etc.
Working Temperature	-10°C to 110°C

- Copper valve has excellent anti-corrosion properties, as well as high strength and performance.
- Appropriate pressure range: Capable of meeting the medium and low pressure requirements for most civilian and general industrial applications.
- Copper valve has a simple structure and is not easily affected by the external environment.
- Copper valves offer significant hygiene advantages in drinking water systems.