Arrowhead

Welcome to visit our website

www.arrowhead-global.com

Arrowhead (Malaysia) Sdn.Bhd.
Menara SSM@Sentral No.7, Jalan Stesen Sentral 5,
Kuala Lumpur Sentral, 50470 Kuala Lumpur
www.arrowhead-global.com
Phone: 6019-3343348

Arrowhead®

RELIABLE - PROVEN - TRUSTED - SINCE 1936

Universal Valve

Catalogue

COMPANY PROFILE

Arrowhead, a leading global expert in fluid control and distribution from U.S., since 1936, has continuously evolved to meet the dynamic needs of our customers. With a global team of over 2,400 employees and a network of 22 subsidiaries worldwide, our presence extends to more than 70 countries across 3 continents. This expansive reach empowers us to not only set industry standards but also to deliver customized solutions tailored to our clients' specific needs.

Our journey, spanning nearly a century, is a testament to our unwavering commitment to innovation and excellence. Since our establishment in the USA in 1936, Arrowhead has been at the forefront of industry advancements. From the development of frost-proof technology in 1960 to the launch of our flagship line of lead-free products in 2014, we have consistently revolutionized industry standards. Furthermore, our recent expansion into the markets of Eastern Europe, Central Asia, and Southeast Asia between 2019 and 2023 has further solidified our global presence.

In line with our vision of becoming a global expert in fluid control and distribution within 30 years, Arrowhead remains at the forefront of the industry, driven by a steadfast commitment based on our extensive research and development work, and passion for creating premier achievements. We are acting with foresight, developing solutions that enhance daily lives worldwide and contribute to a better future for all.

As a future-driven and sustainability-focused brand, Arrowhead provides a comprehensive range of solutions, covering industrial valves, universal valves, steel piping, and plastic piping solutions, to meet the diverse needs of various sectors, such as residential, commercial, agricultural, industrial, and infrastructure. We take pride in being a reliable partner to our customers and ensuring consistent service outstanding for the foreseeable future.

Arrowhead is committed to driving innovation and excellence in fluid control and distribution. With a focus on customer satisfaction and environmental responsibility, we will continue to deliver superior quality and reliability worldwide, boosting the potential to create significant value for current and future generations.

TABLE OF CONTENTS

Brass

Stainless steel

BALL VALVES

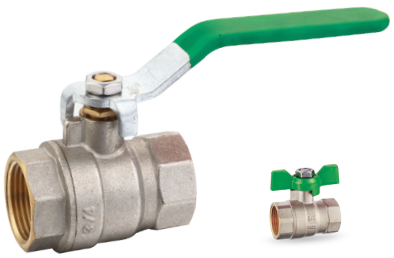
Application Field

- Ball valves are widely used in fluid control systems, including various areas such as domestic water supply, heating, irrigation, fire protection, and sewage treatment.

Function

- The most commonly used shut-off valves utilize a rotating ball to control the opening and closing of the valve.

PN30 Ball Valve

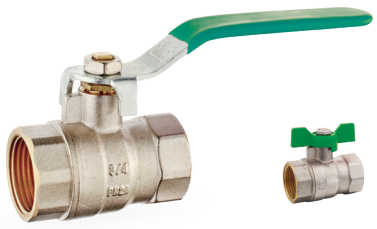


Specification

- Standard bore
- Fields of applications: Water
- Maximum working Pressure: 30 bar
- Female thread connections comply with ISO228
- Forged body
- Lever handle: 3/8"-2"
- Butterfly handle: 3/8"-1"
- Material: Brass

No.	Size
3BVB103	3/8″
3BVB104	1/2"
3BVB106	3/4"
3BVB108	1"
3BVB110	1¼"
3BVB112	1½"
3BVB114	2"

PN25 Ball Valve



Specification

- Standard bore
- Fields of applications: Water
- Maximum working Pressure: 25 bar
- Female thread connections comply with ISO228
- Forged body
- Lever handle: 3/8"-2"
- Butterfly handle: 3/8"-1"
- Material: Brass

No.	Size
3BVB503	3/8″
3BVB504	1/2"
3BVB506	3/4"
3BVB508	1"
3BVB510	1¼"
3BVB512	1½"
3BVB514	2"

PN16 Ball Valve

Specification

- Reducing bore
- Fields of applications: water
- Maximum working pressure 16 bar
- Female thread connections comply with ISO228
- Forged body
- Material: Brass

No.	Size
3BVB503	3/8″
3BVB504	1/2"
3BVB506	3/4"
3BVB508	1"
3BVB510	1¼"
3BVB512	1½"
3BVB514	2"

GATE VALVES

Application Field

- Gate valves are manual valves that can be fully opened or closed, commonly used in pipeline systems, water pumping stations, oil pipelines, and other industries.

Function

- The most commonly used shut-off valve employs a rotating handwheel to raise and lower the gate.

Gate Valve

Specification

- Fields of applications: water & non-caustkity liquid & saturated steam
- Maximum working pressure: 16 bar
- Non-rising stem
- Female thread connections comply with ISO228
- Forged brass body, solid wedge
- Material: Brass

No.	Size
3GVC004	3/8″
3GVC006	1/2"
3GVC008	3/4"
3GVC010	1"
3GVC012	1¼"
3GVC014	1½"
3BVB114	2"

Magnetic Gate Valve

Specification

- Fields of applications: water & non-caustkity liquid & saturated steam
- Maximum working pressure: 16 bar
- Magnetic control with the key
- Female thread connections comply with ISO228
- Forged brass body, solid wedge
- Material: Brass

No.	Size
3DMI201	3/8″
3DMI202	1/2"
3DMI203	3/4"
3DMI204	1"
3DMI205	1¼"
3DMI206	1½"
3BVB114	2"

Gate Valve with Lock

Specification

- Fields of applications: water
- Maximum working pressure: 16 bar
- Maximum working temperature: 90°C
- Female thread connections comply with ISO228
- Body: forged brass
- Control with the key
- Material: Brass

No.	Size
3DMB101	1/2"
3DMB102	3/4"
3DMB103	1"
3DMB104	1¼"
3DMB105	1½"
3DMB106	2"

STOP VALVES

Application Field

- Stop valves are commonly used in household water supply pipelines and have various other applications such as sewage treatment, natural gas transportation, chemical production, HVAC systems, and many other fields.

Function

- They mainly serve to cut off and regulate the flow in pipeline systems or production facilities. It's important to note that stop valves have a certain directional flow as the general medium flows from bottom to top, so special attention is required during installation.

Stop Valve

Specification

- Fields of applications: water
- Maximum working pressure: 16 bar
- Maximum working temperature: 90°C
- Female thread connections comply with ISO228
- Body: forged brass
- Material: Brass

No.	Size
3SUA011	1/2"
3SUA022	3/4"
3SUA033	1"
3SUA044	1¼"
3SUA055	1½"
3SUA066	2"

PPR VALVES

Application Field

- PPR valves are extensively used in domestic water supply, heating systems, and other industries. However, they are not suitable for areas with strong ultraviolet radiation.

Function

- PPR valves are connected using hot-melt PPR pipes and can be easily disassembled and replaced, providing convenient conditions for pipeline maintenance and repairs.

PPR Ball Valve

Specification

- Standard bore
- Fields of applications: Water
- Maximum working Pressure: 16 bar
- Maximum working temperature: 95°C
- The surface is plated according to demand
- Hot melt PPR tube to connect
- Material: Brass

No.	Size
3RBVP106	PPR20
3RBVP108	PPR25
3RBVP110	PPR32

PPR Gate Valve

Specification

- Fields of applications: water
- Maximum working pressure: 16 bar
- Maximum working temperature: 95°C
- Body: forged brass
- Hot melt PPR tube to connect
- Material: Brass

No.	Size
3GVP006	PPR20
3GVP008	PPR25
3GVP010	PPR32

PPR Stop Valve

Specification

- Fields of applications: water
- Maximum working pressure: 16 bar
- Maximum working temperature: 95°C
- Body: forged brass
- Hot melt PPR tube to connect
- Material: Brass

No.	Size
3SWP006	PPR20
3SWP008	PPR25
3SWP010	PPR32

Y STRAINERS

No.	Size
3SYA004	1/2"
3SYA006	3/4"
3SYA008	1"
3SYA010	1¼"
3SYA012	1½"
3SYA014	2"

Application Field

- Y-type filters are widely used in areas such as domestic water supply, circulating cooling water systems, heat exchange systems, air conditioning and refrigeration systems, central heating systems, and hot water boiler systems.

Function

- The main principle of Y-type filters is to trap substances smaller than the medium aperture size using the screening mesh, while some screens have special effects such as adsorption to protect the normal operation of equipment and pipelines.

Specification

- Fields of applications: Water
- Maximum working Pressure: 16 bar
- Maximum working temperature: 95°C
- The filtration of coarse impurities (150um) helps to extend the service life of downstream equipment and pipelines.
- The pressure drop is small while allowing for high flow rates.
- It operates silently (<20 dBA).
- Material: Brass

SWING CHECK VALVES

No.	Size
3CUA004	1/2"
3CUA006	3/4"
3CUA008	1"
3CUA010	1¼"
3CUA012	1½"
3CUA014	2"

Application Field

- suitable for the following scenarios:
- smaller pipe systems, such as residential buildings and small factories;
- low-pressure and medium-low-pressure systems, such as water supply and drainage systems and air conditioning systems;
- limited spaces, such as well covers and basements.

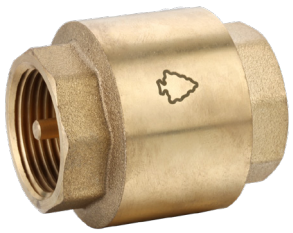
Function

- The valve disc relies on the pressure of the flowing medium to open or close, preventing medium backflow. It must be installed horizontally with a specific flow direction and should not be installed in reverse.

Specification

- Fields of applications: water
- Maximum working pressure: 16 bar
- Maximum working temperature: 95°C
- Smooth flow path, small fluid resistance
- The valve closes quickly, the water hammer pressure is small
- Material: Brass

NON-RETURN VALVES



No.	Size
3CVC004	1/2"
3CVC006	3/4"
3CVC008	1"
3CVC010	1¼"
3CVC012	1½"
3CVC014	2"

Application Field

- Applicable in the following scenarios:
- Sewage treatment systems: prevent sewage backflow, affect water quality and equipment life.
- Tap water pipeline system: prevent tap water backflow, pollute water quality, and prevent equipment damage.
- Oil and chemical systems: prevent backflow, thereby protecting equipment and important safety amount.

Function

- The opening and closing of the valve are controlled by the tension and pressure of the spring, suitable for vertical or horizontal pipelines to prevent backflow, and there is a water flow direction, it can't be installed reversely.

Specification

- Fields of applications: water
- Maximum working pressure: 16 bar
- Maximum working temperature: 95°C
- Quick interruption of reverse water flow.
- Material: Brass

FOOT VALVES

No.	Size
3CVJ004	1/2"
3CVJ006	3/4"
3CVJ008	1"
3CVJ010	1¼"
3CVJ012	1½"
3CVJ014	2"

Application Field

- When the home tap water system needs to install a self-priming pump, and when agricultural irrigation or municipal water supply needs to use a centrifugal pump, footValve needs to be installed at the import to avoid tap water backflow.

Function

- Energy-saving valve, usually installed at the bottom of the pump, to play a one-way flow role, the valve cover has many reinforcement ribs for filtering larger impurities, and also has a supporting Function.

Specification

- Fields of applications: water
- Maximum working pressure: 16 bar
- Maximum working temperature: 95°C
- Female thread connections comply with ISO228
- Quick interruption of reverse water flow.
- Material: Brass

MINI BALL VALVES

No.	Size
3MBV004	1/2F*1/2F
3MBV104	1/2F*1/2M

Application Field

- Mini ball valve, usually used for fluid control and adjustment in small flow pipes, to meet the pipeline system's requirements for fluid control and switching Functions.

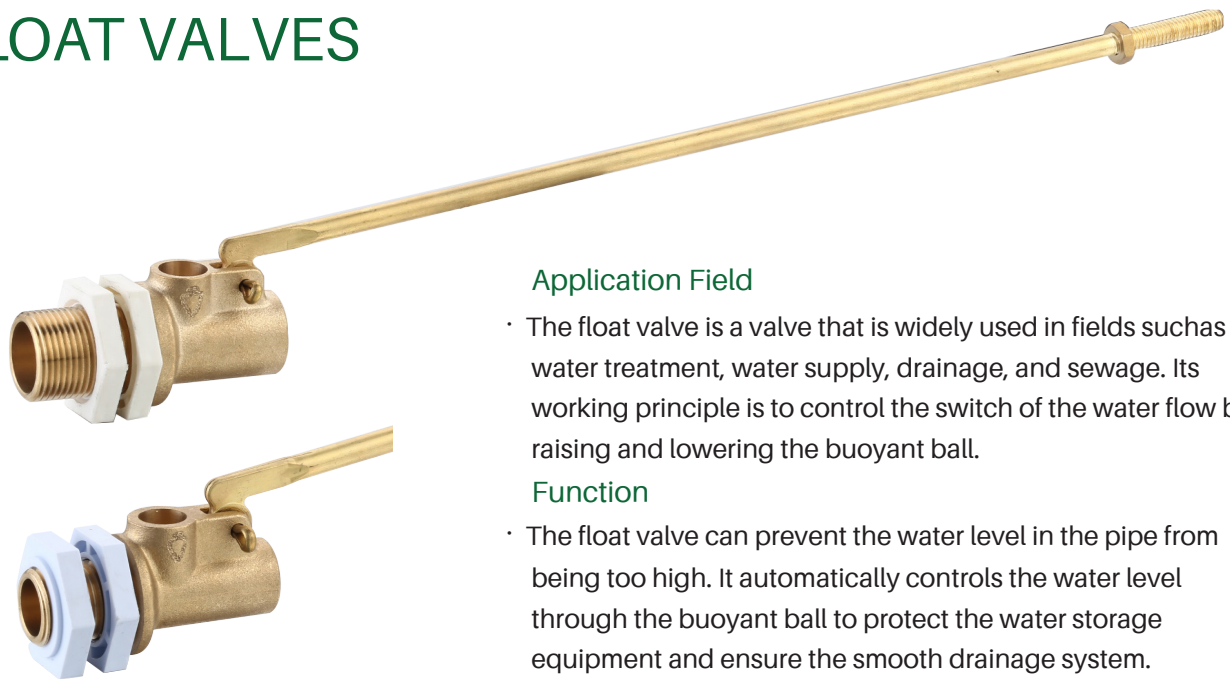
Function

- Mini Ball Valve working torque is small, it's easy to open and close, the rotation of the ball valve body can control the flow rate in the pipeline, and the overall valve volume is relatively small, easy to operate.

Specification

- Fields of applications: water
- Maximum working pressure: 10 bar
- Female thread connections comply with ISO228
- Forged brass body
- Material: Brass

FLOAT VALVES



No.	Size
3FVA004	1/2″
3FVA006	3/4″

Application Field

- The float valve is a valve that is widely used in fields suchas water treatment, water supply, drainage, and sewage. Its working principle is to control the switch of the water flow by raising and lowering the buoyant ball.

Function

- The float valve can prevent the water level in the pipe from being too high. It automatically controls the water level through the buoyant ball to protect the water storage equipment and ensure the smooth drainage system.

Specification

- Fields of applications: water
- Maximum working pressure: 16 bar
- Maximum working temperature: 50°C
- Material: Brass

BIB COCKS

Application Field

- Bib cocks are widely used in environments such as households, shopping malls, industry, and outdoors, installed at the system end for water intake or drainage.

Function

- By rotating the handle, the fluid medium can be started, closed and control the outlet water flow rate. The nozzle has two types: quick opening and slow opening.

Specification

- Fields of applications: water
- Working pressure: 10 bar
- Threads comply with ISO228
- Forged brass body
- Material: Brass

No.	Size
3BBE011	1/2″
3BBE033	3/4″
3BBE034	1″

No.	Size	Material
3BBA011	1/2″	Brass (Native color)
3BBA033	3/4″	Brass (Native color)
3BBA034	1″	Brass (Native color)
3BBC011	1/2″	Brass (electroplating)
3BBC033	3/4″	Brass (electroplating)
3BBC034	1″	Brass (electroplating)

AIR VENTS

Application Field

- Our product is suitable for water-based closed systems (such as EN12828) used for heat dissipation and cooling, such as the heating/cooling industry, wind power industry, marine engineering, industrial equipment and other fields. It automatically expels air (bubbles) in the system medium, improves efficiency, reduces oxidation and corrosion in the system, and reduces noise.

Function

- When the system is filled with circulating water, the gas in the water continuously escapes and gathers at the highest point due to changes in temperature and pressure. When the gas accumulation reaches a certain level, the float will fall and drive the valve rod to move down, opening the exhaust port and continuously discharging the gas.

No.	Size
3AVA101	3/8″
3AVA102	1/2″
3AVA103	3/4″
3AVA104	1″

Specification

- Max working pressure: 10 bar
- Max working temperature: 110°C
- Applicable medium: Water / ethylene glycol solution
- Max exhaust pressure: 15%
- The connect thread is conformed to the standard ISO 228
- Material: Brass

SIPHONS

Application Field

- The trap is widely used in the drainage system of public places such as homes, hotels, hospitals, schools, shopping malls, office buildings, etc. The most common Application Field include: the sewer pipes of kitchens, bathrooms, toilets, the drainage pipes of basements, garages, swimming pools, sewage treatment plants, etc.

Function

- The working principle of the trap is based on the gravity principle. When the sewage flows through the U-shaped trap of the pipe, the water in it will accumulate at the bend to form a U-shaped water seal. This water seal can prevent the gas or odor infiltrating in the pipe from flowing back into the room, playing a buffer role.

Specification

1.1/4" × 32mm
Siphon side-pipe with O-ring

Specification

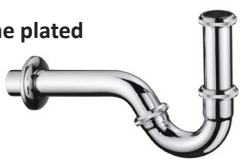
1.1/2" × 42mm Siphon

Specification

P-trap, chrome plated
1.1/4" × 32mm

Specification

Pipe trap for bidet, chrome plated
1.1/4" × 32mm



HOSE

No.	Size
3GACc2	F3/8″* F3/8″
3GACc22	F3/8″* F1/2″
3GACc23	F1/2″* F1/2″
3GACc24	F3/4″*F3/4″
3GACc25	F1/2″* F3/4″

Application Field

- hoses with their good corrosion resistance, flexibility, high-temperature resistance, high-pressure resistance, and stress cracking performance, are widely used in the fields of domestic water drainage, petroleum, chemical industry, food, medical treatment, etc.

Function

- Generally, we provide domestic water braided pipes, which are used to connect water pipes when installing sanitary ware such as washbasins. They are heat and aging resistant, flexible in connection, increase bending resistance, and have a certain shock absorption Function.

Specification

- PEX inner hose, EPDM washer incorporated
- Stainless steel braid AISI 304
- Nickel plated brass end fittings
- Working Pressure: 10 bar
- Bursting Pressure: 30 bar
- Maximum Temperature: 90°C
- Length (cm): 15/20/25/30/35/40/45/50/60/70/80/90/100 (Please ask for other models)
- Certification: DVGW, KTW-A
- Material: Brass+stainless steel

WC TAP &WM TAP

Application Field

- The valves are also widely used in the fields of construction decoration and commerce. In large projects such as buildings or hotels, they can connect different pipes to ensure the correct operation of sewage and clean water systems.

Function

- After installing the valve, it can play an on-off role. Especially during maintenance, the tap can be closed without having to close the main valve, which is very convenient. Moreover, when the water volume is large, it can also play a certain role in regulating the flow.

Specification

- Maximum working pressure: 16 bar
- Fields of applications: water
- Threads comply with ISO228
- Polish chromed
- Forged brass

Angle valve chrome

No.	Size
3ATB221	1/2″*3/8″
3ATB222	1/2″*1/2″
3ATB223	1/2″*3/4″

Angle valve chrome

No.	Size
3ATB323	3/4"

Tap simple straight chrome

No.	Size
3ATA105	3/4"

FITTINGS

Application Field

- It is generally suitable for connection in pressure pipeline systems such as household tap water, gas pipelines, fire systems, refrigeration systems, etc.

Function

- The pipe fittings are categorized by connection method, including threaded, welded, ferrule, sleeve, quick insert, etc.
- According to the classification of connected pipes, there are PEX fittings, aluminum plastic fittings, rigid pipe fittings, etc.
- According to the classification of fitting materials, there are brass fittings, bronze fittings, stainless steel fittings, carbon steel fittings, plastic fittings, etc.

3CA3

Specification

- Easy connection system for copper pipe For use in potable water systems

Fixed Fitting Male

Elbow

Wall Plate Elbow

Tee

3CAA

Specification

- Working pressure: 3-16bar
- Working temperature: -20°C to 120°C
- Compression connections comply with EN1254-2
- Natural and CP surface is available

Equal Coupling

Equal Elbow

Equal Tee

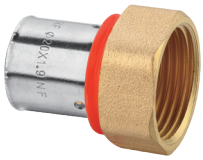
FITTINGS

BDG3

Specification

- Combines the advantages of metal and plastic pipes Light and flexible
- Small thermal expansion factor
- Certified and fast installing system
- High resistance to pressure and temperature

Fixed Fitting Female



End Famale Elbow

Drop Ear Female Elbow

2PA3

Specification

- Push-Fit Fittings allow the user to connect pipe in seconds with relative easeInstant push-fit connection for increased ease-of-use: No soldering required. No heavy or expensive toolsFits OD controlled copper, PEX, PB, Multilayer Pipe: Versatility with all accepted types of pipesContains an inner lining that is effective in supporting PEX, PB, Multilayer Pipe: Ensures secure, reliable connection Design certified and agency testedFor use in potable water systemsApproved to be used underground and behind walls without access panelsDesigned for hydraulic heating as well as potable water distribution

MANIFOLDS

Application Field

- Splitters are commonly used pipe fittings that are mainly used in agriculture, industry, and homes to distribute water from pumps or other sources to multiple water outlets to meet different needs.

Function

- The working principle of the water flow distributor mainly controls the ingress and direction of the water flow by adjusting the valve, and selects the on-off of the branch outlet according to the needs.

Specification

- Maximum working pressure: 16 bar
- Working temperature: -20°C to 120°C
- Threads comply with ISO228
- Natural and CP surface is available

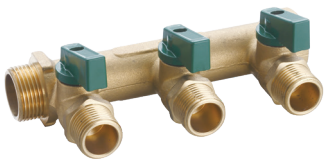
Female/Male, male connection branches, forged brass

3MFJ

Male/Male, male connection branches, forged brass

3MFG

Female/Male, male connection branches, with ball valves, forged brass



3FML

Male body, connection branches, forged brass

3MFR

Male body, connection branches, forged brass

3MFS

BALL VALVES

Application Field

- Ball valve is a valve widely used in fluid control systems, including domestic water, heating, irrigation, firefighting, sewage treatment, and other fields.

Function

- The use of a rotating ball to achieve the valve's on-off control Function is one of the most commonly used shut-off valves.

Specification

- Standard bore
- Maximum working Pressure: 16 bar
- strong corrosion resistance.
- Female thread connections comply with ISO228
- Size: 3/8"-2"
- Material: Stainless steel

No.	Size
3BVG603	3/8″
3BVG604	1/2"
3BVG606	3/4"
3BVG608	1"
3BVG610	1¼"
3BVG612	1½"
3BVG614	2"

GATE VALVES

Application Field

- A gate valve is a manually operated valve that can be fully opened or closed. It is commonly used in pipeline systems, pump stations, oil pipelines, and other fields.

Function

- It uses a rotating handwheel and a lifting gate to achieve its open and closed Functions, and is one of the most commonly used shut-off valves.

Specification

- Maximum working pressure: 16 bar
- Maximum working temperature: 90°C
- Non-rising stem
- Female thread connections comply with ISO228
- strong corrosion resistance.
- Material: Stainless steel

No.	Size
3GVG004	1/2"
3GVG006	3/4"
3GVG008	1"
3GVG010	1¼"
3GVG012	1½"
3GVG014	2"

STOP VALVES

No.	Size
3SWG004	1/2"
3SWG006	3/4"
3SWG008	1"
3SWG010	1¼"
3SWG012	1½"
3SWG014	2"

Application Field

- Home water pipes are one of the common uses of globe valves, but globe valves can also be used in a wide range of fields such as sewage treatment, natural gas transmission, chemical production, and HVAC systems.

Function

- It mainly plays a role of cut-off and throttling in pipeline systems or production devices. The medium generally flows from bottom to top, so the globe valve has a certain directionality of water flow, which needs special attention during installation.

Specification

- Maximum working pressure: 16 bar
- Maximum working temperature: 90°C
- Female thread connections comply with ISO228
- strong corrosion resistance.
- Material: Stainless steel

SWING CHECK VALVES

No.	Size
3CUG004	1/2"
3CUG006	3/4"
3CUG008	1"
3CUG010	1¼"
3CUG012	1½"
3CUG014	2"

Application Field

- Applied to the following scenarios:
- Smaller piping systems, such as residential buildings and small factories;
- Low-pressure and medium-low pressure systems, such as water supply and drainage systems and air conditioning systems;
- Space-restricted locations, such as manhole covers and basements.

Function

- The valve disc opens or closes automatically by the pressure of the fluid flow to prevent backflow. Its installation must be horizontal and has a flow direction; it can't be installed in reverse.

Specification

- Fields of applications: water
- Maximum working pressure: 16 bar
- Maximum working temperature: 95°C
- The flow path is unobstructed, and the fluid resistance is small.
- The disc closes rapidly, low water hammer pressure.
- Material: Stainless steel

NON-RETURN VALVES

No.	Size
3CVG004	1/2"
3CVG006	3/4"
3CVG008	1"
3CVG010	1¼"
3CVG012	1½"
3CVG014	2"

Application Field

- Applied to the following scenarios:
- Sewage treatment systems: to prevent sewage backflow, affecting water quality and equipment lifespan.
- Tap water pipeline systems: to prevent tap water backflow, polluting water quality and preventing equipment damage.
- Oil and chemical systems: to prevent a backflow phenomenon, thereby protecting equipment and key safety quantities.

Function

- The valve is controlled by the tension and pressure of the spring and is suitable for vertical or horizontal pipes to prevent backflow. And it has a flow direction; it can't be installed in reverse.

Specification

- Fields of applications: water
- Maximum working pressure: 16 bar
- Maximum working temperature: 95°C
- Quickly interrupt the reverse flow of water
- Material: Stainless steel

Y STRAINERS

No.	Size
3SYG004	1/2"
3SYG006	3/4"
3SYG008	1"
3SYG010	1¼"
3SYG012	1½"
3SYG014	2"

Application Field

- Y-type filters are widely used in areas such as domestic water supply, circulating cooling water systems, heat exchange systems, air conditioning and refrigeration systems, central heating systems, and hot water boiler systems.

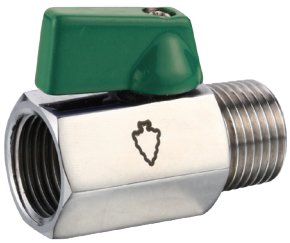
Function

- The main principle of Y-type filters is to trap substances smaller than the medium aperture size using the screening mesh, while some screens have special effects such as adsorption to protect the normal operation of equipment and pipelines.

Specification

- Fields of applications: Water
- Maximum working Pressure: 16 bar
- Maximum working temperature: 95°C
- Coarse filtering of impurities (150um) extends the life of downstream equipment and pipelines.
- Low pressure loss, high flow rate
- No noise (<20dBA)
- Material: Stainless steel

MINI BALL VALVES



No.	Size
3MBG002	1/2F*1/2F
3MBG102	1/2F*1/2M

Application Field

- The mini ball valve usually used in small-flow pipelines to control and regulate the fluid, thereby meeting the pipeline system's requirements for fluid control and switching Functions.

Function

- The working torque of the Mini Ball Valve is not large, and opening and closing are easy. The flow rate in the pipe can be controlled by rotating the ball valve body. The overall size of the valve is relatively small, and operation is convenient.

Specification

- Fields of applications: water
- Maximum working pressure: 10 bar
- Female thread connections comply with ISO228
- Material: Stainless steel

WC TAP &WM TAP

No.	Size
3ATG105	1/2"
3ATG205	1/2"
3ATG305	1/2"

Application Field

- Kitchen and bathroom angle valves are also widely used in building decoration and commercial fields. In large-scale projects such as buildings or hotels, kitchen and bathroom angle valves can connect different pipelines, ensuring the correct operation of sewage and clean water systems.

Function

- After installing the bathroom angle valve, it can act as a switch, especially during repairs; you can shut off the angle valve without having to shut off the main valve, which is very convenient. Also, when there is a large amount of water, it can play a role in adjusting the flow rate.

Specification

- Maximum working pressure: 16 bar
- Maximum working temperature: 95°C
- Fields of applications: water
- Threads comply with ISO228
- Material: Stainless steel

AIR VENTS

No.	Size
3AVG101	1/2"
3AVG102	3/4"
3AVG103	1"
3AVG104	1¼"
3AVG105	1½"
3AVG106	2"

Application Field

- This product is suitable for water-based closed systems (such as EN12828) for heat dissipation and cooling, such as heating/cooling industry, wind power industry, marine engineering, industrial equipment and other fields. It automatically discharges the air (bubbles) in the system medium, improves efficiency, reduces system oxidation corrosion, and reduces noise.

Function

- When the system is full of water circulation, the gas in the water constantly escapes to the highest point due to temperature and pressure changes. When the gas accumulation reaches a certain level, the float will fall and drive the valve stem to move downward, the exhaust port will open, and the gas will be constantly discharged.

Specification

- Max working pressure: 10 bar
- Max working temperature: 110°C
- Applicable medium: Water / ethylene glycol solution
- Max exhaust pressure: 15%
- The connect thead is conformed to the standard ISO 228
- Material: Stainless steel

FITTINGS

Application Field

- Generally suitable for connections in pressure pipeline systems such as domestic tap water, gas pipelines, fire systems, cooling systems, etc.

Function

- Generally suitable for connections in pressure pipeline systems such as domestic tap water, gas pipelines, fire systems, cooling systems, etc.
- Fittings are classified according to the connection method, including threads, welding, crimping, clamping, quick insertion, etc.;
- According to the classification of connected pipes, there are PEX fittings, aluminum-plastic fittings, hard pipe fittings, etc.

Specification

- Maximum working pressure: 16 bar
- Working temperature: -20°C to 120°C
- Threads comply with ISO228
- High corrosion resistance
- Material: Stainless steel

Socket FF

Socket FM

Socket MM

Male Nipple

Male Nipple

Reduce Socket

Socket FF

Elbow

Tee

Our Journey

1936
Frank V. Enterante & Paul Shaub begin making brass valves

1940-1945
Arrowhead is enlisted to make ammunition for WWII

1960
3rd Generation Frank L. Entrerante Develops Frost-Proof Technology

Reliable Proven Trusted Since 1936

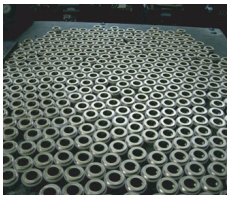
1937
Pejsa Family in El Monte, California begin making brass bells

1938
Pejsa brothers invent the irrigation anti-siphon valve still used today

1940
The Valley Brass foundry was built

2014
Arrowhead Brass goes lead-free

2006
Acquistion of Champion Irrigation and merge and expansion of product lines



2016
Global manufacturing supply chain service expansion

2019
Arrowhead Brass began global expansion in Europe

2023
Continued globalization in North America & Central America ASEAN