PRODUCT CATALOGUE

+Technical Specifications

tayfur su sistemleri

We **Care** Every Drop of **Water...**

That is why our company, which has been developing products in the field of water systems for over 20 years, offers increasingly efficient solutions every day. With our expertise and experience, we continue to develop innovative technologies for the proper control and sustainable use of water.

OUR PRODUCTION CAPACITY IS INCREASING!
OUR GOALS ARE BIGGER!

We have been wherever there is water since 2004.

Founded in Izmir by Tayfun Yazaroğlu, TAYFUR WATER SYSTEMS set out with the belief that water is the source of life. Beginning with the production of hydraulic control valves, this journey has now transformed into a strong and reliable brand offering innovative solutions across a wide range of areas, including irrigation, drinking water, firefighting and industrial systems.

In every project, while determining the direction of water, we are also shaping the sustainable infrastructure of the future. From production to project design, from installation to technical support, we work without compromising on high quality standards, with our state-of-the-art facilities and expert team. We aim to offer our customers not just products, but also trust, continuity and technical excellence.

TYPHOON branded products are developed entirely with our own production capabilities and local engineering expertise. These products stand out not only for their durability, but also for our philosophy of preserving the value of every drop. Thanks to our production processes that comply with international standards and our customer satisfaction-focused approach, we are proud to be recognised as a reliable business partner both domestically and globally.

Today, TAYFUR WATER SYSTEMS, a brand with roots in Izmir, continues on its path with the vision of being a symbol of quality, innovation, and trust wherever water is present.

Agricultural Irrigation Systems

The foundation of efficient agricultural production lies in delivering water at the right time, in the right quantity, and to the right location. Modern agricultural irrigation systems ensure both the efficient use of water resources and an increase in product quality and yield. The solutions developed in this context enable farmers to achieve a sustainable production structure independent of climatic conditions.

At TAYFUR WATER SYSTEMS, with our many years of engineering experience in the field of agricultural irrigation, we manufacture critical components such as hydraulic control valves, suction valves, backwash valves and meters to high quality standards. Each of our products saves energy by increasing the automation capabilities of the systems, prevents water wastage and minimises maintenance requirements. Thus, we offer reliable and long-lasting solutions for both small-scale businesses and large agricultural projects.

The products we develop are designed in accordance with international standards and tested to deliver maximum performance in challenging field conditions. At TAYFUR WATER SYSTEMS, our goal is to provide smart, durable, and sustainable systems for producers who value every drop. Because we believe that by determining the direction of water, we are shaping the future of agriculture.

Industrial Area Systems

Proper water management in industrial facilities is critical to the efficiency and sustainability of production processes. Every application, from pressurised lines to cooling circuits, fire systems to process lines, requires precise control and high durability. Therefore, the performance of equipment used in industrial systems is directly related to facility safety and operational continuity.

At TAYFUR WATER SYSTEMS, we manufacture products that play a critical role in industrial applications, such as hydraulic control valves, backwash valves, vacuum breakers, and meters, to high engineering standards. Our products adapt to harsh working conditions with their high pressure resistance, corrosion resistance, and long service life. By providing complete control over fluid management, they increase energy efficiency in systems and minimise maintenance times.

Designed to comply with international standards, our solutions are trusted across a wide range of applications, from factories to power plants, water treatment facilities to infrastructure projects. At TAYFUR WATER SYSTEMS, our goal is to make industrial water management smarter, safer and more sustainable, providing our customers with the assurance of uninterrupted operations.

Fire Systems

Fire safety is one of the most vital elements of every structure, from industrial facilities to public buildings, infrastructure projects to living spaces. The reliability of the equipment used in these systems is critical not only for the protection of the facility but also for the protection of human life.

As TAYFUR WATER SYSTEMS, we are a company specialising in the production of hydraulic control valves to ensure maximum safety in fire lines. Our products are designed to guarantee the fast, reliable and uninterrupted operation of fire systems. These valves, which stand out for their high pressure resistance, leak-proof performance and long service life, are tested in accordance with international standards and offered with quality assurance.

With our advanced engineering infrastructure and production experience, we produce solutions that can be used safely in various applications, from automatic sprinkler systems to fire pump stations. At TAYFUR WATER SYSTEMS, our goal is not just to manufacture products; it is to be part of systems that make a difference in fire safety, inspire confidence, and protect life.

Filter Automation

Water is a vital resource that must be managed with maximum efficiency during the filtration stage, as it is in many industrial and agricultural processes. Proper automation in filtration systems is critical in terms of energy savings, ease of maintenance, and system continuity. An effective filter automation system determines not only the quality of the water but also the lifespan and efficiency of the entire system.

At TAYFUR WATER SYSTEMS, we offer comprehensive solutions in the field of filter automation. Our products, such as hydraulic control valves, backwash valves and panels, bottom valves, and dirt traps, ensure precise flow management in automatic filter systems. Our products optimise the water filtration process while performing backwashing operations precisely and efficiently. This reduces the risk of clogging in systems, prevents energy losses, and extends maintenance intervals.

All our products stand out with their durable material construction, precise control capability, and long-lasting design. At TAYFUR WATER SYSTEMS, our goal is to provide our customers with smart, reliable, and sustainable automation solutions by maximising efficiency in filtration processes. Because we believe that water purity begins with system safety.

Hydraulic Control Valves

Hydraulic control valves are fundamental components that automatically control the pressure, flow rate, and direction of water in fluid systems, ensuring the system operates safely and efficiently. They manage the flow by operating on pressure differentials within the system without requiring electrical or mechanical intervention. Thanks to these features, hydraulic control valves save energy while also increasing the stability and durability of the system.

The main function of these valves is to regulate the flow of water under the desired conditions. They perform functions such as pressure reduction, pressure stabilisation, flow control, level control, and prevention of sudden closure or opening. They also protect against sudden pressure changes that may occur in the system, safeguarding the pipeline and other equipment. Thus, hydraulic control valves are central to both automation and system safety.

Different types of hydraulic control valves have been developed for different purposes. Pressure reducing valves maintain constant pressure in the line, protecting the equipment. Pressure relief valves secure the system in cases of excessive pressure. Flow control valves balance the flow rate of water, while level control valves automatically maintain the desired water level in reservoirs. Furthermore, soft-opening/closing valves minimise vibration and noise in the system by preventing water hammer.

Hydraulic control valves have a wide range of applications, from agricultural irrigation systems to drinking water networks, industrial facilities to firefighting lines. Thanks to their automatic operation capabilities, they are preferred in systems where energy efficiency and operational safety are paramount. At TAYFUR WATER SYSTEMS, we offer the most reliable solutions for water management by manufacturing durable and precise hydraulic valves suitable for different operating conditions.

Hydraulic Control Valves

Varieties

M	Manual Control Valve
PR	Pressure Reducing Control Valve
PS	Pressure Sustaining Control Valve
PRPS	Pressure Reducing and Pressure Sustaining Control Valve
EL	Solenoid Control Valve
PREL	Pressure Reducing Solenoid Control Valve
QR	Quick Relief Control Valve
HD	Hydraulic Check Valve
FL	Float Level Control Valve
FLEL	Electric Float Level Control Valve
DIFL	Differential Float Level Control Valve
PC	Pump Control Valve
DPC	Deep Well Pump Control Valve

TYPHOON®

Hydraulic Control Valves

Current Diameters

Flanged	**mm**	50	65	80	100	125	150	200	250	300
	inch	2	2½	3	4	5	6	8	10	12
Threaded	**mm**	20	25	32	40	50	65	80		
	inch	¾	1	1¼	1½	2	2½	3		
Victaulic	**mm**	50	65	80	100	150	200			
	inch	2	21/2	3	4	6	8			
Angle (Flanged / Threaded)	**mm**	50	80	100	150					
	inch	2								

Material : GGG40
Body : Globe
Transmission Pressure : PN10 - PN16 - PN25

Manual Hydraulic Control Valve

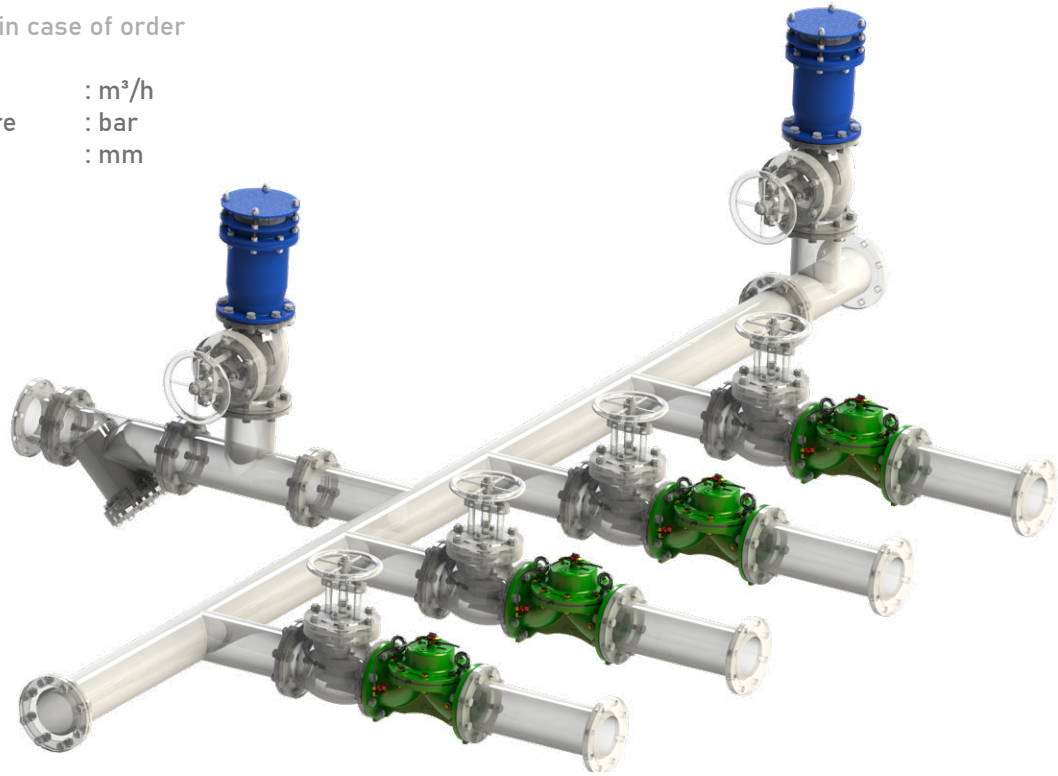
Manual Hydraulic Control Valves are reliable control elements that manually open and close the flow using line pressure. Thanks to the 3-way mini valve on them, the flow in the system can be easily directed by the operator. Operating at a minimum opening pressure of 0.7 bar, these valves deliver stable performance at different pressure levels, enhancing system safety and efficiency.

Their flexible diaphragm structure enables precise control even in high-pressure applications and prevents pressure surges that may occur during sudden closures. With their durable body structure and long-lasting sealing elements, manual hydraulic control valves offer an ideal solution for safe and trouble-free operation across a wide range of applications, from agricultural irrigation systems to industrial facilities.

Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type



Hydraulic Control Valves

Pressure Reducing Hydraulic Control Valve

Pressure Reducing Hydraulic Control Valves are automatic control valves that reduce the system inlet pressure to the desired level via the pressure reducing pilot mounted on them and maintain this value constant. They ensure stable system operation by continuously balancing the outlet pressure without being affected by changes in flow rate and inlet pressure. The valve automatically closes when the flow stops, protecting the system's safety.

Thanks to its high-precision control capability, it provides optimal pressure management in water distribution networks, industrial facilities, and irrigation systems. The valve automatically opens when the set outlet pressure is exceeded, maintaining pressure balance and increasing system efficiency. Pressure-reducing hydraulic control valves, which can be used in horizontal or vertical positions, provide reliable and precise pressure control in all types of hydraulic applications with their robust construction and long-lasting performance.

Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type
- Maximum valve inlet pressure : bar
- Minimum valve inlet pressure : bar
- Desired outlet pressure : bar

Solenoid Control Valve

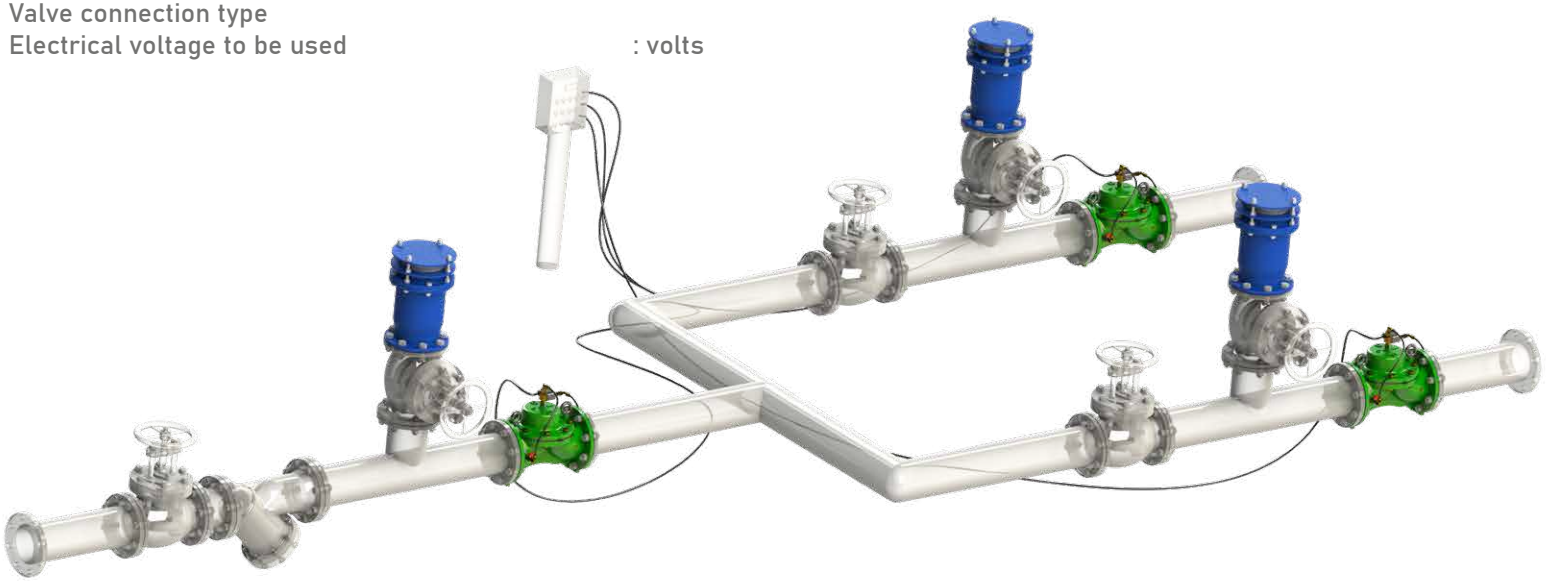
Solenoid-Controlled Hydraulic Control Valves are automatic control valves that open and close using an electrical signal remotely delivered via a mounted solenoid coil. This system allows the valve to be remotely controlled by equipment such as a controller, time relay, switch, or PLC unit, eliminating the need for human intervention. This makes system operation safer, faster, and more efficient.

Different types of solenoid coils can be used on the main valve, including 24 Volt AC (50/60 Hz), 12 Volt DC, 9 Volt DC latch, or 12 Volt DC latch, depending on application requirements. They also offer flexible control with normally open (N.O.) or normally closed (N.C.) operating principles. With their durable body construction and reliable sealing properties, solenoid-controlled hydraulic control valves provide effective and precise flow control in a wide range of applications, including automation systems, industrial facilities, and irrigation infrastructures.

Order Information

Please provide the following information in case of order

- Maksimum Flow miktarı : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type
- Electrical voltage to be used : volts



Pressure Reducing and Sustaining Hydraulic Control Valve

Pressure Reducing and Sustaining Hydraulic Control Valves are advanced control valves that stabilize the system's inlet pressure, reduce the outlet pressure to the desired value, and maintain this value consistently. Two pilots provide precise pressure management. The upstream pressure-sustaining pilot stabilizes the system inlet pressure, while the pressure-reducing pilot reduces the outlet pressure to the desired level and maintains it constant. This maintains the system's overall operating stability and ensures long-term equipment operation.

Pressure reducing and sustaining control valves balance overflow and high pressures that may occur downstream, allowing the system to operate within safe limits. Constantly controlling both inlet and outlet pressures without being affected by flow fluctuations, these valves provide high-performance, reliable, and stable pressure management in water distribution networks, industrial applications, and irrigation systems.

Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type
- Maximum valve inlet pressure : bar
- Minimum valve inlet pressure : bar
- Desired outlet pressure : bar
- Desired valve inlet pressure

Solenoid Pressure Reducing Control Valve

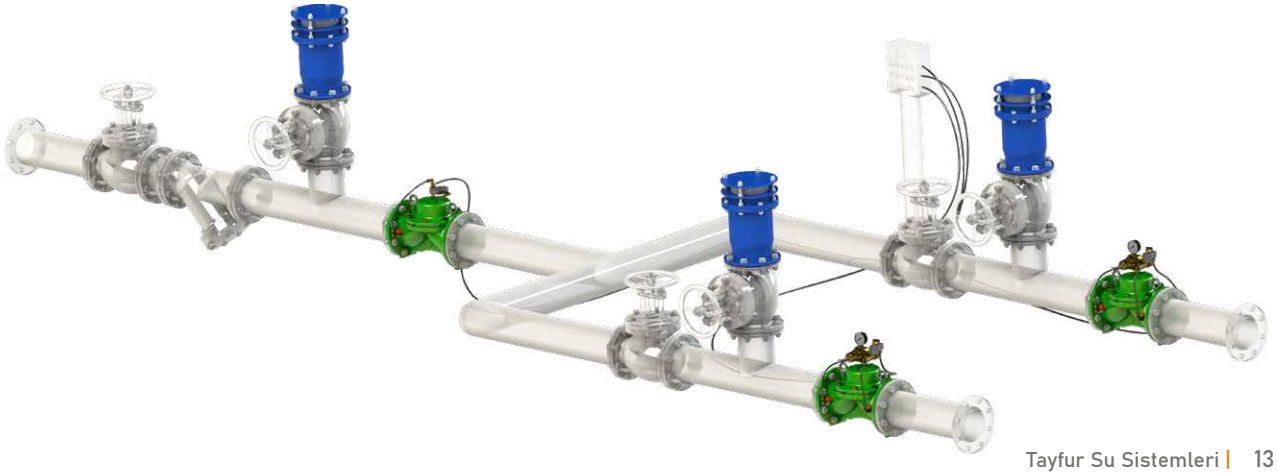
Solenoid Pressure Reducing Hydraulic Control Valves are automatic control valves that reduce system inlet pressure to a desired value, maintaining it constant and controlling it via mounted solenoid coils. This structure allows the valve to reliably provide both pressure regulation and remote on-off operation. Its advanced design compensates for pressure fluctuations in the system, allowing for stable and efficient flow management.

Solenoid coils are controlled by electrical signals transmitted to the valve via equipment such as a controller, time relay, switch, or PLC control unit. This allows for remote and precise system management with full automation support. With their durable housing and long-lasting seals, Solenoid Pressure Reducing Hydraulic Control Valves offer highly accurate and reliable pressure control in a variety of applications, from industrial facilities to irrigation systems.

Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type
- Maximum valve inlet pressure : bar
- Minimum valve inlet pressure : bar
- Desired outlet pressure : bar
- Voltage to be used : volts



Pressure Sustaining Hydraulic Control Valve

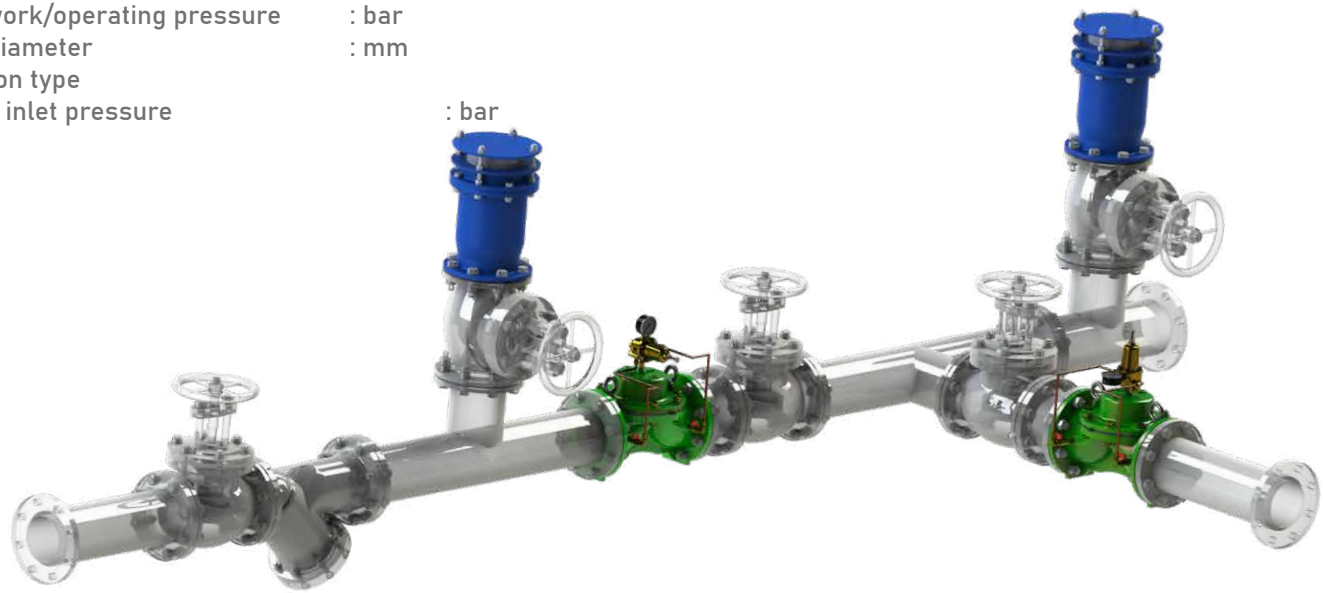
Pressure Sustaining Hydraulic Control Valves are designed to protect water systems experiencing excessive pressure increases by rapidly releasing high pressure waves caused by sudden opening. The inlet pressure is adjusted to the desired value using a pilot mechanism on the valve. When the system pressure exceeds the set value, the valve automatically activates, releasing excess pressure and maintaining safe system operating conditions.

Despite their sudden opening feature, their hydraulically operated design ensures a gradual and balanced closing process, preventing pressure surges and water hammers. Offering high reliability with their fully leak-proof closing, these valves can be used alone at critical points in water transmission lines or as safety or warning valves in the outlet lines of pressure-reducing control valves. With their durable body, long-lasting performance, and precise control capabilities, Pressure Sustaining Hydraulic Control Valves are an ideal solution for system safety.

Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type
- Required valve inlet pressure : bar



Hydraulic Control Valves

Hydraulic Check Valve

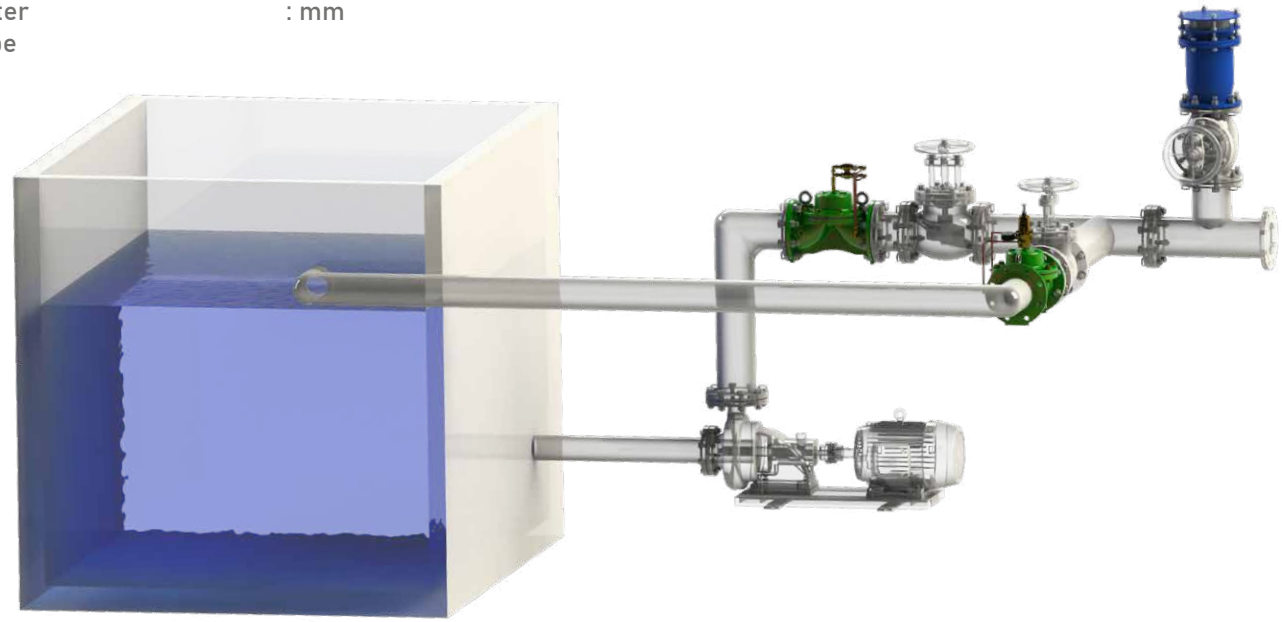
The Hydraulic Check Valve (Backflow Preventer Hydraulic Control Valve) is a hydraulically controlled valve used in place of traditional check valves at pump outlets, automatically preventing backflow. It ensures system safety by precisely sensing changes in flow direction. When the outlet pressure exceeds the inlet pressure, the valve automatically closes itself without creating a water hammer, ensuring system protection.

When the inlet pressure exceeds the outlet pressure, the valve opens slowly and steadily in a controlled manner, ensuring consistent flow. This feature extends the life of system equipment by preventing pressure fluctuations, especially during pump start-up. With their robust construction, high sealing capacity, and quiet operation, Hydraulic Check Valves provide reliable backflow protection and pressure balancing in water supply systems, industrial facilities, and pump stations.

Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type



Hydraulic Control Valves

Quick Relief Hydraulic Control Valve

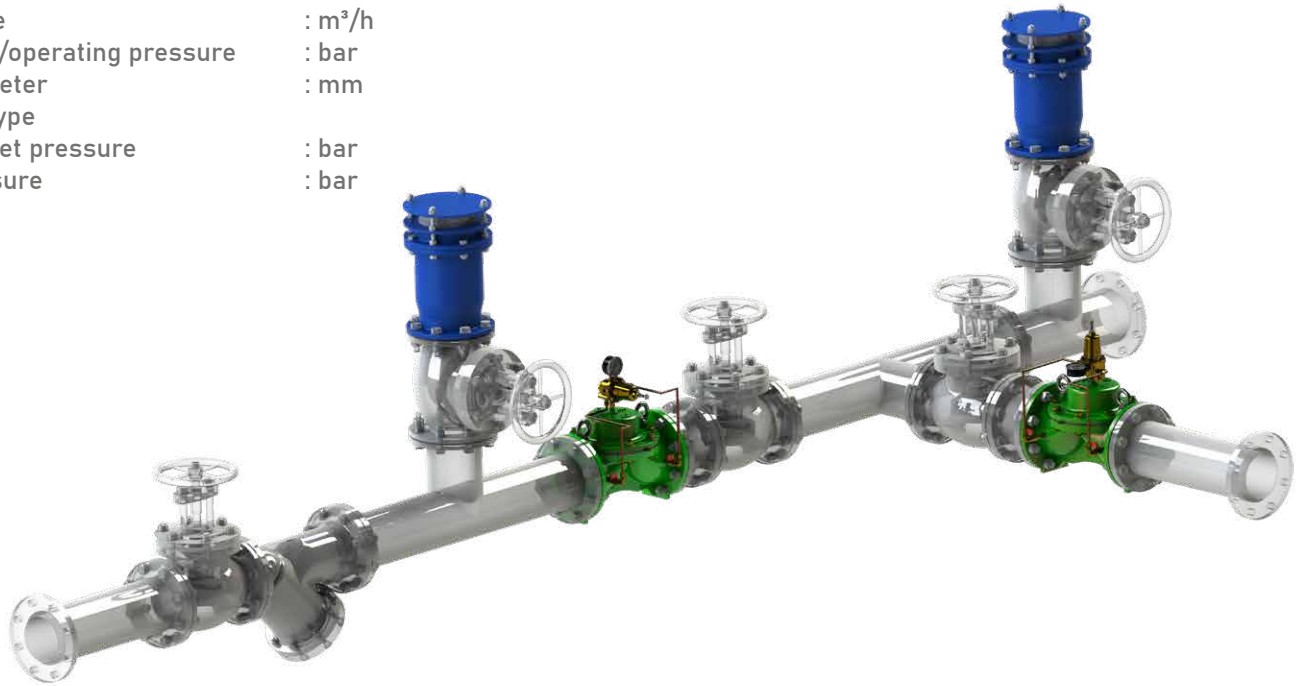
Quick Relief Hydraulic Control Valves are safety valves designed to protect against sudden pressure increases in water systems. The pilot mechanism on the valve allows the inlet pressure to be adjusted to the desired value. When system pressure exceeds a predetermined limit, the valve quickly opens and releases excess pressure, thus preventing damage to equipment in the pipeline.

Thanks to its hydraulically operated design, the sudden opening and closing process is slow and controlled, preventing pressure fluctuations and water hammers in the system. Providing high safety with their fully leak-proof closing feature, Quick Relief Control Valves can be used alone in critical areas of water transmission lines or as safety or warning valves in the outlet lines of pressure-reducing control valves. Their durable body and high response sensitivity contribute to the system's stable, safe, and efficient operation.

Order Information

Please provide the following information in case of order

- Maximum flow rate : m^3/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type
- Maximum valve inlet pressure : bar
- Desired inlet pressure : bar



Float Level Control Valve

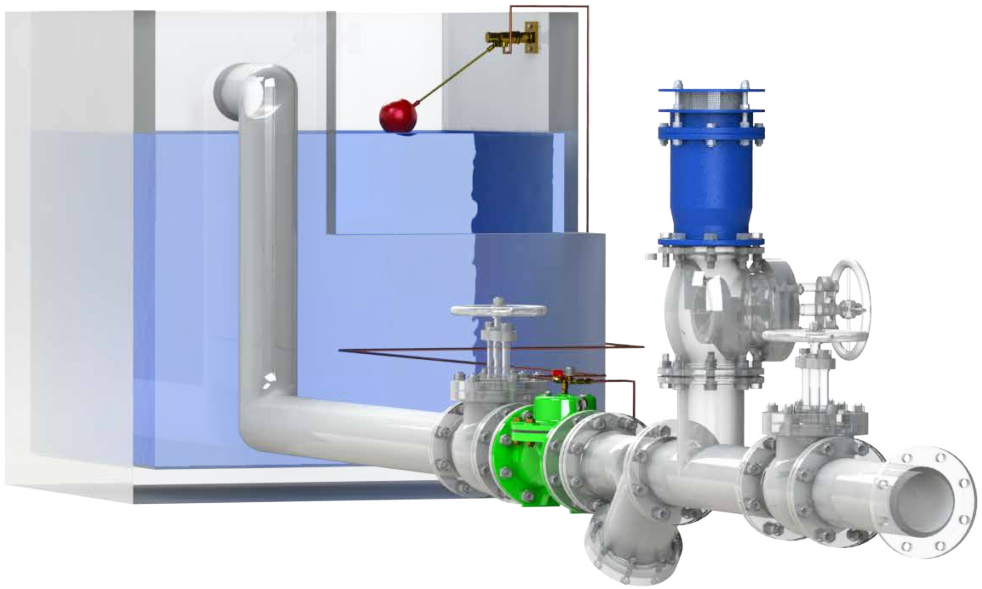
Float Level Control Valves are hydraulically controlled valves that automatically monitor and balance the water level in water tanks. The main valve is manually controlled via the two-way float switch within the system. Mounted at the tank inlet, the valve closes when the water level reaches maximum water level without causing a water hammer, and opens automatically when the level reaches minimum, ensuring the tank remains constantly full. This ensures both water conservation and uninterrupted flow.

A needle valve is used to adjust the valve's opening and closing speed to the desired level. This feature contributes to more precise and balanced system operation. Float Level Control Valves can be installed horizontally or vertically and are compatible with electric float or differential float control systems depending on the application. Their durable construction, leak-proof performance, and long-lasting operation ensure safe level control in water storage and transmission systems.

Order Information

Please provide the following information in case of order

- Maximum flow rate : m^3/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type



Differential Float Level Control Valve

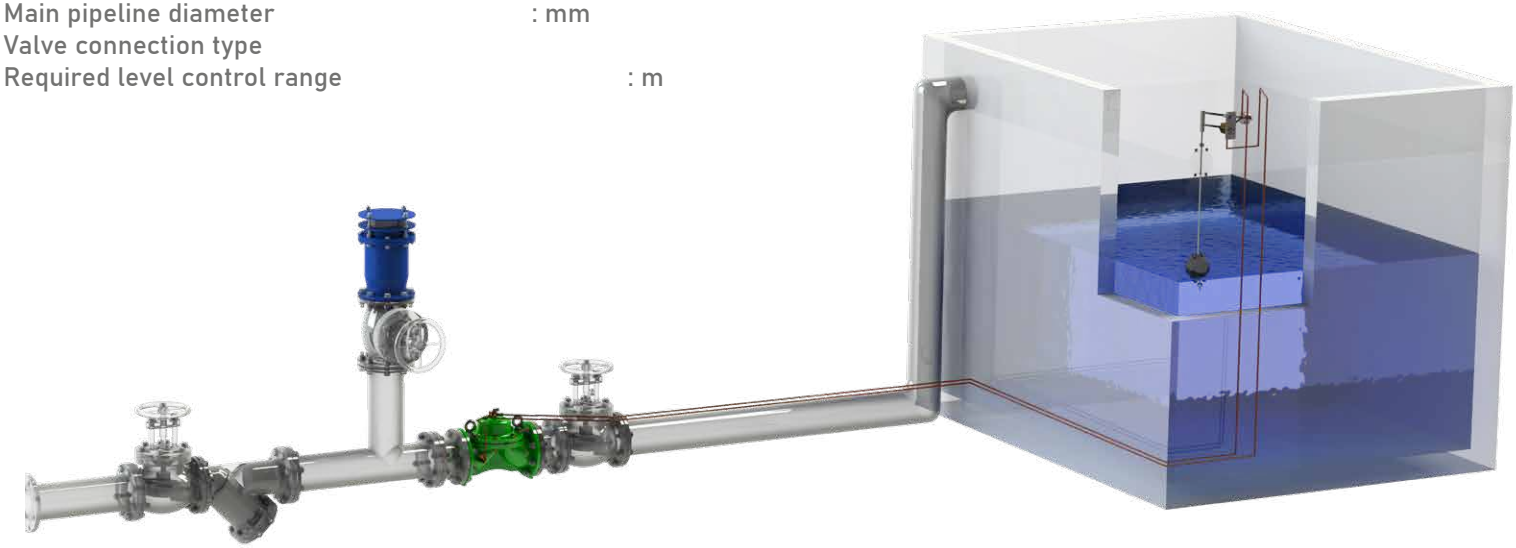
Differential Float Level Control Valves are hydraulically controlled valves that precisely monitor and automatically balance the level in water tanks. The main valve is controlled via a differential float system, maintaining constant control of the tank water level between maximum and minimum limits. When the water level reaches maximum, the valve closes without impact. If the level drops, it opens automatically, ensuring the tank remains full.

A needle valve is used to adjust the valve's opening and closing speed, contributing to precise and balanced system operation. Differential Float Level Control Valves can be installed horizontally or vertically and can be integrated with electric float systems when necessary. Their robust construction, long-lasting sealing performance, and precise control capabilities ensure reliable level control in water storage and transmission systems.

Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type
- Required level control range : m



Electric Float Level Control Valve

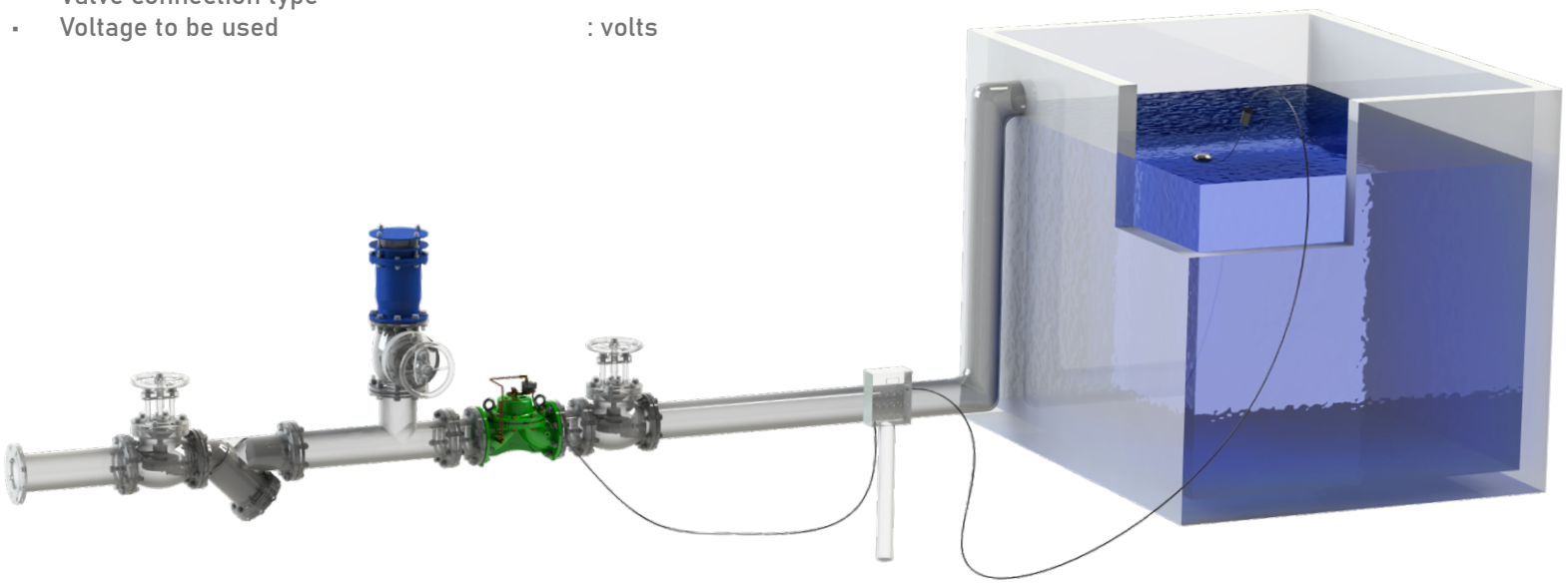
Electric Float Level Control Valves are hydraulically controlled valves that continuously monitor and automatically regulate the water level within the tank using an electric float. When the water level in the tank falls below a predetermined minimum level, the electric float sends a signal to the solenoid coil on the main valve. This signal then fully opens the valve, ensuring the tank remains full and contributing to uninterrupted system operation.

When the water level reaches the maximum level, the electric float sends a signal back to the solenoid coil, closing the valve without impact. The valve can be installed horizontally or vertically. With its durable body, long-lasting seals, and precise control capabilities, Electric Float Level Control Valves provide reliable level management in water storage and transmission systems.

Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type
- Voltage to be used : volts



Pump Control Valve

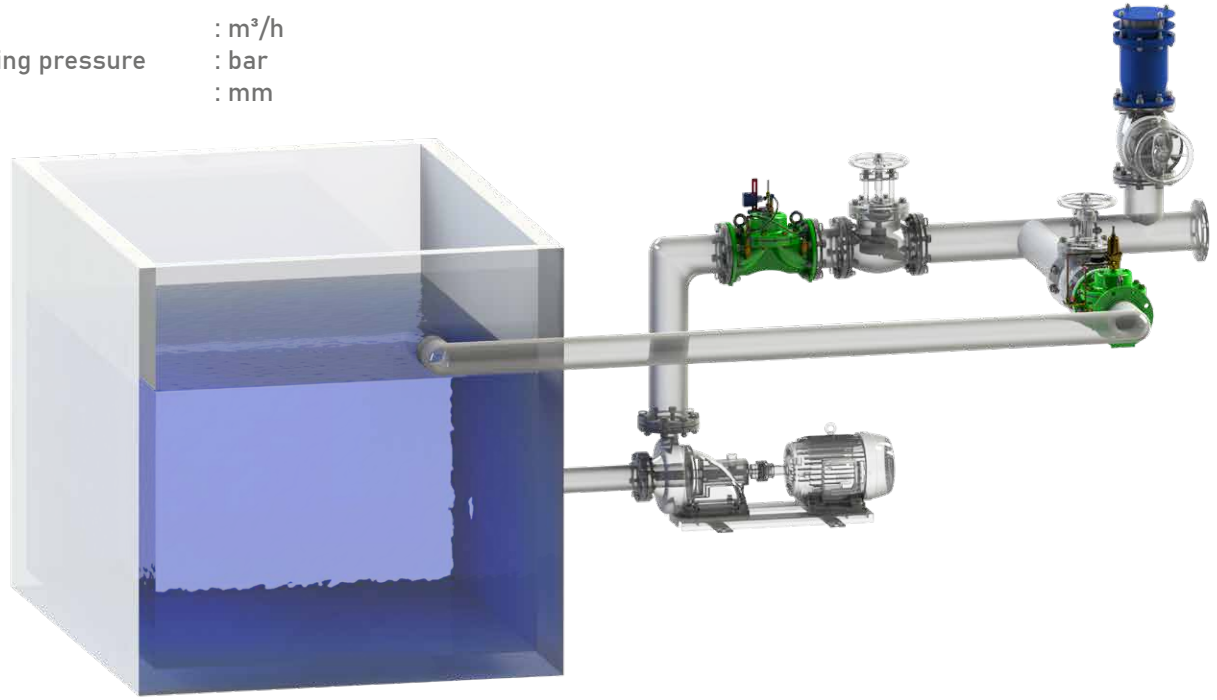
Pump Control Valves are hydraulically controlled valves designed to automatically activate and deactivate pumps used in water supply lines. When the “start” button on the pump panel is pressed, the valve is in the closed position. After the button is pressed, the valve slowly opens in accordance with the pump speed until the pump speed is reached, thus preventing sudden pressure fluctuations and surges in the system.

When the “stop” command is issued on the pump panel, the valve slowly closes in a controlled manner, and when fully closed, the built-in limit switch deactivates the pump. In cases such as power outages, the valve acts as a backflow preventer, preventing damage to the pump and eliminating the need for additional check valves in the system. With their durable body, precise control mechanism, and reliable performance, Pump Control Valves provide safe, efficient, and long-lasting pump management in water supply line applications.

Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type



Hydraulic Control Valves

Water Hammer Prevention Hydraulic Control Valve

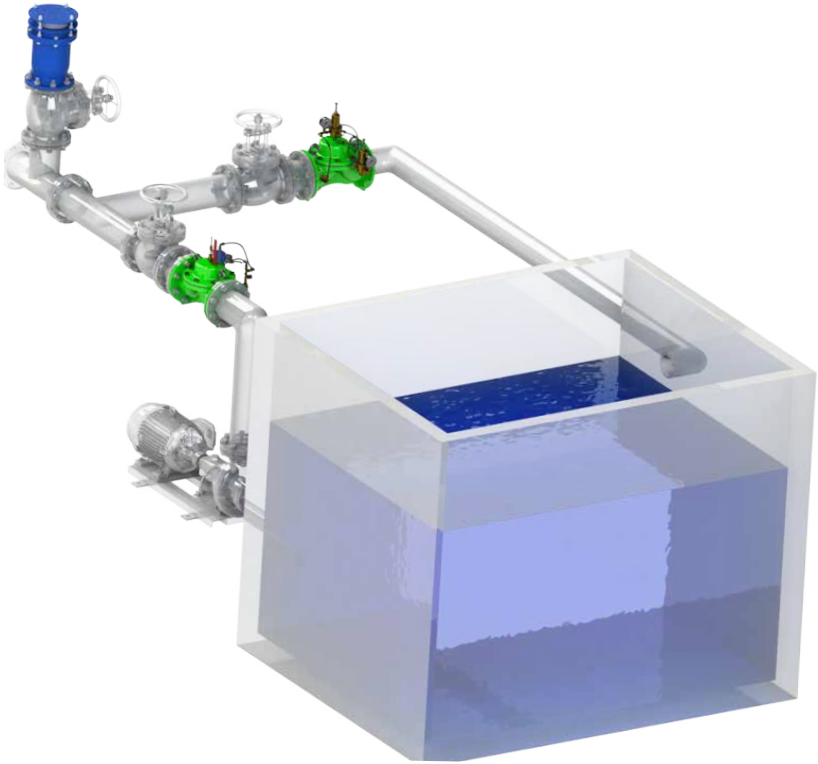
Water Hammer Prevention Hydraulic Control Valves are safety control valves designed to effectively dampen pressure surges caused by power outages in pumping systems and water hammer (water hammer) caused by sudden changes in water flow, particularly in long water mains riser lines. The valve, thanks to its pressure signal tube, detects pressure drops in advance and quickly opens to release excess energy to the atmosphere.

When line pressure reaches normal levels, the valve closes slowly, completely leak-tight, using hydraulic principles, preventing pressure surges or sudden surges in the system. With their durable body, precise control mechanism, and reliable performance, Water Hammer Prevention Control Valves provide a critical solution for pump lines, ensuring both equipment safety and stable system operation.

Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type

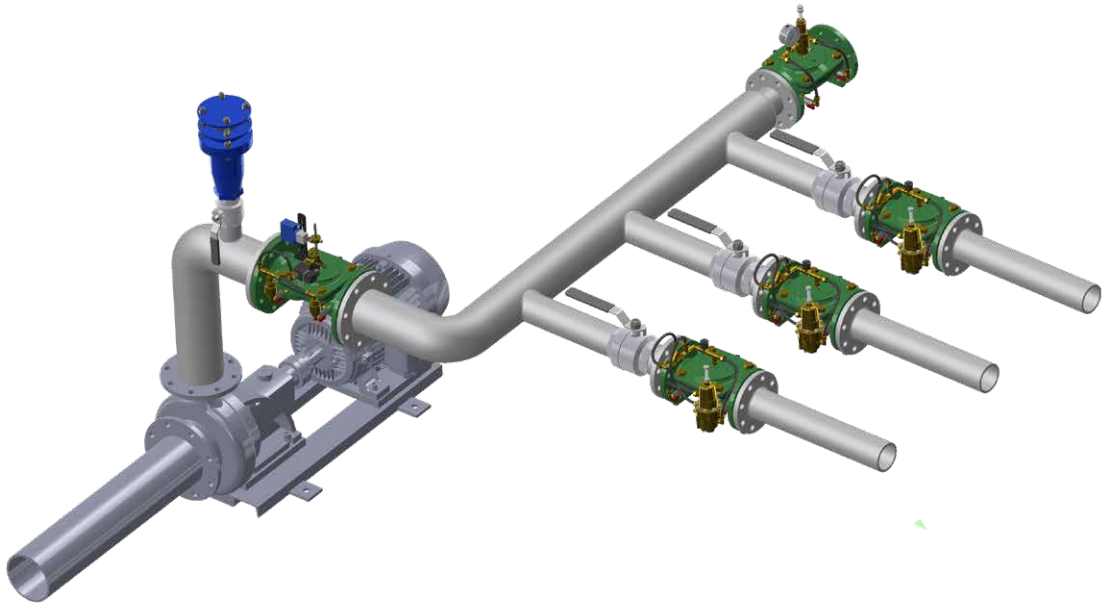


Hydraulic Control Valves

Flow Control Valve

Flow Control Hydraulic Valves are hydraulic control valves designed to precisely limit and maintain the desired flow rate (flow rate) in the system. The orifice located at the valve inlet interacts with the flow control pilot mounted in the control chamber by creating a pressure difference. The pilot senses this pressure difference and ensures the valve remains open at the desired flow rate. This ensures that flow is always controlled, regardless of changes in inlet pressure and flow rate.

Flow control valves also extend the life of system equipment by preventing pump overload and cavitation. By limiting excess flow during backwashing in filtration systems, they reduce water loss and increase energy efficiency. They also balance consumer demand, preventing excessive water loss in the system, thus contributing to both the efficient use of water resources and network security. With their durable housing and precise control mechanism, Flow Control Valves provide reliable and efficient flow management in industrial and municipal water distribution systems.



Y-Type Hydraulic Control Valve

TYPHOON Y-Type Automatic Hydraulic Control Valves are designed with a „Y“ body design, ensuring minimal pressure loss, cavitation, and noise, even under challenging operating conditions with high pressure differentials, thanks to their high modulation capacity. This special body structure allows the valve to direct flow most efficiently, optimizing system performance and ensuring long-lasting operation.

The valve is equipped with a dual-chamber diaphragm-actuated disc and operates as standard with two control chambers. It can be used as a single-chamber system without adding an additional control chamber when needed. A V-Port disc option is also available for excellent control in low-flow applications. Thanks to the valve shaft rigidly mounted on the valve body, the valve operates with control and smooth operation, opening and closing completely leak-tight without creating any pulsation.

TYPHOON Y-Type Automatic Hydraulic Control Valves can be customized to perform different functions by adding various control components to the Basic valve body. These valves are designed to provide reliable and precise flow control in a variety of applications, including drinking water pumping lines, agricultural irrigation, fire systems, filtration, and industrial applications. With their durable construction and flexible application options, TYPHOON Y-Type valves ensure efficient and long-lasting system operation.

Features

- Its simple structure makes it easy to use and maintain.
- Low cost.
- Operates over a wide pressure range.
- Flawless modulation even at low flow rates.
- Flexible diaphragm for smooth on-off operation.
- Reinforced diaphragm and internal spring for complete sealing.
- Epoxy-Polyester coating for long life.
- A wide range of control applications are available with the use of various pilot valves.
- Ability to operate in horizontal and vertical positions in application areas.

Fire Systems Hydraulic Control Valves

Hydraulic control valves are critical components that automatically control water pressure, flow, and direction in fire suppression systems, ensuring fast, safe, and efficient operation. They manage water flow by operating on system pressure differentials without requiring electrical or mechanical intervention. Thanks to these features, hydraulic control valves enable rapid response to fire lines and increase system stability and durability.

The primary function of hydraulic valves in fire systems is to regulate water flow at desired pressure and flow conditions and protect the system against sudden pressure fluctuations. With functions such as pressure reduction, pressure maintenance, flow control, and preventing sudden openings or closings, valves safeguard pipelines, pumps, sprinklers, and other equipment. Especially in emergency situations, proper system operation at the correct pressure and flow is crucial; hydraulic control valves play this critical role.

Hydraulic control valves, specifically designed for fire systems, provide high performance and safety with their pressure-reducing, pressure-relief, flow control, and smooth opening and closing functions. They prevent water hammering and minimize vibration and noise in the lines. Its automatic operation feature increases energy efficiency and operational safety. TAYFUR SU SYSTEMS manufactures hydraulic valves that are suitable for fire lines, durable, and provide precise control, enabling reliable and rapid response in emergency situations.

Varieties

PR	Pressure Reducing Control Valve
QR	Quick Relief Control Valve
HD	Hydraulic Check Valve
FL	Float Level Control Valve
FLEL	Electric Float Level Control Valve
DIFL	Differential Float Level Control Valve

Plastic Hydraulic Control Valves

TYPHOON Plastic Hydraulic Control Valves are designed as automatic control valves operated using diaphragm line pressure, providing reliable and precise flow control in agricultural irrigation, drinking water lines, filtration, and industrial applications. These valves adapt to system pressure and flow changes without requiring manual intervention, contributing to continuous and efficient operation.

The valve's body and diaphragm design ensures smooth flow with minimal pressure loss and increases energy efficiency. Because there are no bearings, bushings, or shafts in the body, the valve has a long lifespan and minimal maintenance requirements. The diaphragm, the sole moving part of the valve, provides precise and reliable control in the system and maintains its performance even during long-term use.

Thanks to their durable construction and automatic operation, TYPHOON Plastic Hydraulic Control Valves are preferred in a wide range of applications, from agricultural irrigation lines to drinking water distribution systems, from filtration units to industrial process lines. Flexible installation options and reliable performance offer long-lasting and efficient solutions suitable for a variety of operating conditions.

Plastic hydraulic control valves are available in flanged, threaded, angled, and Y-type varieties.

Solenoid Controlled Pressure Reducing Control Valve

TYPHOON Plastic Solenoid-Controlled Pressure Reducing Valves are automatic plastic hydraulic control valves that reduce system inlet pressure to the desired level and maintain it constant. The main valve is controlled by the solenoid coils mounted on it, providing a rapid and precise response to system pressure changes. The durable plastic body and diaphragm design ensures smooth flow with minimal pressure loss, ensuring long-lasting, maintenance-free operation.

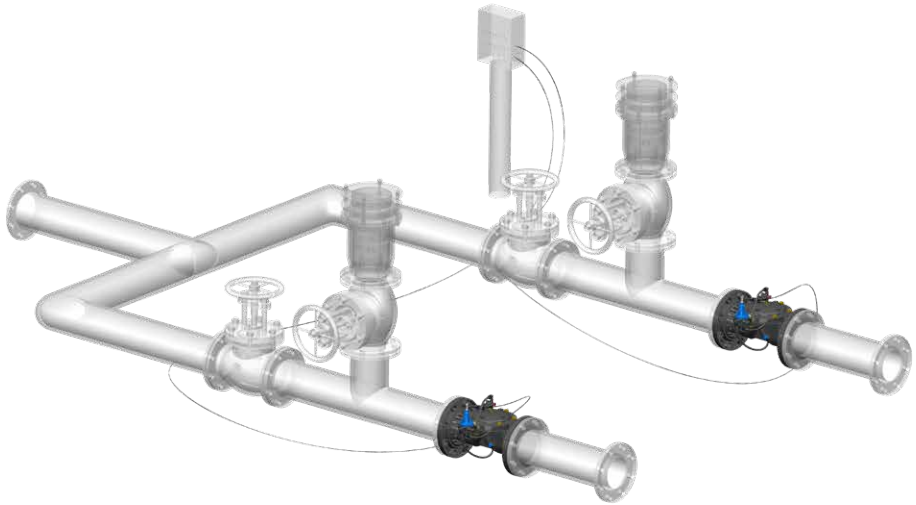
The solenoid coils are controlled by electrical signals transmitted to the valve via a controller, timer, switch, or PLC unit. This allows for easy and reliable control of automated systems. TYPHOON Plastic Solenoid-Controlled Pressure Reducing Valves provide high performance, prioritizing energy efficiency and system safety in a variety of applications, from agricultural irrigation lines to drinking water and filtration systems.

Pressure Range	: PN 10
Diameters	: 3/4" - 1" - 1 ½" - 2" - 2 ½" - 3"R - 3" - 4" DN80 - DN100 - DN150 Flanged

Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type
- Maximum valve inlet pressure : bar
- Minimum valve inlet pressure : bar
- Desired outlet pressure : bar
- Voltage to be used : volts



Pressure Reducing Control Valve

TYPHOON Plastic Pressure Reducing Control Valves are automatic plastic hydraulic control valves that reduce the system inlet pressure to the desired outlet pressure using a built-in pressure-reducing pilot. The valve continuously monitors the set outlet pressure, regardless of fluctuations in inlet pressure and flow rate, ensuring stable system operation. The valve automatically closes when there is no flow; it automatically opens when the inlet pressure drops below the outlet pressure.

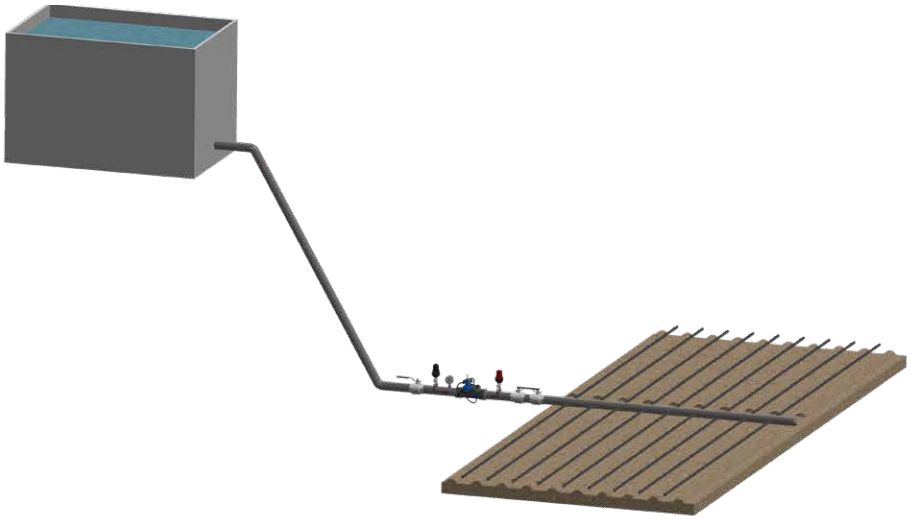
The plastic body and diaphragm design ensures smooth flow with minimal pressure loss and ensures long-lasting, durable operation. TYPHOON Plastic Pressure Reducing Control Valves can be installed in horizontal or vertical positions and provide reliable and energy-efficient pressure control in a variety of applications, including agricultural irrigation, drinking water lines, filtration, and industrial applications.

Pressure Range	: PN 10
Diameters	: 3/4" - 1" - 1 ½" - 2" - 2 ½" - 3"R - 3" - 4" DN80 - DN100 - DN150 Flanged

Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type
- Maximum valve inlet pressure : bar
- Minimum valve inlet pressure : bar
- Desired outlet pressure : bar



Pressure Reducing and Pressure Sustaining Control Valve

TYPHOON Plastic Pressure Reducing and Pressure-Sustaining Control Valves are automatic plastic hydraulic valves that control outlet pressure at the desired value by maintaining a constant inlet pressure. Two pilots located on the valve ensure precise pressure management in the system: the upstream pressure-balancing pilot stabilizes the inlet pressure, while the other pilot reduces the outlet pressure to the desired level, ensuring constant pressure.

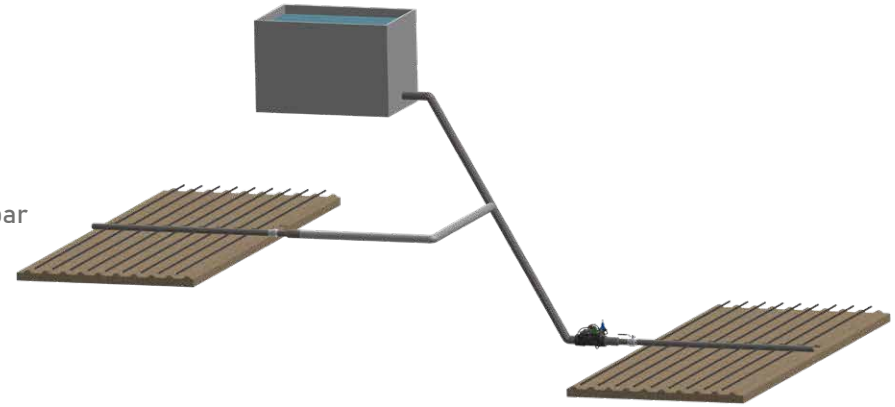
These valves maintain normal system operating conditions by reducing excessive downstream flow and reducing excessive pressure. Thanks to their plastic body and diaphragm design, they operate with minimal pressure loss and continuously control inlet and outlet pressures without being affected by flow fluctuations. TYPHOON Plastic Pressure Reducing and Pressure-Sustaining Valves provide reliable and energy-efficient pressure management in agricultural irrigation, drinking water lines, filtration, and industrial applications.

Pressure Range	: PN 10
Diameters	: 3/4" - 1" - 1 ½" - 2" - 2 ½" - 3"R - 3" - 4" DN80 - DN100 - DN150 Flanged

Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type
- Maximum valve inlet pressure : bar
- Minimum valve inlet pressure : bar
- Desired outlet pressure : bar
- Desired valve inlet pressure : bar



Quick Relief Control Valve

TYPHOON Plastic Quick Pressure Relief Control Valves are automatic plastic hydraulic safety valves designed to protect the system by quickly and safely relieving pressure surges (water hammers) caused by sudden flow changes in the water line. When the mains pressure rises above the set point, the valve automatically opens quickly, relieving excess pressure and ensuring the safety of system equipment.

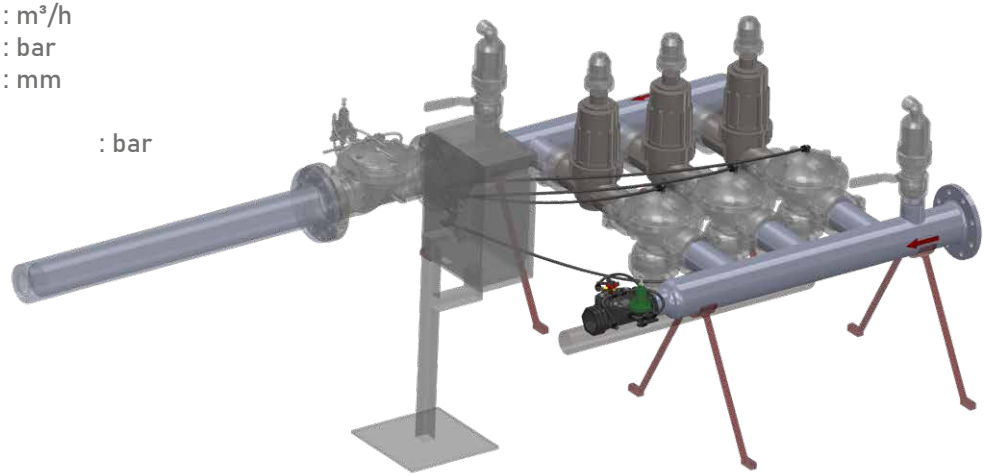
Thanks to its plastic body and diaphragm design, the valve closes slowly, without impact, and completely sealing when the line pressure returns to normal. This feature minimizes vibration and noise in the system, ensuring long-lasting and durable operation. TYPHOON Plastic Quick Pressure Relief Control Valves provide reliable pressure management and safety in agricultural irrigation, drinking water lines, filtration, and industrial systems.

Pressure Range	: PN 10
Diameters	: 3/4" - 1" - 1 ½" - 2" - 2 ½" - 3"R - 3" - 4" DN80 - DN100 - DN150 Flanged

Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type
- Required valve inlet pressure : bar



Solenoid Control Valve

TYPHOON Plastic Solenoid Controlled Valves are hydraulic control valves operated by line pressure and remotely controlled by electrical signals. The valve operates via internal 3/2-way solenoid pilots. Solenoid pilot valves are controlled by electrical signals transmitted via controllers, time relays, main switches, or PLC control units, providing precise and reliable control in the system.

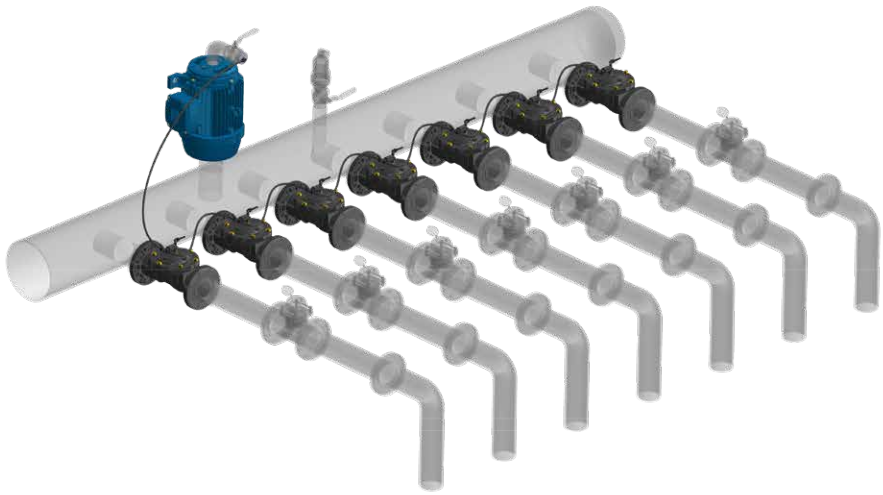
The plastic body and diaphragm design ensures smooth flow with minimal pressure loss and ensures long-lasting operation. The manual control mechanism on the valve allows for easy on-off operation when needed. Optionally, 24V AC 50Hz/60Hz, 12V DC, 9V DC LATCH, and 12V DC LATCH solenoid coils can be used on the main valve as normally open (N.O.) or normally closed (N.C.). TYPHOON Plastic Solenoid Controlled Valves provide reliable and automatic control in agricultural irrigation, drinking water, filtration, and industrial applications.

Pressure Range	: PN 10
Diameters	: 3/4" - 1" - 1 ½" - 2" - 2 ½" - 3"R - 3" - 4" DN80 - DN100 - DN150 Flanged

Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type
- Maximum valve inlet pressure : bar
- Minimum valve inlet pressure : bar
- Desired outlet pressure : bar
- Voltage to be used : volts

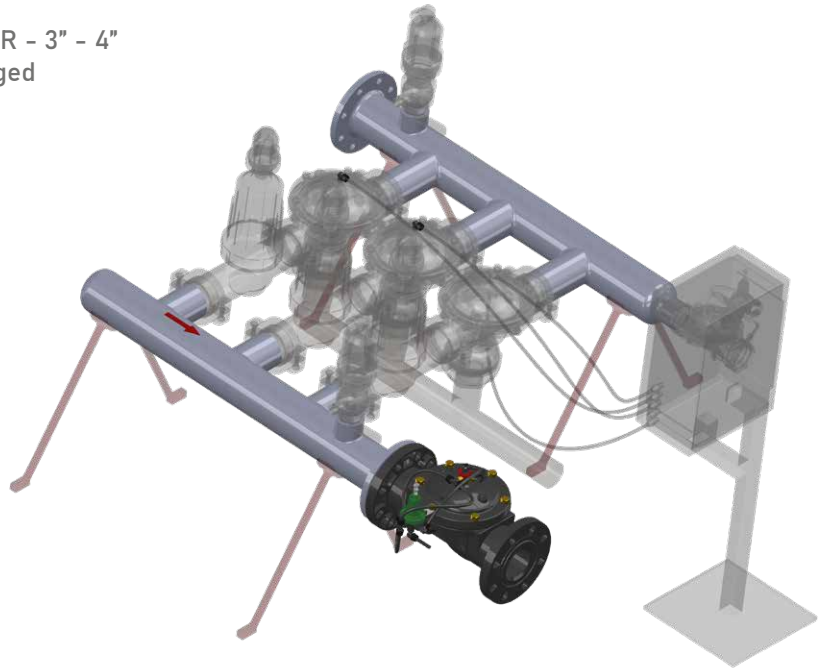


Pressure Sustaining Control Valve

TYPHOON Plastic Pressure Sustaining Control Valves are automatic plastic hydraulic control valves designed to protect the system by quickly and safely relieving sudden pressure increases that may occur in water systems. The pilot mechanism on the valve regulates the inlet pressure to the desired level. When the system pressure exceeds the set value, the valve quickly opens, relieving excess pressure and ensuring system safety.

The plastic body and diaphragm design prevents pressure fluctuations by providing controlled and slow closing following sudden opening, using hydraulic principles. This feature allows the valve to also function as a safety and warning valve in the outlet lines of pressure-reducing control valves at critical points in the water system. TYPHOON Plastic Pressure Sustaining Valves offer an effective solution for a variety of water distribution and industrial applications, offering minimal pressure loss, long life, and reliable performance.

Pressure Range : PN 10
Diameters : 3/4" - 1" - 1 ½" - 2" - 2 ½" - 3"R - 3" - 4"
DN80 - DN100 - DN150 Flanged



Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type
- Maximum valve inlet pressure : bar
- Required valve inlet pressure : bar

Float Level Control Valve

TYPHOON Plastic Float Level Control Valves are plastic hydraulic control valves designed to continuously and automatically monitor the water level in reservoirs and tanks. The main valve is controlled manually or automatically via a 2-way modulating float pilot valve. Installed on the inlet line of the reservoir or tank, the valve closes completely and leak-tight when the water level reaches its maximum value.

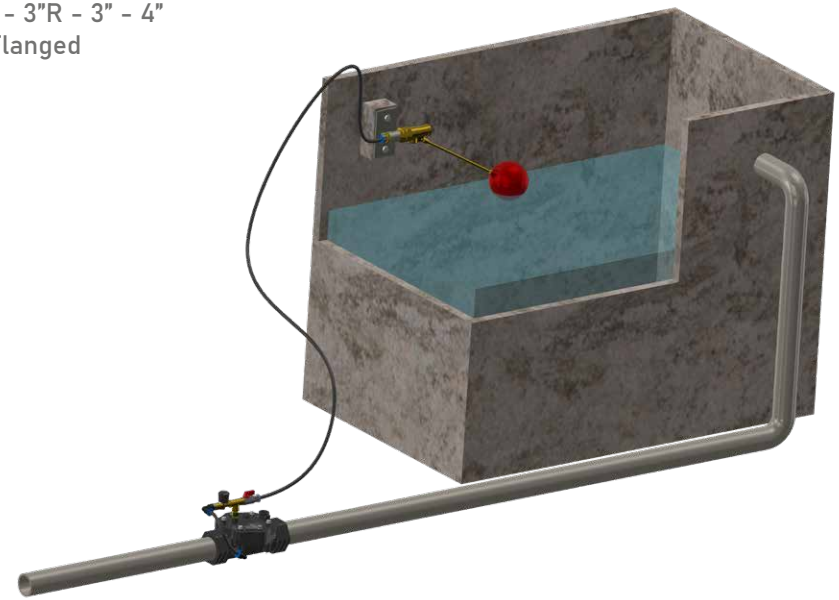
The valve's opening and closing speed is adjustable and can be installed in both horizontal and vertical positions. Its plastic body and diaphragm design ensure minimal pressure loss and ensure long-lasting operation. TYPHOON Plastic Float Level Control Valves provide reliable and precise level control in agricultural irrigation, drinking water tanks, filtration, and industrial applications.

Pressure Range	: PN 10
Diameters	: 3/4" - 1" - 1 ½" - 2" - 2 ½" - 3"R - 3" - 4" DN80 - DN100 - DN150 Flanged

<u>Order Information</u>

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type



Manual Hydraulic Control Valve

TYPHOON Plastic Manual Hydraulic Control Valves are automatic plastic hydraulic valves that operate using line pressure and provide on-off operation with a 3-way mini valve mechanism. The valve activates quickly and reliably in the system with a minimum opening pressure of 0.7 bar.

Thanks to its flexible diaphragm design, control is easy and fast in high-pressure applications. The valve does not create impact or pressure surges during closing, ensuring smooth and safe flow management in the system. TYPHOON Plastic Manual Hydraulic Control Valves offer long-lasting and durable solutions for agricultural irrigation, drinking water lines, filtration, and industrial applications.

Pressure Range	: PN 10
Diameters	: 3/4" - 1" - 1 ½" - 2" - 2 ½" - 3"R - 3" - 4" DN80 - DN100 - DN150 Flanged

Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type

Y Type Plastic Hydraulic Control Valve

TYPHOON Plastic Y-Type Automatic Hydraulic Control Valves are manufactured from plastic in a „Y“ body design, ensuring minimal pressure loss, cavitation, and noise, even under challenging operating conditions with high pressure differentials thanks to their high modulation capacity. This special body structure allows the valve to direct flow most efficiently, optimizing system performance and ensuring long-lasting operation.

The valve is equipped with a dual-chamber diaphragm actuator and operates as standard with two control chambers. It can be used as a single-chamber system without adding an additional control chamber when needed. A V-Port disc option is also available for precise control in low-flow applications. Thanks to the valve shaft rigidly mounted on the valve body, the valve operates smoothly and with control, opening and closing completely leak-tight without causing any pulsation.

TYPHOON Plastic Y-Type Automatic Hydraulic Control Valves can be customized to perform different functions by adding various control components to the Basic plastic valve body. These valves provide reliable and precise flow control in a variety of applications, including agricultural irrigation, drinking water pumping lines, fire systems, filtration, and industrial applications. With their durable plastic bodies and flexible application options, TYPHOON Y-Type valves ensure efficient and long-lasting system operation.

Order Information

Please provide the following information in case of order

- Maksimum Flow miktarı : m^3/h
- Maksimum şebeke / işletme basıncı : bar
- Ana boru hat çapı : mm
- Vana bağlantı tipi

Features

- Its simple structure makes it easy to use and maintain.
- Low cost.
- Operates over a wide pressure range.
- Flawless modulation even at low flow rates.
- Flexible diaphragm for smooth on-off operation.
- Reinforced diaphragm and internal spring for complete sealing.
- Epoxy-Polyester coating for long life.
- A wide range of control applications are available with the use of various pilot valves.
- Ability to operate in horizontal and vertical positions in application areas.

Foot Vlave

The foot valve is a reliable control element designed to prevent backflow and maintain line pressure in pump systems. It prevents backflow when the pump is shut off, increasing system efficiency and preventing equipment damage. Its precision valve mechanism provides rapid response and ensures a quiet, impact-free, and completely leak-proof closing.

The filter function located at the valve inlet prevents foreign or harmful particles from entering the system. This extends the life of the pump and valve components and reduces system maintenance requirements.

With its durable body and flow-compatible internal design, the foot valve demonstrates high performance in both clean water and agricultural irrigation systems. Its long-lasting, safe, and low-maintenance design makes it an ideal solution for all types of pump suction lines.

Order Information

Please provide the following information in case of order

- Maximum flow rate : m^3/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm

Air Release Valves (Air Cups)

Plastic / Brass

Air Release Valves (Air Relief Valves) are equipment designed to control the air-water balance in pressurized water systems, playing a critical role in system safety and efficiency. Air accumulation or vacuum effects that may occur in pipelines can negatively affect water flow, causing pressure fluctuations, flow losses, and even line deformations. Air Release Valves eliminate these risks, ensuring stable, quiet, and efficient system operation.

During pipeline filling, air release valves quickly release air from the pipeline, ensuring uninterrupted and smooth water flow. During operation, they release small air bubbles that accumulate within the pipeline under controlled pressure, maintaining a uniform water flow. They admit air into the system to prevent vacuum effects that may occur during pipeline emptying and balance the internal pressure with atmospheric pressure, preventing potential hazards such as cavitation, pipe collapse, and equipment damage.

Thanks to their durable body structure, high-performance internal mechanism, and easy maintenance, air Release Valves: They can be safely used in many different applications, including agricultural irrigation, drinking water networks, industrial facilities, and pumping stations.

Vacuum cups are manufactured in three different types depending on their intended use:

Single-Acting (Kinetic) Plastic Air Suction Cups – Available in ½", ¾", 1", and 2" sizes; used for high-volume air removal during line filling and emptying.

Double-Acting (Automatic) Plastic Air Suction Cups – Available in ½", ¾", and 1" sizes; provide continuous removal of small air masses under pressure during operation.

Triple-Acting (Combination) Plastic Air Suction Cups – Available in 2" sizes; combine both large-volume air removal and the removal of small air accumulations that occur during operation in a single body

Providing high performance, long life and complete sealing, Suction Cups are an integral part of engineering solutions that aim for maximum efficiency and safety in water systems.

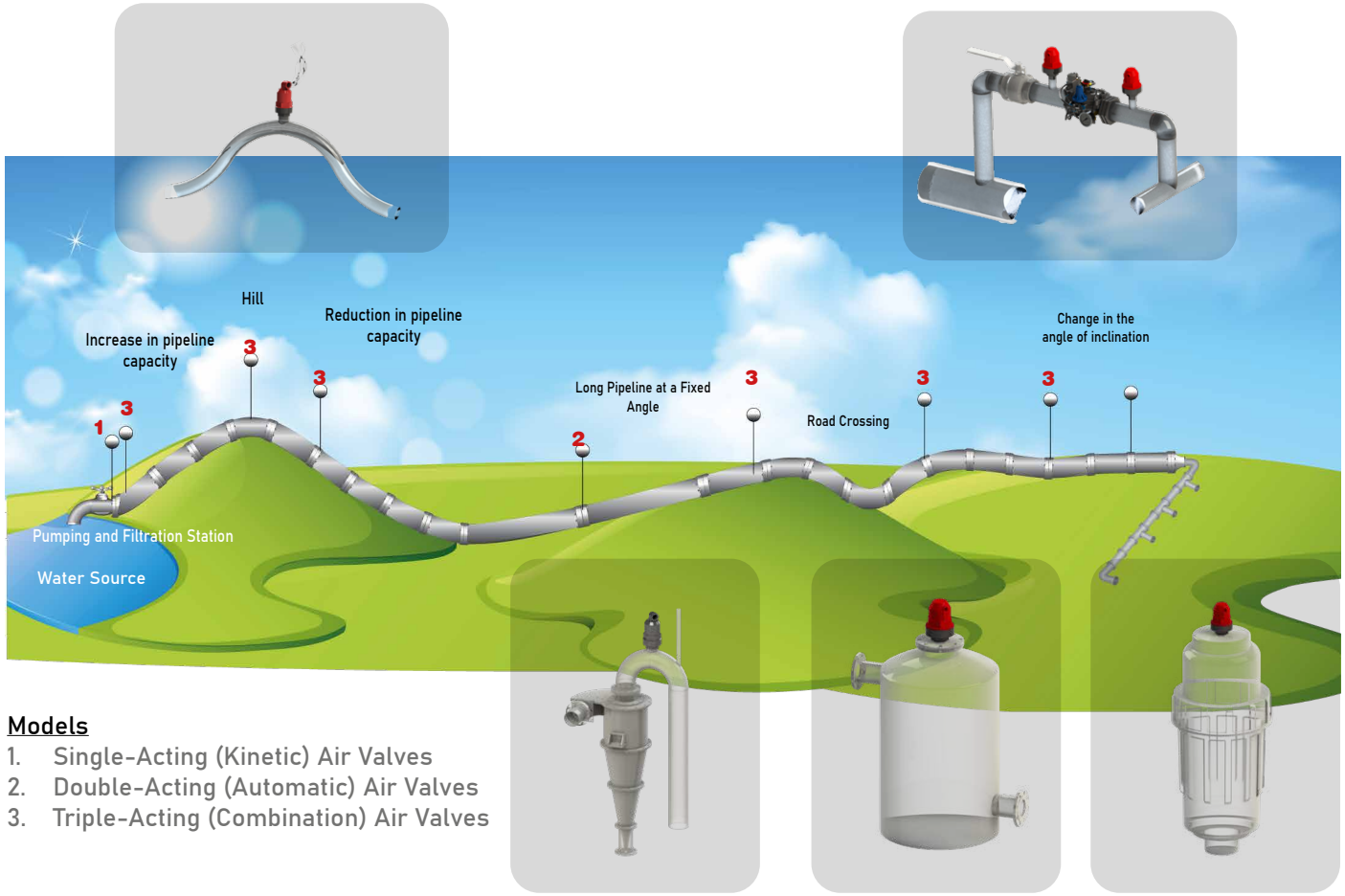
Air Release Valves (Air Cups)

Places of Use for Air Release Valves

Air release valves are widely used in agricultural irrigation, filtration systems and industrial installations for air evacuation and vacuum prevention in water systems.

- In agricultural irrigation systems: It should be used at pump outlets, every 400–500 meters on the main line, at the beginning of slopes, at the peaks of upward slopes, at the ends of lines, and before irrigation valves.
- In filtration systems: It ensures safe system operation in equipment such as disc filters, hydrocyclones, gravel tanks, and automatic horizontal filters.
- In industrial and treatment facilities: It is used for air removal and pressure balancing in in-plant water lines, treatment systems, and similar applications.

These usage points ensure that the line operates continuously, efficiently, stably and safely.



Models

1. Single-Acting (Kinetic) Air Valves
2. Double-Acting (Automatic) Air Valves
3. Triple-Acting (Combination) Air Valves

Hydrocyclone | Gravel Tank | Disc Filter System

Non Slam Dynamic Air Release Valves

Cast Non Slam Dynamic Air Release Valves

The Non Slam Dynamic Air Release Valve is an advanced air release valve designed to efficiently remove air and prevent vacuum in water systems. It responds quickly to sudden pressure changes in the system and, thanks to its special design, prevents water hammer formation. This protects both the pipeline and system equipment from sudden pressure loads, ensuring long-lasting, safe, and stable operation.

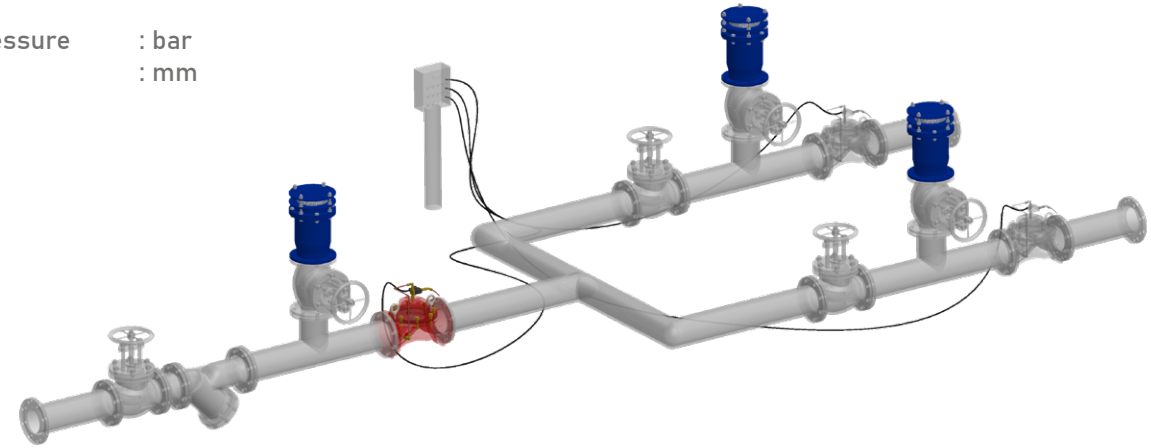
The air release valve's dynamic operating principle allows it to rapidly release air during line filling and to control the release of small air masses accumulated at operating pressure. During discharge, it prevents the formation of a vacuum within the line, eliminating the risk of pipeline collapse or deformation. This ensures that system pressure is always balanced with atmospheric pressure, preventing undesirable conditions such as cavitation.

Non Slam Dynamic Air Release Valves have a wide range of applications, from agricultural irrigation lines to drinking water networks, from filtration systems to industrial facilities. Their compact and durable design, combined with high flow capacity, ensures low maintenance. It is an indispensable element of safety and continuity in modern water systems with its silent, leak-proof and impact-free operating characteristics.

Order Information

Please provide the following information in case of order

- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type



Cast Air Release Valves

1” Single Chamber and Single Function Air Valve

The 1” Single-Chamber, Single-Function Air Release Valve is a precision air release valve designed to efficiently perform a single task in water systems. Particularly suitable for use in pump stations, this valve safely and controlledly expels pressurized air pockets that form in the system, ensuring continuous flow.

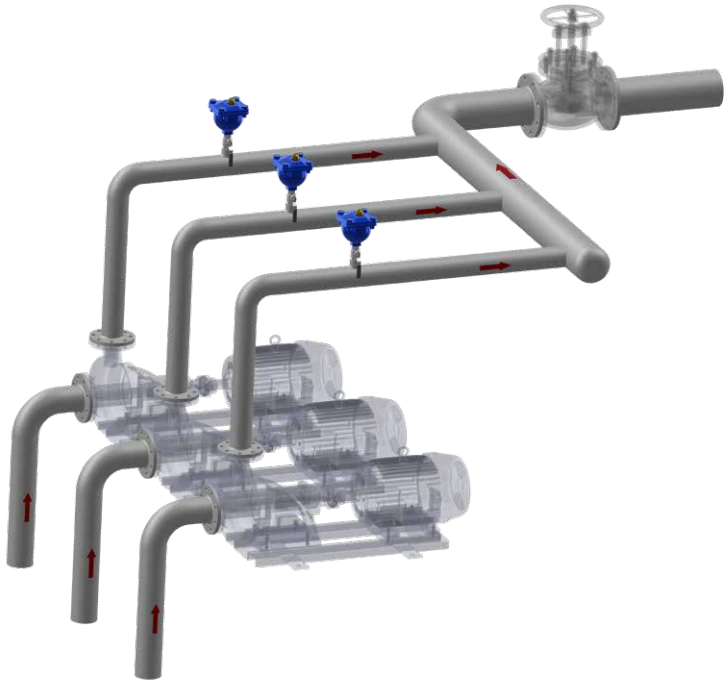
Small air masses accumulating in the pump line reduce water flow rates, negatively impacting energy efficiency. The 1” Single-Orifice, Single-Function Air Release Valve automatically evacuates these air pockets during operation, thereby increasing pumping efficiency and reducing energy consumption.

Its compact design, leak-proof operation, and impact-free discharge function optimize system performance. These long-lasting, low-maintenance air release valves offer an economical and reliable air management solution for agricultural irrigation, drinking water, and industrial applications.

Order Information

Please provide the following information in case of order

- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type



Cast Air Release Valves

Double Chamber Air Release Valve

Double-Orifice Cast Iron Air Release Valves are high-performance air release valves designed to safely perform both air evacuation and suction operations in water pipelines. Their durable cast iron body ensures long-lasting use and excellent sealing in high-pressure systems.

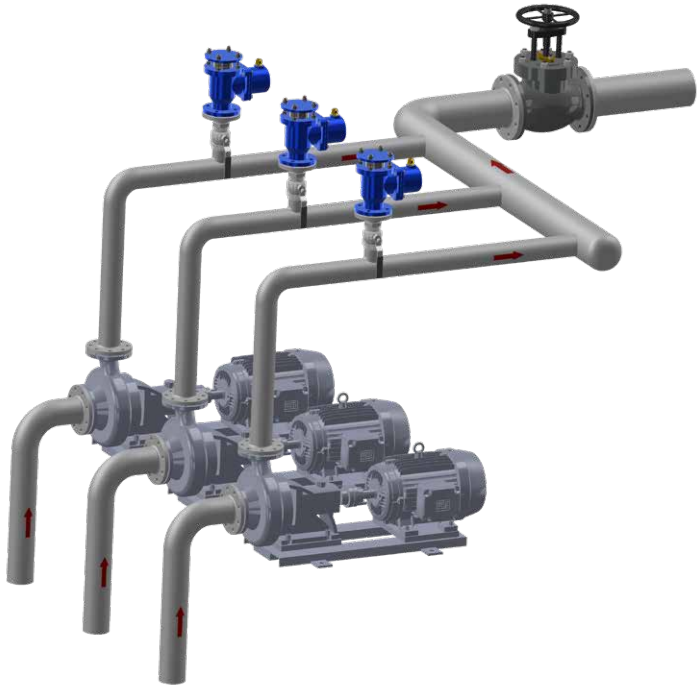
These air release valves quickly release air during the initial pipeline filling, automatically expel small air bubbles that accumulate during operation, and prevent system damage by preventing vacuum buildup during line evacuation. This reduces the risk of cavitation and maintains hydraulic stability in the system.

The double-orifice design provides uninterrupted performance during discharge and suction operations, while its impact-free operation minimizes vibration and noise. Safely used in agricultural irrigation systems, drinking water networks, industrial facilities, and water treatment applications, Double-Orifice Cast Iron Air Release Valves offer a professional solution that ensures long life, high efficiency, and system reliability.

Order Information

Please provide the following information in case of order

- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type



Cast Air Release Valves

Single Chamber Kinetic Air Release Valve

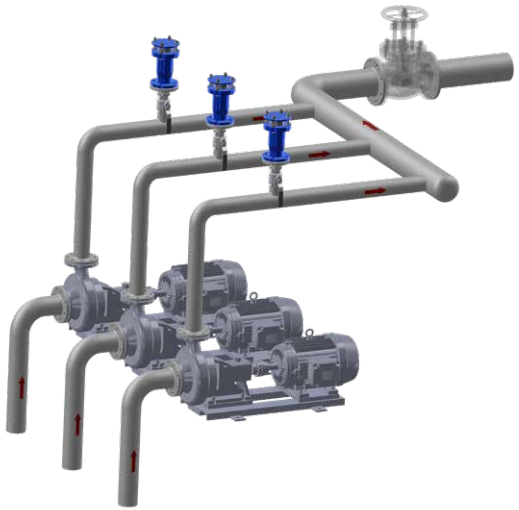
The TYPHOON Single-Orifice Kinetic Air Release Valve is a high-performance air release valve designed to safely and efficiently perform air extraction and suction functions in pipelines. It prevents pressure imbalances that may occur during initial filling or evacuation of systems, ensuring line protection and continuous flow.

This valve serves two primary functions:

- During system startup, it rapidly evacuates large volumes of air accumulated in the pipeline.
- When the system is shut down or being evacuated, it allows air to enter at the same rate to prevent a vacuum from forming in the pipeline.

Its operating principle is quite simple yet highly reliable: When the system starts operating, air is expelled from the suction cup as water moves through the line. When the water reaches the suction cup body, the float rises, sealing the suction cup mouth. When the system is stopped or the pump is shut off, the float drops and the suction cup automatically opens, allowing air in. This completely eliminates the risk of pipeline vacuum, cavitation, and mechanical damage.

TYPHOON Single-Orifice Kinetic Air Suction Cups can be safely used in agricultural irrigation, drinking water networks, industrial installations, and filtration systems. Their robust construction, shock-free operation, and long-lasting performance make them a professional solution that increases system efficiency and operational safety.



Sewage Air Release Valve

The TYPHOON Wastewater Valve is a durable and long-lasting air release valve specifically designed to safely perform air extraction and suction functions in wastewater and sewer lines. Unlike standard valves, it operates without clogging in contaminated water and solid-containing environments, increasing system reliability with its ease of maintenance.

During initial system commissioning, the high volume of air accumulated in the pipeline is quickly expelled thanks to the valve's rapid release mechanism. When water reaches the sphere inside the valve, a double-acting float attached to the sphere lifts, automatically closing the outlet. This prevents the pressurized air inside the valve, preventing wastewater from reaching the valve, and ensuring the sealing elements maintain their full performance.

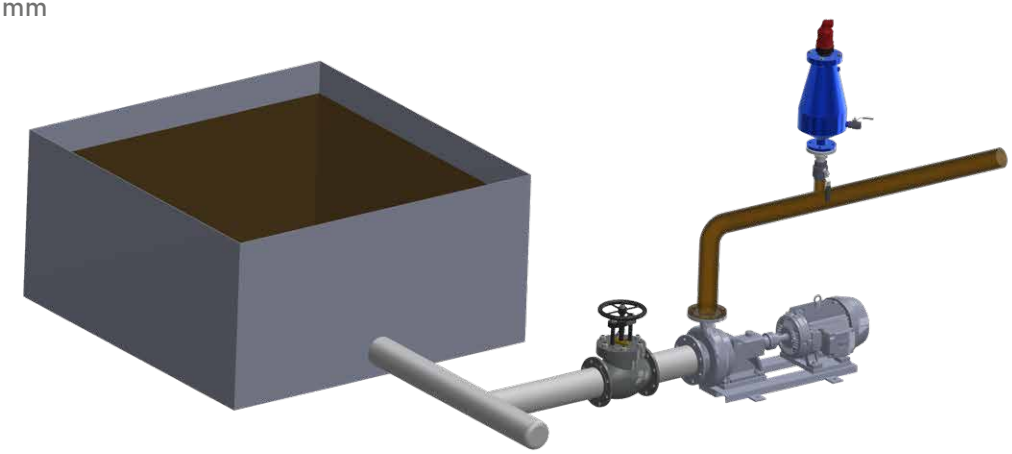
When the system is drained or water is withdrawn, a vacuum is created when the line pressure drops below atmospheric pressure. In this case, the float lowers, allowing air in from the outside. This prevents damage such as collapse or cavitation in the pipes. Small air pockets that accumulate at certain points in the line during operation are released by partially opening the float; the float then closes again, maintaining the line's seal.

The Waste Water Suction Cup's special design minimizes the risk of blockages, leaks, or malfunctions in wastewater systems. The stainless steel components used in its body provide superior corrosion resistance. Furthermore, the ball valve on its body allows for easy cleaning. With these features, the TYPHOON Waste Water Suction Cup provides reliable, impact-free, and uninterrupted operation in sewer networks, treatment plants, and demanding industrial applications.

Order Information

Please provide the following information in case of order

- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type



Plastic Sewage Air Release Valves

The Plastic Wastewater Suction Cup is a special hydraulic suction cup designed to safely and effectively perform air evacuation and air suction functions in sewer and wastewater systems. It quickly and controlledly releases air accumulated during pipeline filling, preventing vacuum buildup during line emptying or when the water level drops, protecting pipelines from damage such as collapse and cavitation.

This suction cup is designed for use in wastewater and wastewater lines. It provides reliable air management, particularly in sewer networks, treatment plants, industrial wastewater systems, and filtration lines. Its double-action float mechanism discharges pressurized air within the line and prevents the accumulation of small air bubbles, thus maintaining the system's hydraulic balance.

The Plastic Wastewater Suction Cup is optimized for corrosive and particle-containing environments. The durable and stainless construction of its body and moving parts ensures long life. The ball valve on the unit allows for easy cleaning and maintenance. Its shock-free and leak-proof operation ensures continuous, safe, efficient, and trouble-free system operation.

Models

- 1" automatic (double-action) wastewater suction cup
- 2" combination (triple-action) wastewater suction cup
- 2" kinetic (single-action) wastewater suction cup

Cast / Plastic Strainer

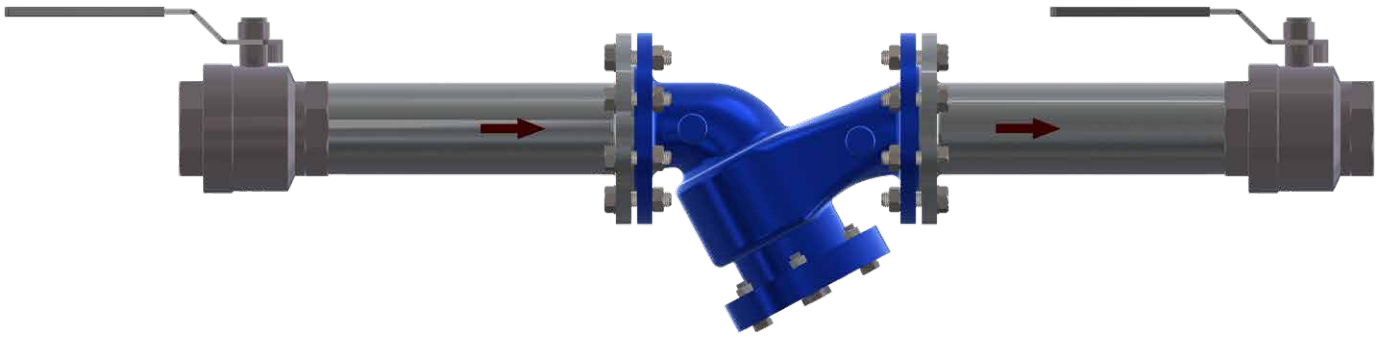
The Y-Type Strainer is a special filtration valve that protects the system by installing it before pumps, meters, control valves, and sensitive devices. Its primary function is to prevent damage to expensive equipment by trapping leaves, wood particles, pebbles, and other foreign particles in the water. These particles accumulate in the suction cup's filter chamber, contributing to the safe operation of the system.

When the pressure difference between the inlet and outlet manometers on the valve exceeds a certain level, the drain plug can be opened to easily remove accumulated harmful particles from the system. This maintains filter performance and prevents equipment malfunctions.

The Y-Type Strainer features a large holding capacity, operates with low pressure loss, and is easy to clean. Its durable construction and ergonomic design provide a reliable and long-lasting solution for agricultural irrigation systems, drinking water lines, industrial facilities, and filtration systems.

Nominal Size
DN50 - 65 - 80 - 100 - 150 - 200

Nominal Pressure
PN10 - 16 - 25



Back Flushing Control Valves

Backwash Control Valves are specialized hydraulic valves designed to provide highly efficient and reliable cleaning in filtration systems. These valves feature a 3-way control mechanism operated by line pressure or external pneumatic pressure and automatically manage filtration and backwash (backwash) modes in filtration systems. Thanks to the integrated diaphragm assembly, the valve provides control in both directions, directing water flow to the correct mode.

In filtration mode, the valve performs the cleaning function by forcing water through the filter elements. During the transition to backwash mode, the diaphragm assembly reverses direction, opening the discharge path and allowing water flow through the back of the filter. This mechanism prevents mixing of clean and dirty water and ensures maximum efficiency of the filter elements. This reduces the risk of filter clogging, extends maintenance intervals, and ensures continuous efficient system operation.

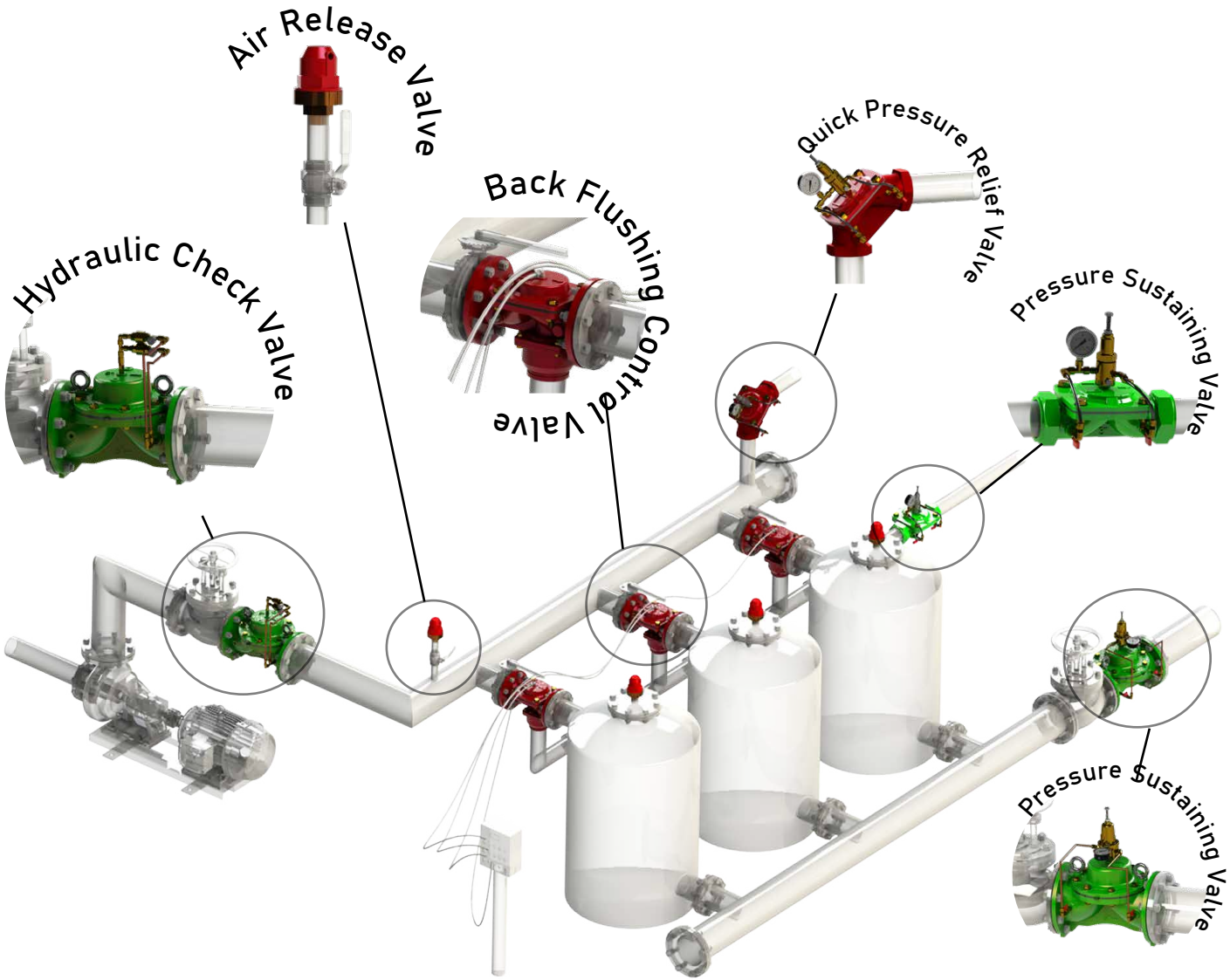
Backwash Control Valves are preferred in a wide range of applications, including industrial filtration systems, drinking water facilities, agricultural irrigation, and wastewater treatment systems. Thanks to their durable construction and precise diaphragm control, the valve provides long-lasting, pulse-free, and reliable performance. It provides high filtration efficiency with minimum intervention to system operators.

Order Information

Please provide the following information in case of order

- Maximum flow rate : m³/h
- Maximum network/operating pressure : bar
- Main pipeline diameter : mm
- Valve connection type

Back Flushing Control Valves



DC Type 2/10 internal DP (2-Wire)

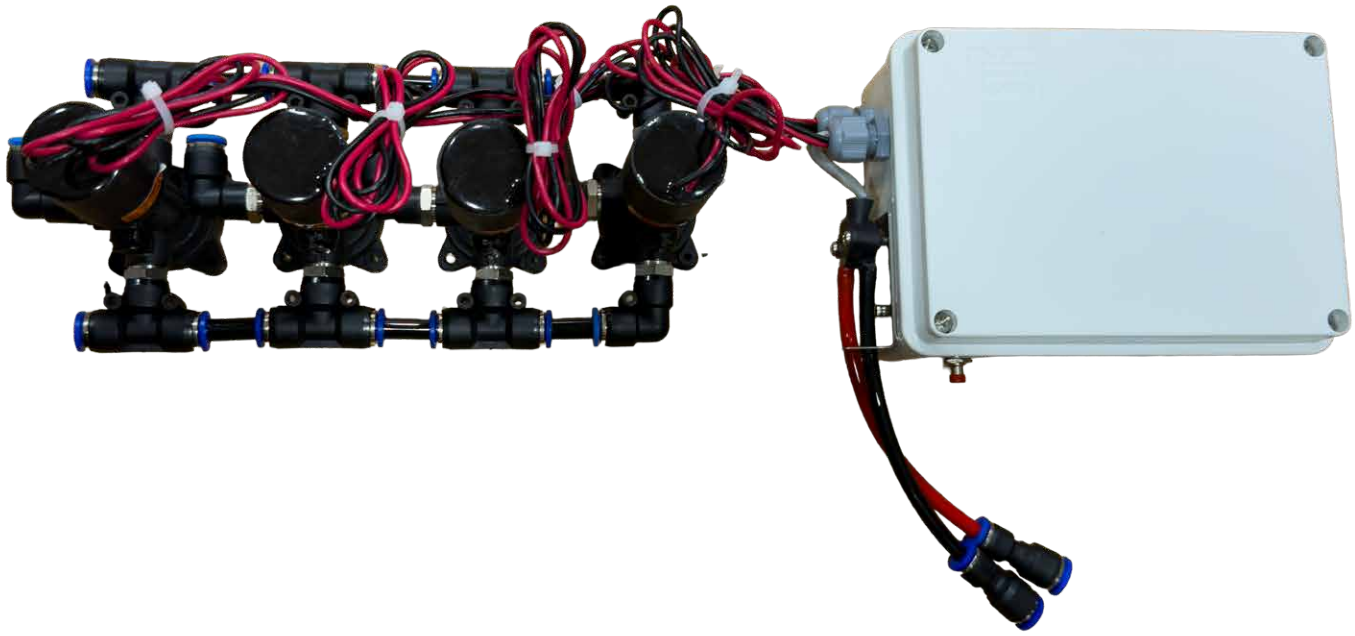
- Option to use up to 2-10 filter stations
- Easy programming/memory thanks to the digital display on the device
- 6 V DC power input
- Washing cycle from 1 minute to 120 hours
- Washing time from 5 seconds to 999 seconds
- Waiting time between stations from 5 seconds to 99 seconds
- Alarm feature in case of infinite cycle problems
- Manual operation, DP only, or timed operation with DP
- Operating temperature between 0-60 degrees
- 9V DC - 12V DC Solenoid coil output

DC Type 2/10 internal DP (2-Wire)

- Option to use up to 2-10 filter stations
- Easy programming/memory thanks to the digital display on the device
- 6 V DC power input
- Washing cycle from 1 minute to 120 hours
- Washing time from 5 seconds to 999 seconds
- Waiting time between stations from 5 seconds to 99 seconds
- Alarm feature in case of infinite cycle problems
- Manual operation, DP only, or timed operation with DP
- Operating temperature between 0-60 degrees
- Remote control feature via our mobile application thanks to Bluetooth connection

DC Type 2/10 internal DP (2-Wire)

- Up to 2-4 filter stations can be used.
- Programmable/Memorized
- 6 V DC power input
- Washing cycle from 1 minute to 120 hours
- Washing time from5 seconds to 360 seconds
- Wait time between stations from 5 seconds to 20 seconds
- Alarm feature in case of infinite cycle problems
- Manual button, timed operation with only DP or in combination with DP
- Operating temperature between 0-60 degrees



AC Type 1-2-3 Internal DP

- Ideal for use with 1, 2 and 3 station filters
- Ability to initiate backwashing with internal DP
- Ability to initiate backwashing based on DP or time
- Simple set point selection via DIP switches
- Manual operation capability
- 220V AC power input

DC Type 1-2-3 Internal DP

- Ideal for use with 1, 2 and 3 station filters
- Ability to initiate backwashing with internal DP
- Ability to initiate backwashing based on DP or time
- Simple set point selection via DIP switches
- Manual operation capability
- 6V DC and 12V DC power inputs

Differential Pressure Device (DP)

- Simple setting point selection with DIP switches
- Connection models for 220V AC and 6V DC power supply
- Ability to set a differential pressure range up to 2 bar
- Ability to trigger an alarm via LED indicators

AC Type 2/10 DP Excluded

- Can be used with up to 2-10 filter stations
- Easy programming thanks to rotatable switches on the device
- 220V AC power input
- Washing cycle from 10 minutes to 24 hours
- Washing time from 10 seconds to 180 seconds
- Station-to-station waiting time from 5 seconds to 40 seconds
- Ability to trigger an alarm in case of infinite loop issues
- Can be operated manually, only with DP, or with DP and time-controlled

DC Type 2/10 DP Excluded (2-Wire)

- Can be used with up to 2-10 filter stations
- Easy programming thanks to rotatable switches on the device
- 6 V DC power input
- Washing cycle from 10 minutes to 24 hours
- Washing time from 10 seconds to 180 seconds
- Station-to-station waiting time from 5 seconds to 40 seconds
- Ability to trigger an alarm in case of infinite loop issues
- Can be operated manually, only with DP, or with DP and time-controlled

Agricultural Woltman Type Water Meter

The agricultural Woltman-type water meter is a mechanical measuring device designed to accurately and reliably measure water consumption in agricultural irrigation systems. Its high flow capacity allows it to precisely monitor water flow even in wide irrigation lines and allows for bi-directional installation. Its durable construction and precise mechanism ensure long-lasting use.

The meter operates with a Woltman-type impeller system; water movement rotates the impeller, which is measured by the mechanical meter mechanism and records the flow rate. This system ensures reliable measurement even in high-flow and low-pressure irrigation lines. Furthermore, the meter is designed to maintain measurement accuracy and is resistant to sudden pressure changes.

The agricultural Woltman-type water meter is particularly suitable for use in large areas such as field irrigation lines, pump stations, and canal networks. Its easy installation, maintenance, and precise measurement capabilities optimize irrigation management, prevent water waste, and contribute to increased agricultural productivity. Its durable construction ensures long-term, reliable performance and makes it an essential component of irrigation systems.

<u>Casting</u>

- Environmentally friendly, long-lasting meter
- Industrial use
- Agricultural use
- Suitable for drinking water installations
- The body is protected with GGG40 ductile iron electrostatic paint with a strength of more than 200 microns.
- MID approved and certified
- First-class materials and manufacturing technology
- Protective, durable body for outdoor and climatic conditions
- Wide and dynamic measuring range
- Accurate water flow measurement with very low pressure losses
- 2-year warranty

<u>Plastic</u>

- Environmentally friendly, long-lasting meter
- Industrial use
- Agricultural use
- Suitable for drinking water installations
- Body made of composite reinforced fiberglass polyamide
- MID approved and certified
- First-class materials and production technology
- Protective, durable housing for outdoor and climatic conditions
- Wide and dynamic measuring range
- Accurate water flow measurement with very low pressure losses
- 2-year warranty

Accessories

Pressure Reducing Pilot

Pressure Sustaining Pilot

3-Way DC Solenoid Switch

Three-way solenoid 24V AC

Hydraulic Accelerator (Relay)

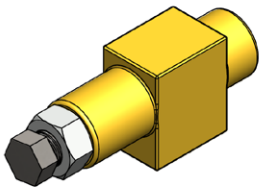
3-Way Mini Valve

1/4 Needle Valve Brass

1/4" Mini Check Valve Plastic

Finger filter (Brass plastic)

Brass Pin Valve



Plastic Needle Valve

Fittings

1/4” x 8mm Centre Leg TE

1/4” x 8mm Elbow

1/4” x 8mm nipple

1/4” nipple

8 x 8mm nipple

1/4” x 8mm Pressure Gauge Base

1/8” x 8mm Centre Leg TE

1/8” x 8mm Elbow

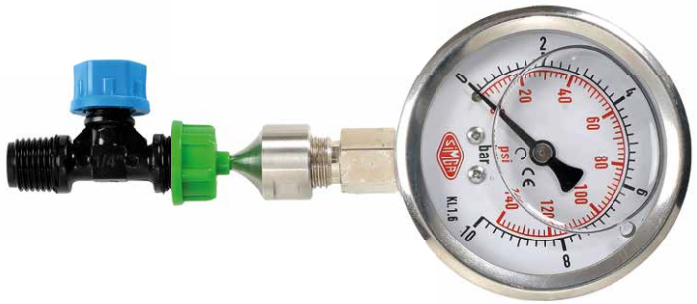
1/8” x 8mm nipple

1/8” nipple

1/8” x 1/4” nipple

1/4” Pressure Gauge Base

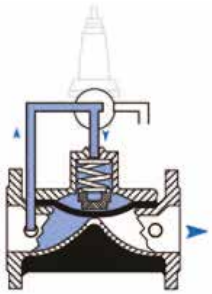
Manometer Needle



Working Principles

Hydraulic control valves are components that perform automatic opening, closing, or modulation (partial opening/closing) operations using the pressure of the fluid in the system. These valves operate using the existing line pressure in the system without requiring an external energy source. Hydraulic control valves, typically diaphragm or piston-type, are controlled by pilot valves, pressure regulators, or electromechanical control elements routed through control lines.

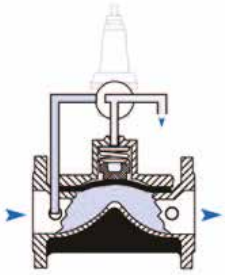
The pressure difference applied to the diaphragm or piston chamber within the valve's main body determines the valve's opening position. This allows the flow to be maintained at fully open, fully closed, or partially open, depending on system needs.



Valve Closing Mode (Close Mode)

In valve closing mode, line pressure is applied to the upper chamber of the diaphragm or piston. When pressurized water is directed into the upper chamber, this pressure force, combined with the valve spring, forces the main valve against its seating surface. This completely shuts off the valve flow and isolates the relevant system line.

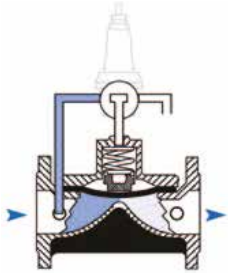
Closing is generally performed for system safety, maintenance requirements, or control purposes. In this mode, the valve can be set to close quickly or gradually using a pilot system.



Valve Opening Mode (Open Mode)

In open mode, the pressure in the upper chamber of the valve diaphragm or piston is reduced via the discharge line or control pilot. When the pressure in the upper chamber decreases, the main damper moves upward under the influence of line pressure, opening the valve. This allows fluid to flow freely through the valve.

The opening process can be initiated manually, automatically, or remotely, depending on the system's flow demand. The opening speed can be controlled via pilot valves or needle valves to achieve the desired flow rate.



Modulating Mode

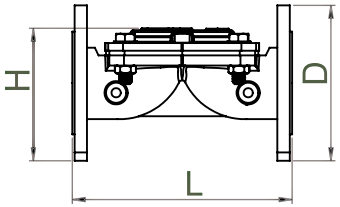
In modulating mode, the valve continuously controls flow by operating in a balanced manner between fully open and fully closed positions. This mode is used to maintain constant parameters such as system pressure, flow rate, or level.

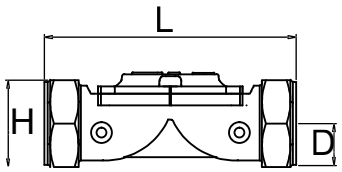
Modulating control is typically achieved with proportional pilot valves or sensor-assisted control units. The pressure on the diaphragm is continuously adjusted by the pilot system to optimize valve opening. This increases system stability, prevents sudden pressure fluctuations, and improves energy efficiency.

Dimensions and Weights

Flanged

DN		D		L		H		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	Lbs	Kg
2	50	6,50	165	8,66	220	5,87	149	17,60	8,00
2½	65	7,28	185	8,66	220	6,06	154	21,60	9,80
3	80	7,87	200	11,26	286	6,81	173	38,80	17,46
4	100	8,66	220	12,99	330	6,81	173	46,47	29,08
5	125	9,84	250	14,49	368	8,35	212	62,30	28,25
6	150	11,22	285	15,51	394	12,80	325	114,40	51,90
8	200	13,38	340	18,19	462	14,96	380	200,80	91,10
10	250	15,94	405	21,46	545	19,09	458	332,90	151,00
12	300	18,11	460	22,19	582	19,69	500	392,90	178,20





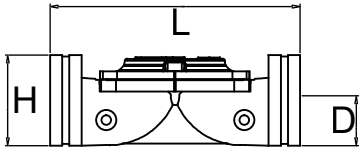
Threaded

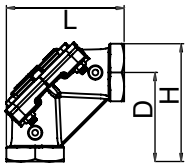
DN		D		L		H		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	Lbs	Kg
3/4	20	0,90	23,0	5,2	132	2,0	50,0	2,2	1,00
1	25	0,90	23,0	5,2	132	2,0	50,0	2,2	1,00
1¼	32	1,35	34,0	6,8	173	3,6	92,3	6,3	2,85
1½	40	1,35	34,0	6,8	173	3,6	92,3	5,8	2,65
2	50	1,65	41,5	7,3	186	4,4	112,0	9,0	4,10
2½	65	1,80	46,0	8,9	226	4,6	118,0	11,7	5,30
3	80	2,05	52,5	12,5	318	5,0	127,0	26,4	12,00

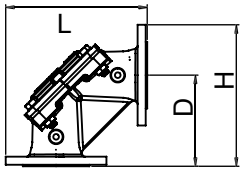
Dimensions and Weights

Victaulic

DN		D		L		H		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	Lbs	Kg
2	50	1,18	30	7,24	190	3,11	79,0	8,60	3,9
2½	65	1,46	37	8,90	218	3,74	95,0	9,92	4,5
3	80	1,77	45	11,42	290	3,70	94,0	13,00	5,9
4	100	2,26	57,5	12,48	317	4,19	106,5	13,6	6,2
6	150	3,30	84	17,87	392	5,24	133,0	66,00	30
8	200	4,53	115	21,40	544	13,10	332,0	143,30	65







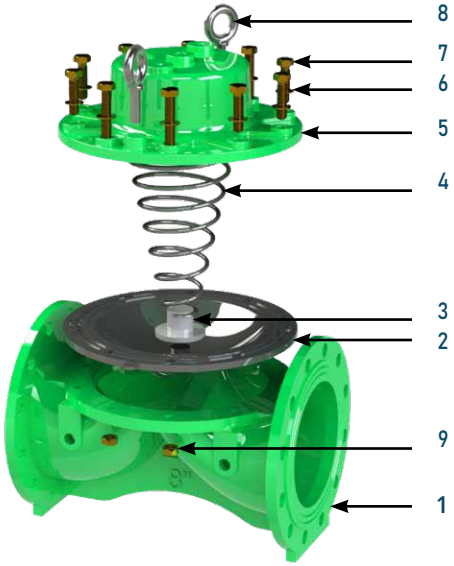
Angeled (Threaded / Flanged)

	DN		D		L		H		Weight	
	inch	mm	inch	mm	inch	mm	inch	mm	Lbs	Kg
Threaded	2	50	4,4	112	6,05	154	6,05	154	9,47	4,3
	3	80	7,1	180	9,45	240	9,45	240	29,30	13,3
Flanged	2	50	4,40	112	7,44	189	7,44	189	19,07	8,65
	3	80	7,10	180	10,95	278	10,95	278	39,02	17,7
	4	100	7,48	190	12,00	305	12	305	60,19	27,3
	6	150	9,05	230	14,92	379	14,92	379	106,26	48,2

Main Components

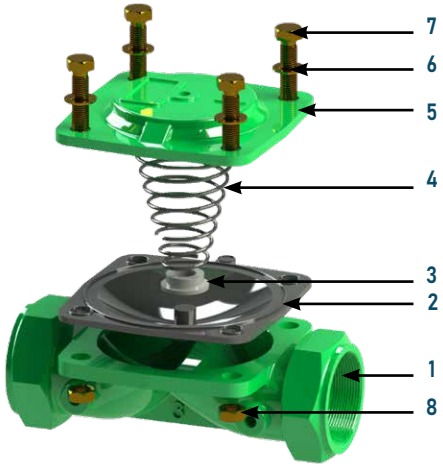
Flanged

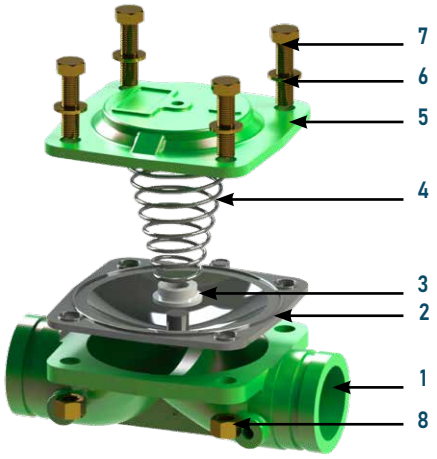
Nr.	Material Name	Material Type
1	Body	GGG40
2	Diaphragm	Natural Rubber
3	Spring Wedge	Polyamide
4	Spring	SST 302
5	Cover	GGG40
6	Washer	8.8 Coated Steel
7	Bolt	8.8 Coated Steel
8	Eyebolt	8.8 Coated Steel
9	Nut	8.8 Coated Steel

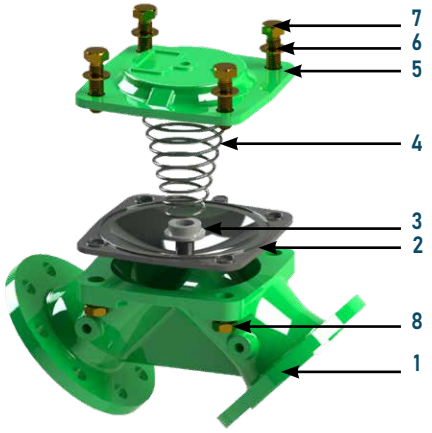


Threaded - Victaulic - Angled

Nr.	Material Name	Material Type
1	Body	GGG40
2	Diaphragm	Natural Rubber
3	Spring Wedge	Polyamide
4	Spring	SST 302
5	Cover	GGG40
6	Washer	8.8 Coated Steel
7	Bolt	8.8 Coated Steel
8	Nut	8.8 Coated Steel

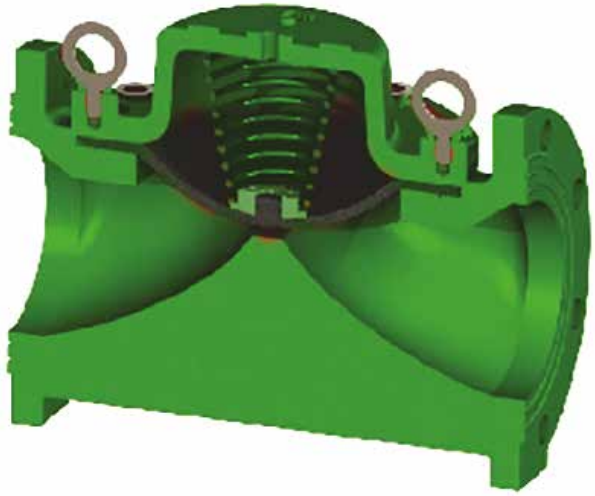






Technical Specifications

Working Pressure	Standard	0.7 - 16 bar (10 - 240 psi)
	Low Pressure Range	0.5 - 10 bar (7.5 - 160 psi)
	High Pressure Range	1 - 25 bar (14.5 - 360 psi)
Temperature	Minimum Operating Temperature	- 10 °C (14 °F) DIN 2401/2
	Maximum Operating Temperature	80 °C (176 °F) DIN 2401/2
Connection	Flanged	DIN 2501, ISO 7005 - 2
	Threaded	ISO (BSP), ANSI (NPT)
Coating	Standard	Epoxy
	Optional	Polyester
Hydraulic Connections	Standard	Reinforced Nylon (Air Brake) Hydraulic Tubing SAE J 844
	Optional	DIN1057
Actuator Type	Single Control Chamber | Diaphragm Aperture	



Hydraulic Performance

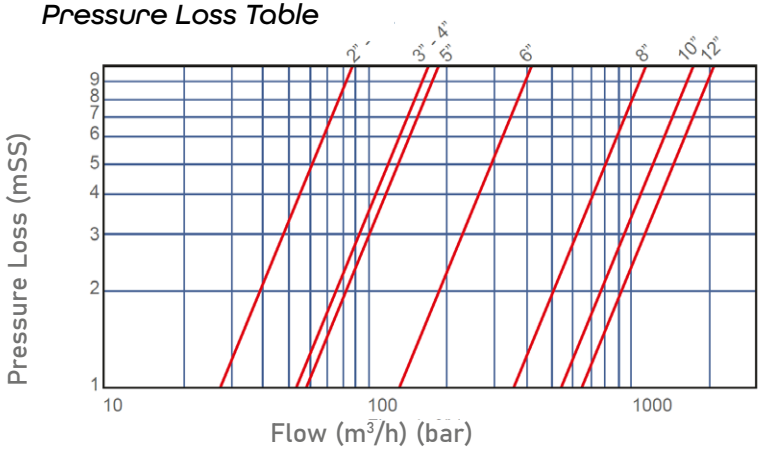
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
Valve Diameter	2	50	2½	65	3	80	4	100	5	125	6	150	8	200	10	250	12	300
Kv m3/h @ 1bar	88		88		174		187		187		419		1139		1698		2276	
Cv gmp @ 1psi	102		102		201		216		216		484		1316		1961		2629	

$$Kv(Cv) = Q.\sqrt{G/\Delta P}$$

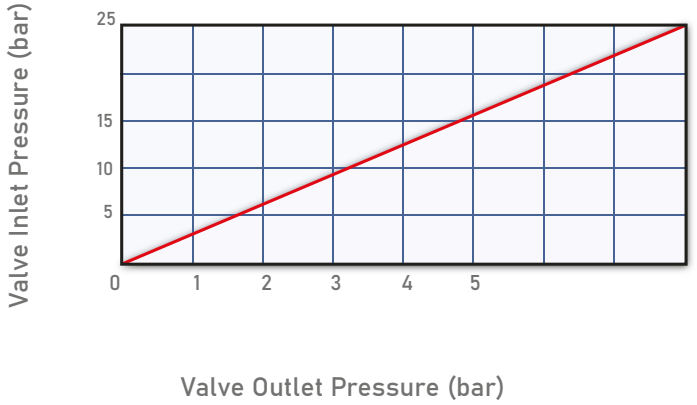
Kv : Valve Flow Coefficient (Flow rate at 1 Bar Pressure Loss m³/h @ 1 Bar)
Cv : Valve Flow Coefficient (Flow Rate at 1 Psi Pressure Loss Gpm @ 1 Psi)
Q : Flow (m³/h, gpm)

Cv = 1,155Kv
ΔP : Pressure Loss(bar, psi)
G : Specific Gravity of Water (Water=1.0)

Pressure Loss Table

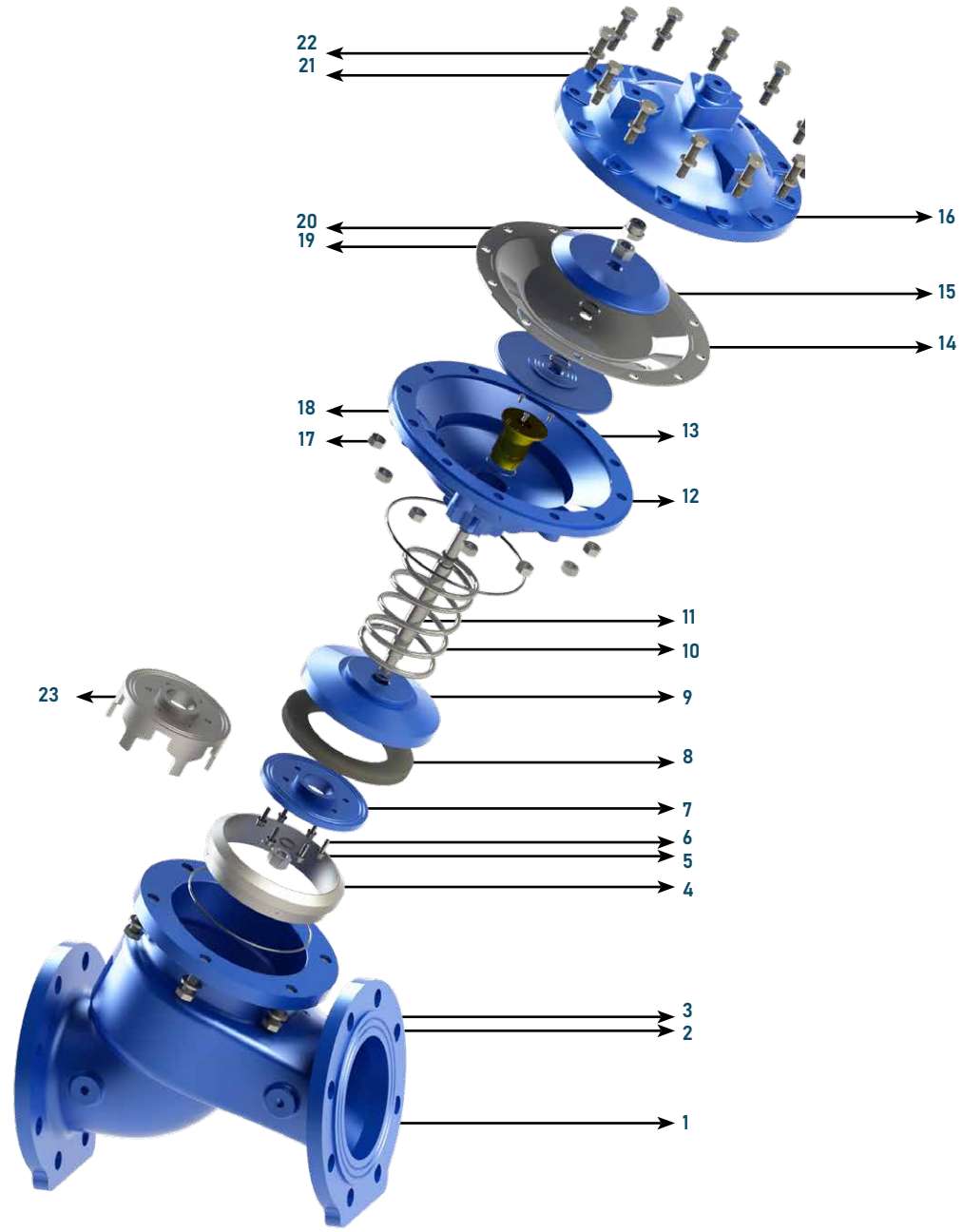


Cavitation Table



Technical Specifications

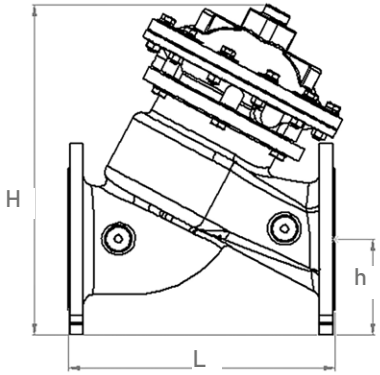
Y Type Hydraulic Control Valves

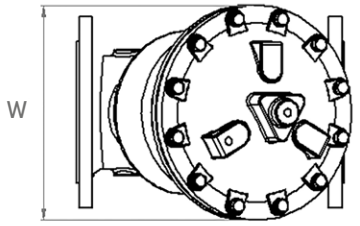


#	Material Name	Material Type
1	Body	GGG40
2	Bolt	A2
3	Washer	A2
4	Body Bushing	Stainless steel
5	Washer	A2
6	Bolt	A2
7	Disc	GGG40
8	Sealing Rubber	Natural Rubber
9	Cup	GGG40
10	Spring	AISI302
11	Shaft	AISI302
12	Bottom Cover	GGG40
13	Bottom Cover Bushing	Rice
14	Diaphragm	Natural Rubber
15	Diaphragm Flanged	GGG40
16	Top Cover	GGG40
17	Nut	A2
18	Bolt	A2
19	Nut	A2
20	Nut	A2
21	Bolt	A2
22	Washer	A2
23	V-Port (Optional)	Stainless steel

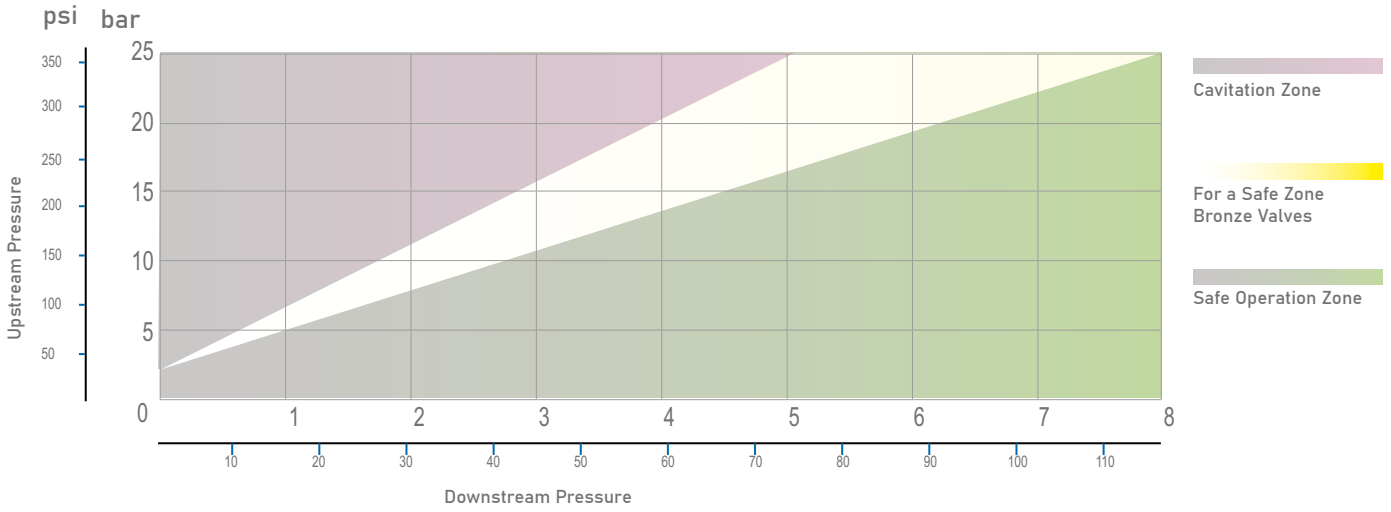
Dimensions and Weights

	DN		L		h		H		W		Weight	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg
Threaded	1¼	40	7,09	180	1,83	46,50	9,60	244	6,50	165	23,15	10,50
	2	50	7,09	180	1,83	46,50	9,60	244	6,50	165	22,70	10,30
	2½	65	7,09	180	1,83	46,50	9,60	244	6,50	165	22,04	10
Flanged	2	50	8,86	225	3,25	82,50	11,61	295	6,50	165	28,67	13
	2½	65	8,86	225	3,64	82,50	11,61	295	7,28	185	33,08	15
	3	80	11,86	300	3,94	100	15,61	385	8,27	210	66,15	30
	4	100	12,60	320	4,53	155	15,75	400	9,84	250	77,18	35
	5	125	13,07	332	4,92	125	16,22	412	9,84	250	85,98	39
	6	150	15,75	400	5,61	142,50	19,49	495	12,60	320	154,35	70
	8	200	19,88	505	6,69	170	22,83	580	16,34	415	264,60	120
	10	250	26,57	675	7,97	202,5	29,53	750	20,28	515	485	230
	12	300	30,51	775	9,05	230	34,37	873	24,21	615	772	350





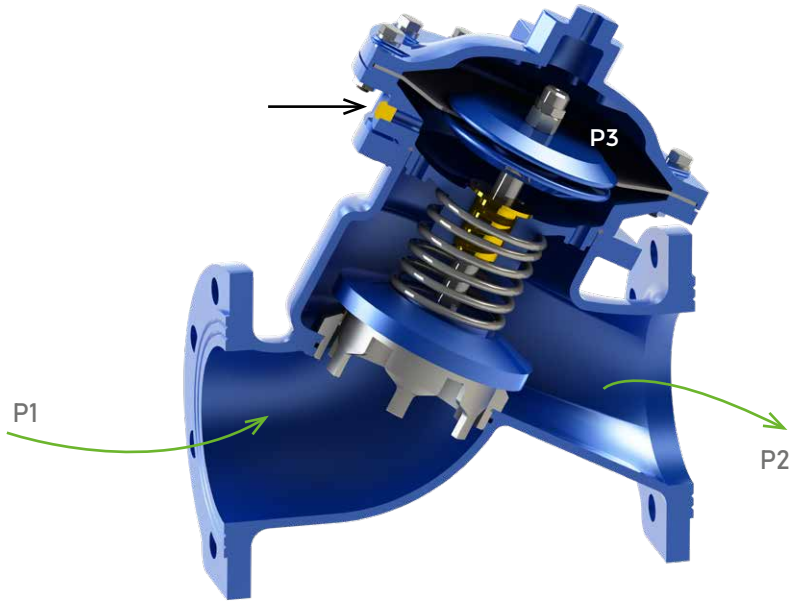
Cavitation Table



Single Chamber Actuator Use

The two blind plugs located under the bottom cover are removed, and a blind plug is fitted to the port next to the bottom cover to convert the valve actuator to a single chamber configuration. In this case, the pressures become P1, P2, P3.

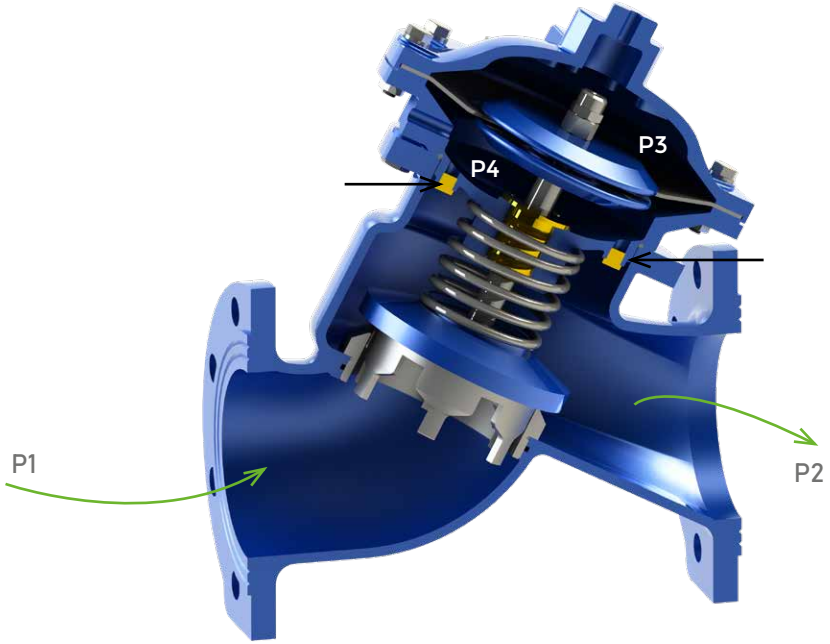
P1: Inlet Pressure
P2: Outlet Pressure
P3: Actuator Pressure



Double Chamber Actuator Use

The two port holes located under the bottom cover are closed with blind plugs, and the port hole next to the bottom cover is opened to make the valve actuator double-chambered. In this case, the pressures become P1, P2, P3, P4.

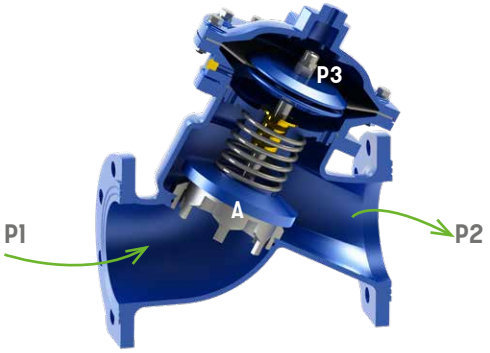
P1: Inlet Pressure
P2: Outlet Pressure
P3: Actuator Pressure
P4: External Pressure



Working Principles

These are automatic control valves with double-chamber diaphragm actuators and flap closure, used to perform the desired hydraulic operations using line pressure without the need for energy sources in the network line.

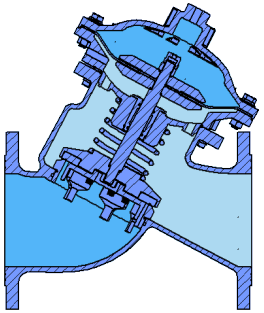
P1: Inlet Pressure
P2: Outlet Pressure
P3: Actuator Pressure
Pyay: Spring Force
A: Valve Effect Area



Valve Closing Mode

When the pilots on the main control valve deliver the inlet pressure (P1) to the diaphragm, the water creates hydraulic force. This force causes the valve disc to seat against the body seat, ensuring the valve closes completely without leakage.

If we examine the forces involved in closing the valve:
P3 x 3A + Pyay > P1 x A
is obtained. When there is no external influence on the area indicated by the P3 pressure, the P3 pressure equals the maximum P1 pressure. The P3x3A force overcomes the P1xA force together with the spring force, and the valve closes completely without leakage.

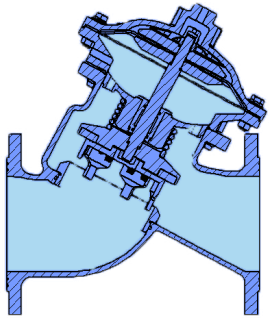


Valve Opening Mode

The inlet pressure of the main control valve overcomes the Pyay force, which assists in the closing operation, and the force created by the P3 pressure on the diaphragm, thereby opening the valve. If we examine the forces involved in opening the valve:

P1xA>Pyay+P3x3A

is obtained. Since the area represented by the P3 pressure is discharged, the differential pressure becomes 0. Thus, the P1xA force overcomes the spring force, enabling the valve to open. The spring force determines the minimum opening pressure required to open the valve.

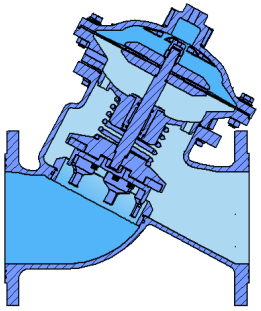


Modulation Mode

The pilots located on the main control valve continuously monitor the fluid pressure, enabling it to operate in modulation mode. If we examine the forces involved in the valve's operation in modulation mode:

P1 × A + P2 × 3A = P3 × 3A + Pyay + P2 × A

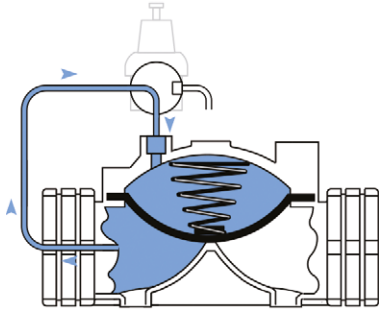
is obtained. The pilot valve, which enables the valve to operate in modulation mode, regulates the pressures P2 and P3 to achieve force equilibrium. Thus, the valve operates in modulation mode.



Working Principles

Plastic hydraulic control valves are pressure-controlled valves that use the water pressure in the system to automatically shut off the flow or partially control it. Thanks to their durable plastic body construction, they offer high resistance to corrosion and are safely used especially in agricultural irrigation, landscaping, and industrial water applications.

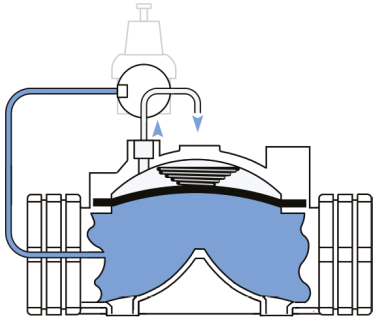
These valves change the position of the diaphragm using the pressure on the line. The pressure difference between the upper and lower chambers of the diaphragm causes the valve to switch to the open, closed or modulated position. The control signal is usually transmitted via a pilot valve, pressure regulator or solenoid control system.



Valve Closing Mode

In the closed position, line pressure is applied to the upper chamber of the valve diaphragm. The pressurised water filling the upper chamber pushes the diaphragm downwards, ensuring that the main valve seat is fully seated. In this state, the valve completely cuts off the flow and closes the line.

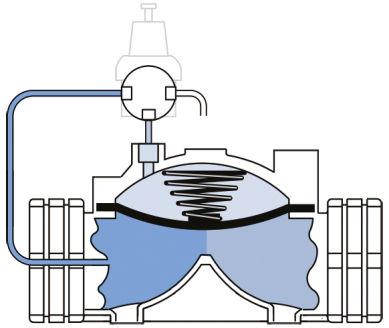
Thanks to its plastic body structure, the valve behaves flexibly against sudden pressure changes, ensuring safer system operation. The closing speed can be adjusted using a pilot valve or needle valve to achieve closure within the desired time.



Valve Opening Mode

In the open mode, the pressure in the upper chamber of the diaphragm is released via the control line or pilot system. When the pressure in the upper chamber drops, the line pressure acts on the lower surface of the diaphragm and the flap moves upwards, opening the valve.

In this case, the fluid flows freely through the valve body. The opening speed can again be adjusted using control valves or regulation elements. The plastic body reduces friction losses, allowing water to flow more efficiently and quietly.



Modulating Mode

In modulation mode, the valve operates in a partially open position to maintain a constant system pressure or flow rate. This mode is particularly used in pressure reducing, flow control or level control systems. Pilot valves or sensor-supported control systems optimise the valve opening by continuously adjusting the pressure on the diaphragm.

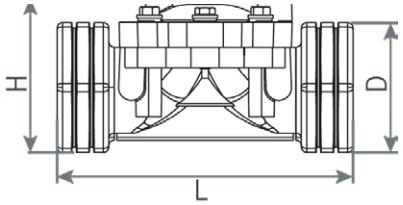
In plastic valves, this mode provides high response sensitivity thanks to both the lightweight construction and the flexible diaphragm design. This reduces pressure fluctuations, increases system stability and maintains energy efficiency.

Threaded / Regular Body

Main Components

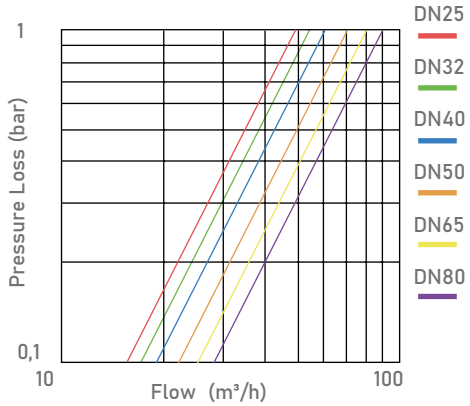
#	Material Name	Material Type
1	Body	Glass Fiber Reinforced Polyamide
2	Diaphragm	Natural Rubber
3	Spring Wedge	Polypropylene
4	Spring	SST 302
5	Cover	Glass Fiber Reinforced Polyamide
6	Washer	A2 Stainless Steel
7	Bolt	A2 Stainless Steel
8	Nut	Brass

Dimensions and Weight



DN		D		L		H		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	Lbs	Kg
¾	20	1,73	44	5,51	140	2,36	62,50	0,66	0,30
1	25	1,73	44	5,51	140	2,36	62,50	0,66	0,30
1½	40	2,48	63	7,91	201	4,28	100,00	2,54	1,15
2	50	2,95	75	8,07	211	4,33	105,50	2,65	1,20
2½	65	3,66	93	8,64	219	4,64	112,50	3,09	1,40
3"R	80R	4,33	110	8,78	223	4,88	124,50	3,42	1,55

Pressure Loss Table



Hydraulic Performance

	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
Valve Diameter	¾	25	1	32	1½	40	2	50	2½	65	3"R	80R
Kv m³/h@1bar	50		55		60		70		80		90	
Cv gmp@1psi	56		66		69		81		92		104	

$$Kv(Cv) = Q.\sqrt{G/\Delta P}$$

Kv : Valve Flow Coefficient (Flow rate at 1 Bar Pressure Loss m³/h @ 1 Bar)
Cv : Valve Flow Coefficient (Flow Rate at 1 Psi Pressure Loss Gpm @ 1 Psi)
Q : Flow (m³/h, gpm)

Cv = 1,155Kv
ΔP : Pressure Loss(bar, psi)
G : Specific Gravity of Water (Water=1.0)

Model

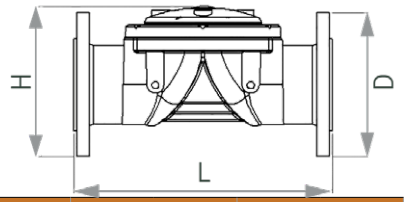
Connection	Threaded	
Material	Glass Reinforced Polyamide	
Body	Globe	
Current Diameters	inch	mm
	3/4	25
	1	32
	1½	40
	2	50
	2½	65
	3"R	80R
Maxi. Working Pressure	10 Bar	

Flanged - Threaded / Large Body

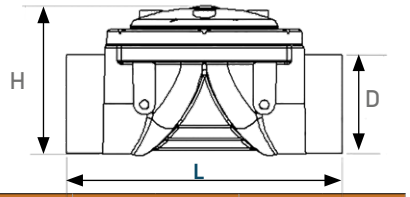
Main Components

#	Material Name	Material Type
1	Body	Glass Fiber Reinforced Polyamide
2	Flange Adapter	Glass Fiber Reinforced Polyamide
3	Flange	Glass Fiber Reinforced Polyamide
4	Diaphragm	Natural Rubber
5	Spring Mount	Polypropylene
6	Spring	SST302
7	Cover	Glass Fiber Reinforced Polyamide
8	Bolt	8.8 Coated Steel
9	Nut	8.8 Coated Steel
10	Washer	8.8 Coated Steel

Dimensions and Weight

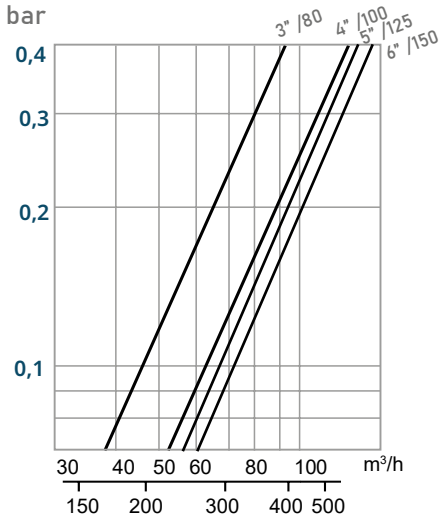


DN		D		L		H		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	Lbs	Kg
3	80	7,87	200	14,57	370	8,66	220	14,52	6,60
4	100	9,00	227	14,57	370	9,17	233	16,28	7,40
5	125	10,11	257	13,35	390	9,96	253	16,53	7,5
6	150	11,02	280	15,55	395	10,43	265	16,76	7,6



DN		D		L		H		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	Lbs	Kg
3	80	4,72	120	11,58	294	7,05	179	10,25	4,65
4	100	4,72	120	13,23	336	7,28	185	9,70	4,40

Pressure Loss Table



Hydraulic Performance

	inch	mm	inch	mm	inch	mm	inch	mm
Valve Diameter	3	80	4	100	5	125	6	150
Kv m³/h@1bar	166		208		215		220	
Cv gmp@1psi	193		242		248		260	

$$Kv(Cv) = Q.\sqrt{G/\Delta P}$$

Kv : Valve Flow Coefficient (Flow rate at 1 Bar Pressure Loss m³/h @ 1 Bar)
Cv : Valve Flow Coefficient (Flow Rate at 1 Psi Pressure Loss Gpm @ 1 Psi)
Q : Flow (m³/h, gpm)

Cv = 1,155Kv
ΔP : Pressure Loss(bar, psi)
G : Specific Gravity of Water (Water=1.0)

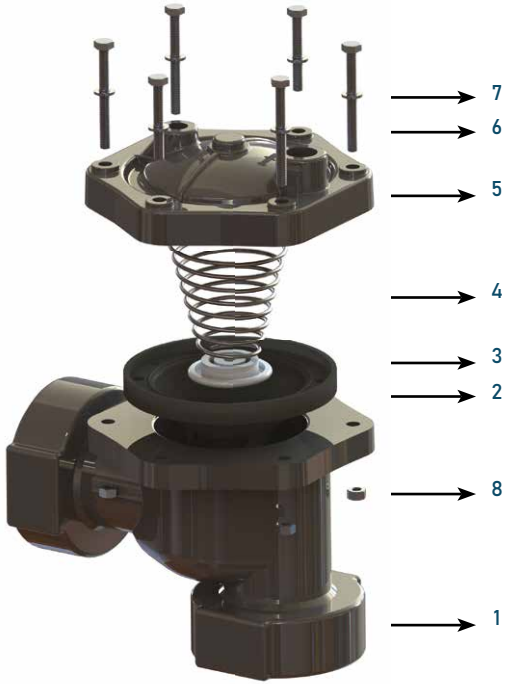
Model

Connection	Flanged / Threaded	
Material	Glass Reinforced Polyamide	
Body	Globe	
Current Diameters	inch	mm
	3	80
	4	100
	5	125
	6	150 (Flanged)
Maxi. Working Pressure	10 Bar	

Threaded / Angled Body

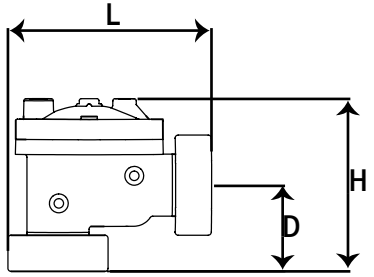
Main Components

#	Material Name	Material Type
1	Body	Glass Fiber Reinforced Polyamide
2	Diaphragm	Natural Rubber
3	Spring Mount	Polypropylene
4	Spring	SST 302
5	Cover	Glass Fiber Reinforced Polyamide
6	Bolt	A2 Stainless Steel
7	Washer	A2 Stainless Steel
8	Nut	Brass

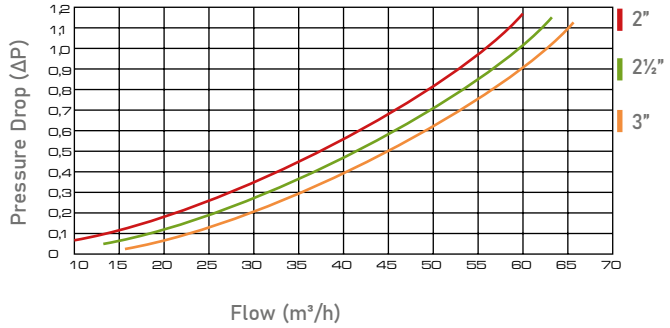


Dimensions and Weight

DN		D		L		H		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	Lbs	Kg
2	50	3,4	86	8	203	6,77	172	2,86	1,30
2½	65	3,4	86	8	203	6,77	172	2,86	1,20
3"R	80R	3,4	86	8	203	6,77	172	2,86	1,06



Pressure Loss Table



	inch	mm	inch	mm	inch	mm
Valve Diameter	2	50	2½	65	3"R	80R
Kv m³/h@1bar	51,0		56,0		66,0	
Cv gmp@1psi	58,9		64,7		76,2	

Model

Connection	Threaded	
Material	Glass Reinforced Polyamide	
Body	Globe	
Current Diameters	inch	mm
	2	50
	2½	65
	3"R	80R
Maxi. Working Pressure	10 Bar	

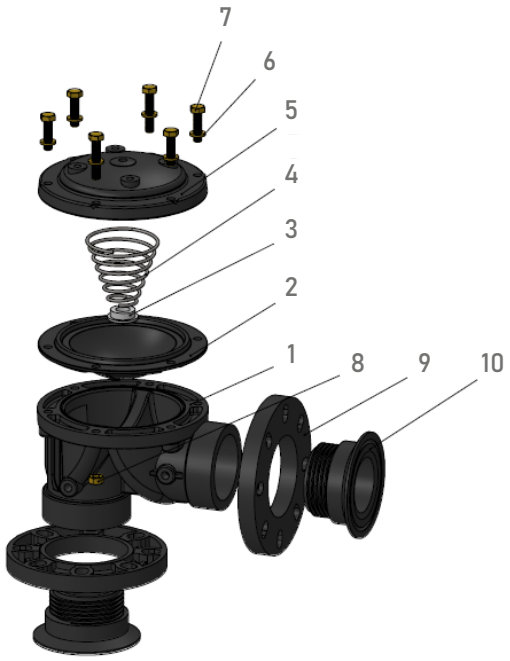
$$Kv(Cv) = Q.\sqrt{G/\Delta P}$$

Kv : Valve Flow Coefficient (Flow rate at 1 Bar Pressure Loss m³/h @ 1 Bar)
Cv : Valve Flow Coefficient (Flow Rate at 1 Psi Pressure Loss Gpm @ 1 Psi)
Q : Flow (m³/h, gpm)

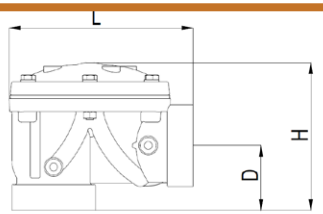
Cv = 1,155Kv
ΔP : Pressure Loss(bar, psi)
G : Specific Gravity of Water (Water=1.0)

Flanged - Threaded / Angled Large Body

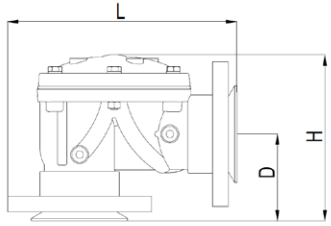
Main Components



Dimensions and Weight



DN		D		L		H		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	Lbs	Kg
3	80	3,9	99	10,9	277	8,78	223	11,13	5,05
4	100	3,9	99	10,9	277	8,78	223	10,8	4,90



DN		D		L		H		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	Lbs	Kg
3	80	5,08	129	13,42	341	9,96	253	15,43	7
4	100	5,35	136	14,84	377	10,28	261	17,19	7,8
6	150	6,38	162	16,18	411	11,14	283	17,64	8

Model

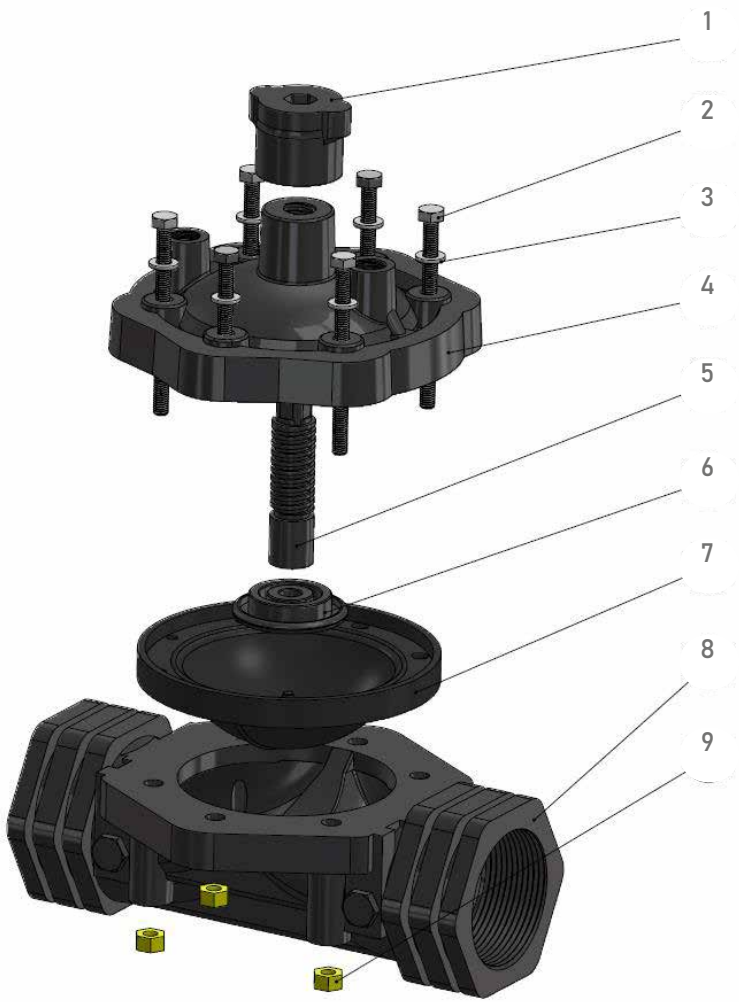
Connection	Flanged / Threaded	
Material	Glass Reinforced Polyamide	
Body	Globe	
Current Diameters	inch	mm
	3	80
	4	100
	6	150
Maximum Working Pressure	10 Bar	

$$Kv(Cv) = Q.\sqrt{G/\Delta P}$$

Kv : Valve Flow Coefficient (Flow rate at 1 Bar Pressure Loss m³/h @ 1 Bar)
Cv : Valve Flow Coefficient (Flow Rate at 1 Psi Pressure Loss Gpm @ 1 Psi)
Q : Flow (m³/h, gpm)

Cv = 1,155Kv
ΔP : Pressure Loss(bar, psi)
G : Specific Gravity of Water (Water=1.0)

Manual Flow Controlled



The flow rate in the line can be reduced using the flow control lever on the cover.

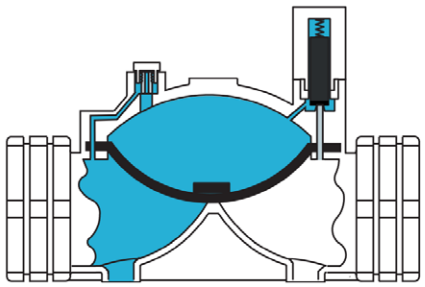
#	Material Name	Material Type
1	Flow Cover	Polypropylene
2	Bolt	Stainless Steel
3	Washer	Stainless Steel
4	Cover	GRP
5	Flow Shaft	Polypropylene
6	Spring Stamp	Polypropylene
7	Diaphragm	Natural Rubber
8	Body	GRP
9	Nut	Brass

Current Diameters	
Threaded	3/4"
	1"
	1 1/2"
	2"
	2 1/2"
	3"R
	3"L
	4"L
Flanged	DN80
	DN100
Angled Threaded	2"
	2 1/2"
	3"
Angled Flanged	DN80
	DN100

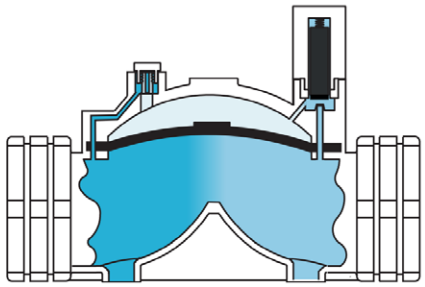
Two-Way Solenoid Usage

It is controlled by a two-way solenoid valve connected to the main valve. Normally closed, the valve switches to the open position when a signal is received or when manually operated.

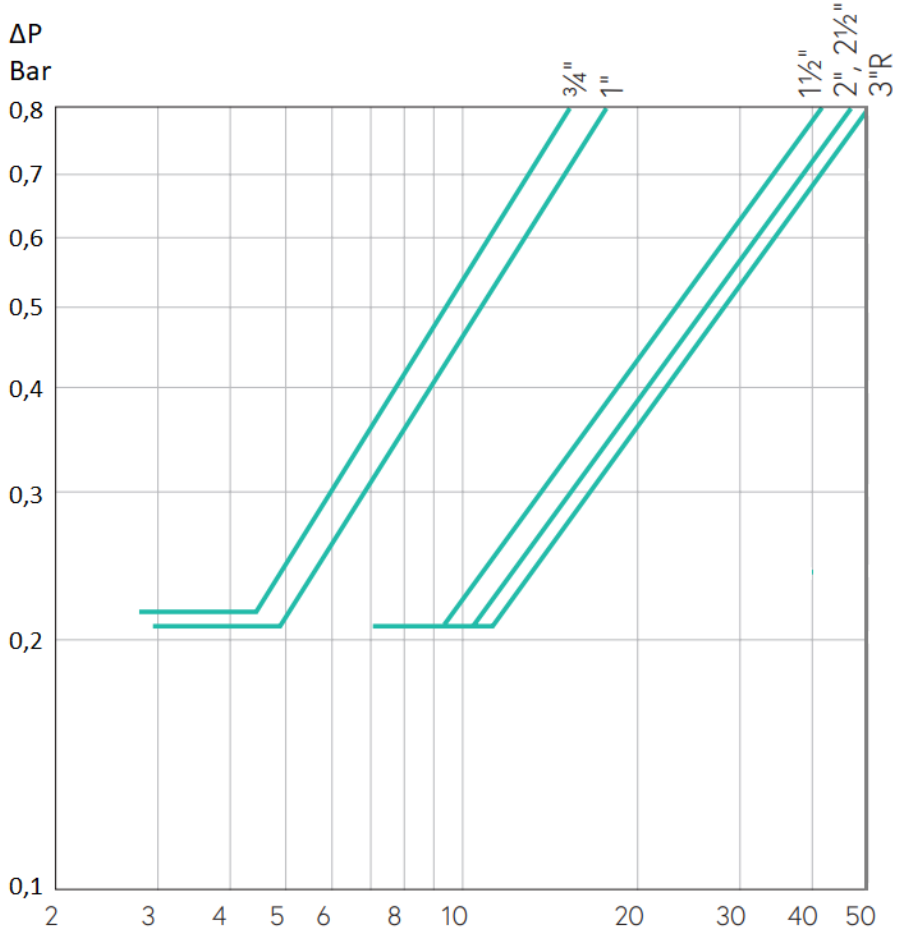
Valve Opening Mode



Valve Closing Mode

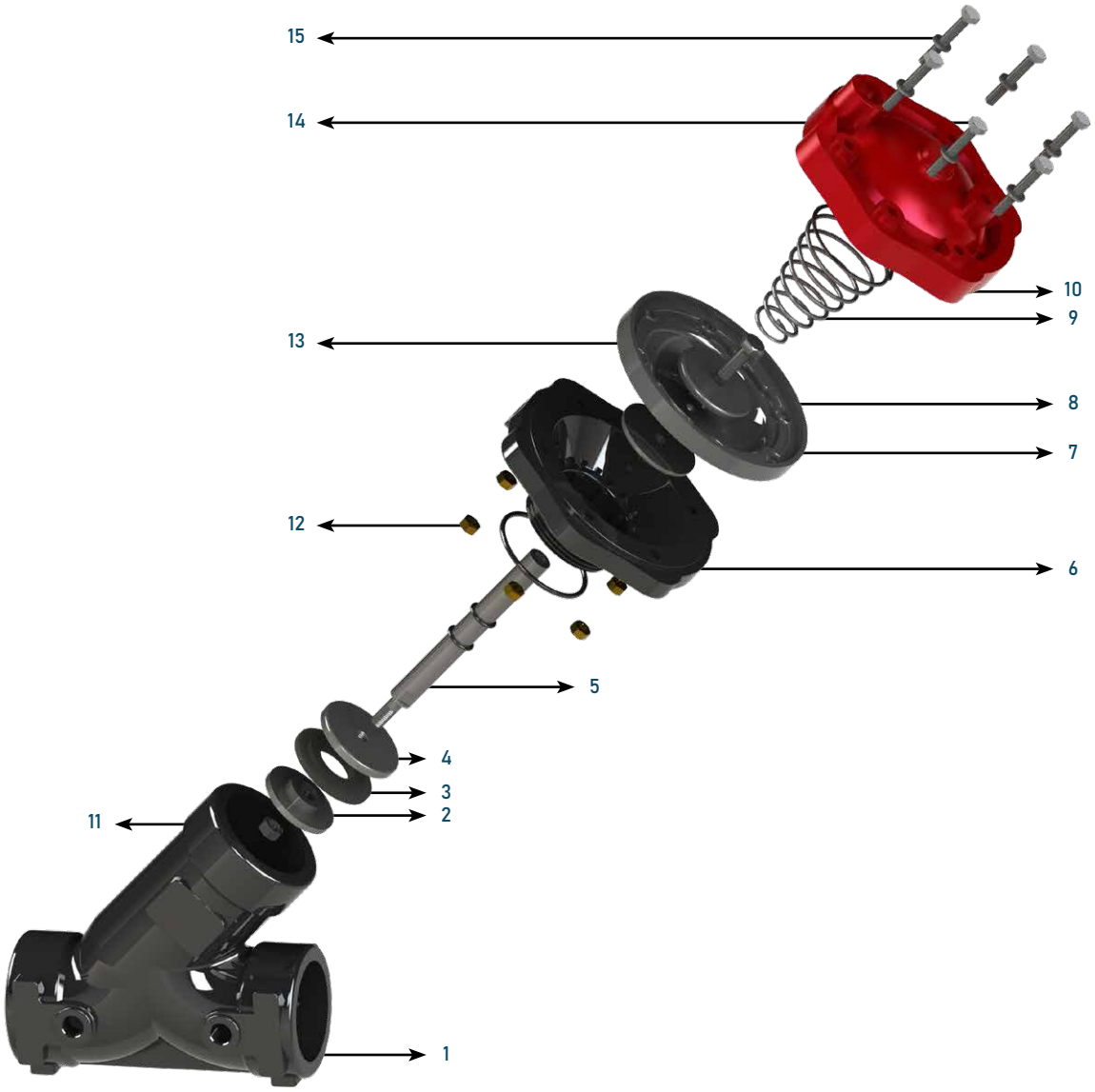


Pressure Loss Table

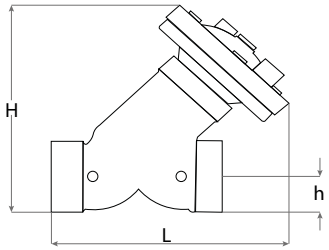


Main Components

#	Material Name	Material Type
1	Body	Glass Fiber Reinforced Polyamide
2	Valve	Stainless Steel
3	Sealing Rubber	EPDM
4	Cup	Stainless Steel
5	Shaft	Stainless Steel
6	Bottom Cover	Glass Fiber Reinforced Polyamide
7	Diaphragm	Natural Rubber
8	Diaphragm Support	Stainless Steel
9	Spring	Stainless Steel
10	Top Cover	Glass Fiber Reinforced Polyamide
11	Nut	Stainless Steel
12	Nut	Brass
13	Bolt	Stainless Steel
14	Bolt	Stainless Steel
15	Washer	Stainless Steel



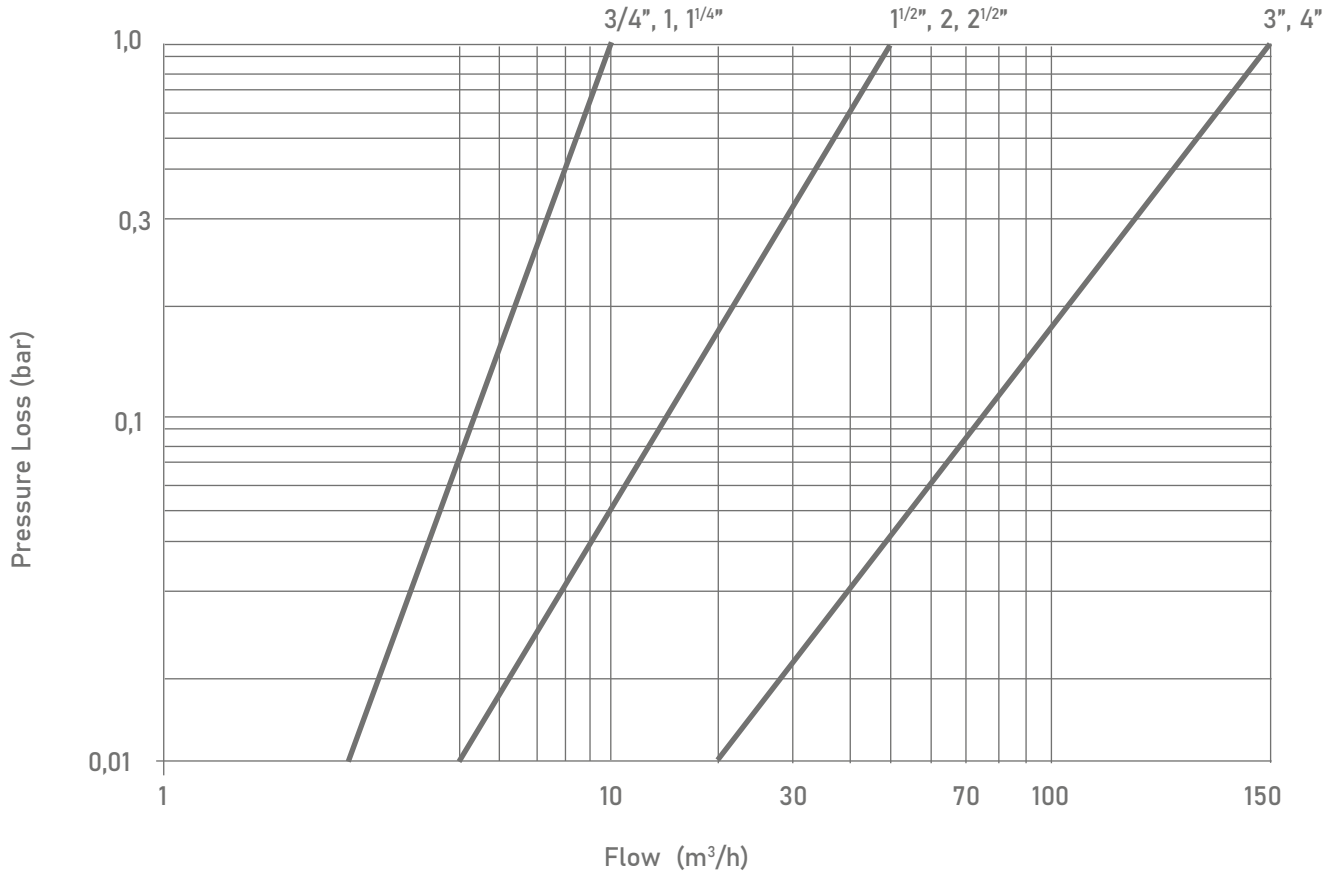
Operating Temperature: Maximum 80°C
Operating Pressure: Maximum 10 Bar



Dimensions and Weights

DN		L		h		H		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	Lbs	Kg
2	50	6,49	165	1,49	38	8,86	225	3,86	1,75
¾	20	5,31	135	1,02	26	5,23	133	2,09	0,95
1	25	5,31	135	1,02	26	5,23	133	2,20	1,00
1¼	32	5,31	135	1,14	29	5,23	133	2,31	1,05
1½	40	8,78	165	1,49	38	8,86	225	3,86	1,75
2	50	6,49	165	1,49	38	8,86	255	3,86	1,75

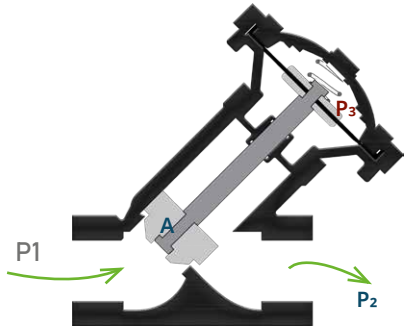
Pressure Loss Table

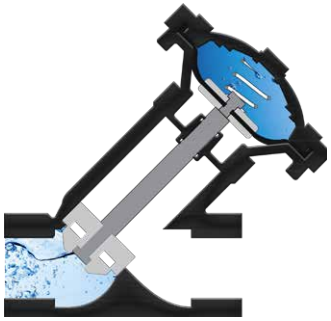


Working Principles

These are automatic control valves with double-chamber diaphragm actuators and flap closure, used to perform the desired hydraulic operations using line pressure without the need for energy sources in the network line.

P1: Inlet Pressure
P2: Outlet Pressure
P3: Actuator Pressure
Pyay: Spring Force
A: Valve Effect Area





Valve Closing Mode

When the pilots on the main control valve deliver the inlet pressure (P1) to the diaphragm, the water creates hydraulic force. This force causes the valve disc to seat against the body seat, ensuring the valve closes completely without leakage.
If we examine the forces involved in closing the valve,
P3 x 3A + Pyay > P1 x A

is obtained. When there is no external effect on the area indicated by the P3 pressure, the P3 pressure equals the maximum P1 pressure. The P3x3A force overcomes the P1xA force together with the spring force, and the valve closes completely without leakage.

Valve Opening Mode

The inlet pressure of the main control valve overcomes the Pyay force, which assists in the closing operation, and the force created by the P3 pressure on the diaphragm, thereby opening the valve.
If we examine the forces involved in opening the valve:

P1xA > Pyay+P3x3A

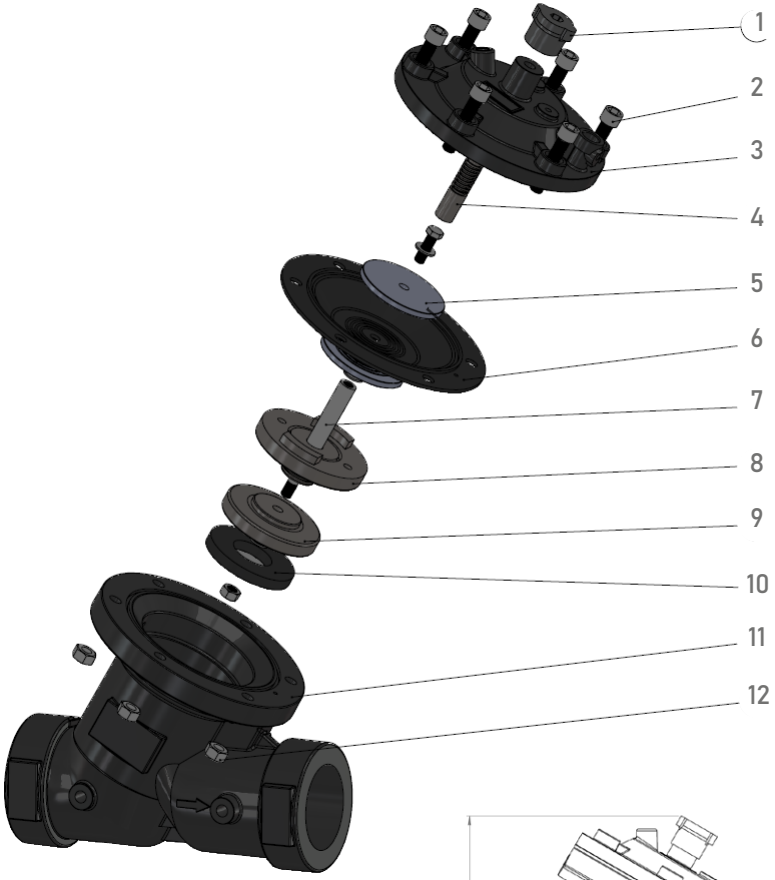
is obtained. Since the area represented by the P3 pressure is discharged, the differential pressure becomes 0. Thus, the P1xA force overcomes the spring force, enabling the valve to open. The spring force determines the minimum opening pressure required to open the valve.

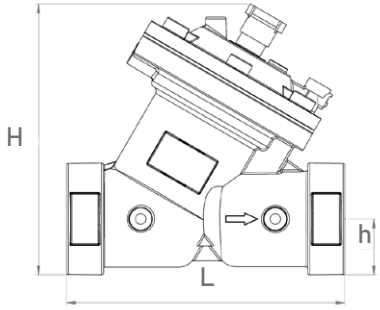
Modulating Mode

Ana kontrol vanasının üzerinde bulunan pilotlar alt ensures operation in modulation mode by continuously monitoring the pressure of the winterising valve.
If the forces involved in the valve's operation in modulation mode are examined:
P1 x A + P2 x 3A = P3 x 3A + Pyay + P2 x A

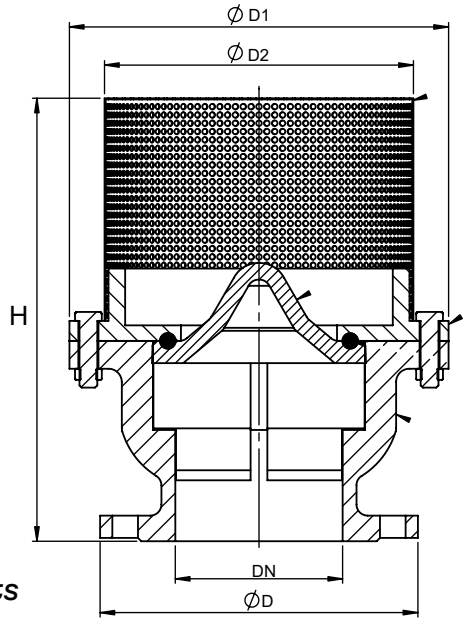
is obtained. The pilot valve, which enables the valve to operate in modulation mode, regulates the P2 and P3 pressures to achieve force equilibrium. Thus, the valve operates in modulation mode.

Main Components



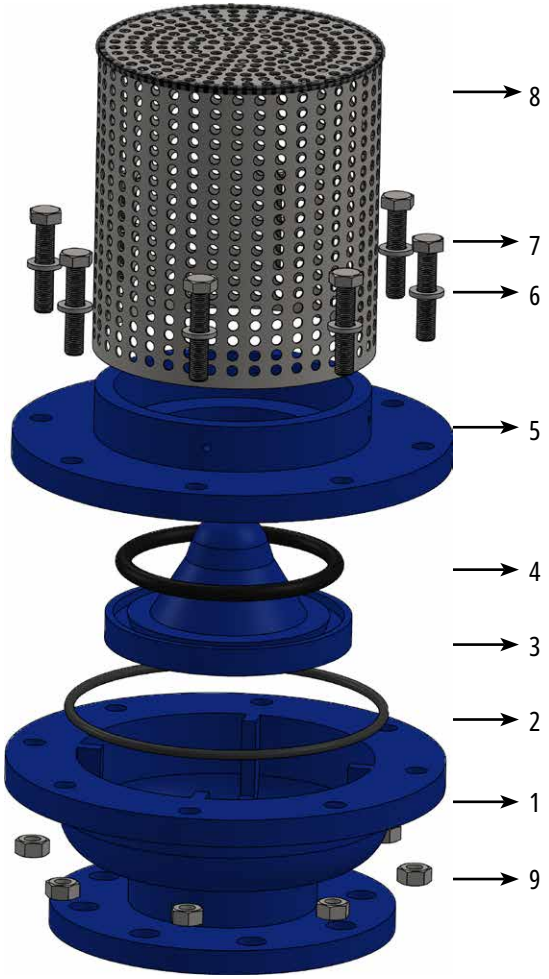


Connection	DN		L		h		H	
	inch	mm	inch	mm	inch	mm	inch	mm
Threaded	3/4"	20	6,50	165	1,02	26,0	6,30	160
	1"	25	6,50	165	1,02	26,0	6,30	160
	1 1/4"	32	6,50	165	1,18	30,0	6,46	164
	1 1/2"	40	8,78	223	1,46	37,0	8,94	227
	2"	50	8,78	223	1,57	40,0	9,06	230
	2 1/2"	65	8,98	228	1,89	48,0	9,37	238
	3"	80	11,81	300	2,40	61,0	11,61	295
	4"	100	12,60	320	2,89	73,5	12,00	305
Flanged	2"	50	11,28	261	3,25	82,5	10,63	270
	2 1/2"	65	11,28	267	3,64	92,5	11,02	280
	3"	80	15,59	396	3,84	97,5	12,99	330
	4"	100	15,59	396	4,47	113,5	13,62	346
Victaulic	3"	80	11,81	300	2,05	52,0	11,22	285
	4"	100	11,81	300	2,26	57,5	11,42	290



Main Components

#	Material Name	Material Type
1	Body	GGG40
2	O-Ring	NBR
3	Flap	GGG40
4	O-Ring	NBR
5	Cover	GGG40
6	Washer	8.8 Coated Steel
7	Bolt	8.8 Coated Steel
8	Filter	AISI 302
9	Nut	8.8 Coated Steel



Dimensions and Weights

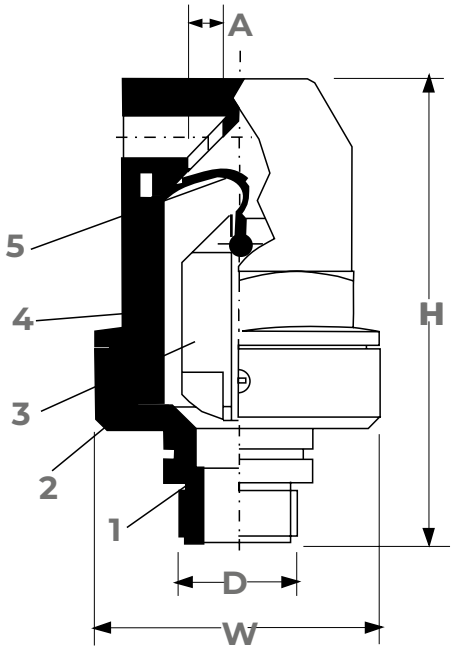
DN		D		D1		D2		H		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg
2	50	6,50	165	9,84	250	7,24	184	10,98	279	38,39	17,45
2 ½	65	7,28	185	9,84	250	7,24	184	10,98	279	41,25	18,75
3	80	7,87	200	11,02	280	8,58	218	13,11	333	51,59	23,45
4	100	8,66	220	11,02	280	8,58	218	13,11	333	51,92	23,60
5	125	9,84	250	12,60	320	10,00	254	14,09	358	72,38	32,90
6	150	11,22	285	13,39	340	10,79	274	15,67	398	98,34	44,70
8	200	13,39	340	16,14	410	13,07	332	20,47	520	165,00	75,00
10	250	15,94	405	18,11	460	13,86	352	21,89	556	209,00	95,00
12	300	18,11	460	20,47	520	15,98	406	25,83	656	240,24	109,20
16	400	22,83	580	25,20	640	20,87	530	28,58	726	374,00	170,00
20	500	28,15	715	30,51	775	20,87	530	30,31	770	583	265,00

1/2” - 3/4” - 1” Double Action (Automatic) Air Valve

Main Components

#	Material Name	Material Type
1	Body	Glass Reinforced Polyamide
2	O-Ring	NBR
3	Float	polypropylene
4	Cover	Glass Reinforced Polyamide
5	Float Rubber	EPDM

#	Unit	1/2”	3/4”	1”
H	Height (mm)	112	112,75	136,57
W	Width (mm)	58,88	58,88	85,65
D	Connection Diameter	1/2”BSP	3/4”BSP	1”BSP
A	Nozzle Area	25mm²	25mm²	25mm²
-	Weight (kg)	0,140	0,141	0,304

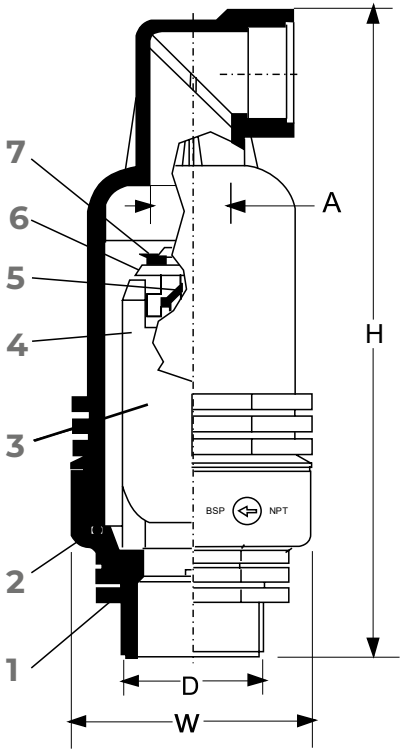


2” Triple-Effect (Combination) Air Valve

Main Components

#	Material Name	Material Type
1	Body	Glass Reinforced Polyamide
2	O-Ring	NBR
3	Cover	Glass Reinforced Polyamide
4	Float	Polypropylene
5	Fork Rubber	EPDM
6	Float Fork	Glass Reinforced Polyamide
7	Float Seal	EPDM

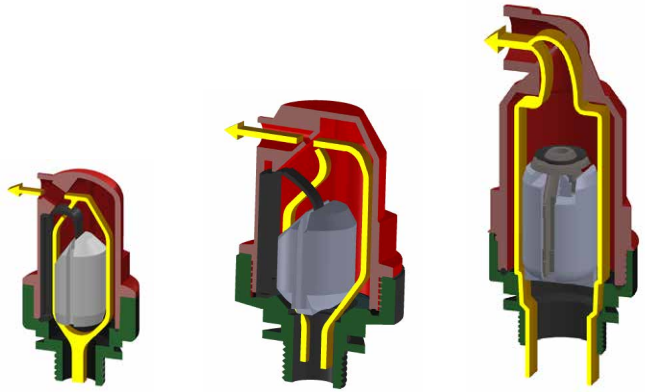
#	Unit	2”
H	Height (mm)	243
W	Width (mm)	103
D	Connection	2” BSP
a	Automatic Nozzle Area	7mm2
-	Weight (kg)	0,695
A	Kinetic Nozzle Area	855mm2



Discharge Mode

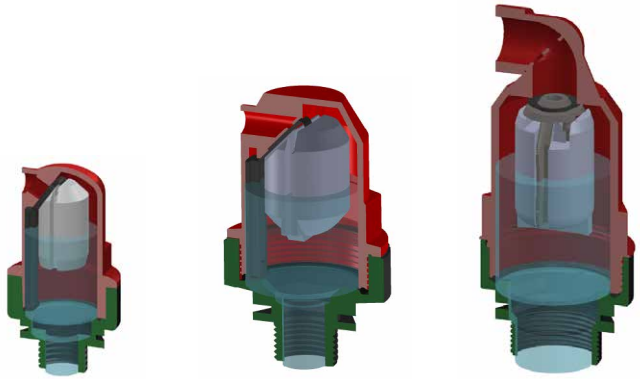
Open position

It ensures that the large amount of air in the pipeline is rapidly evacuated from the system during its initial start-up.



Closed Position

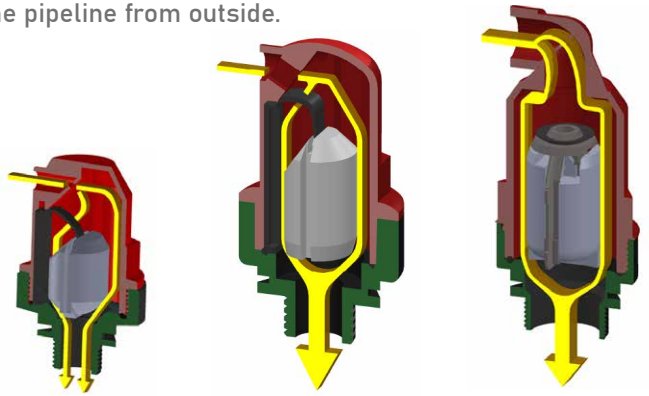
When the water reaches the suction cup, the float rises and closes the suction cup outlet.



Pressure Balancing Mode

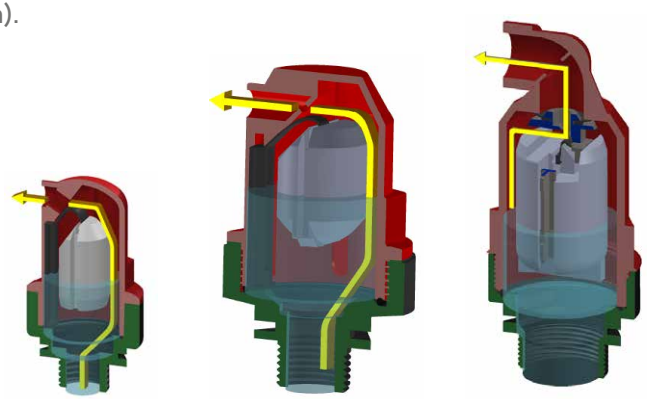
Open position

During the withdrawal or discharge of water from the pipeline, the pressure in the pipeline becomes lower than atmospheric pressure. This situation, known as the vacuum effect, causes collapse and cavitation damage in the pipes. The float valve descends (open position) and prevents this problem by allowing air to flow into the pipeline from outside.



Closed Position

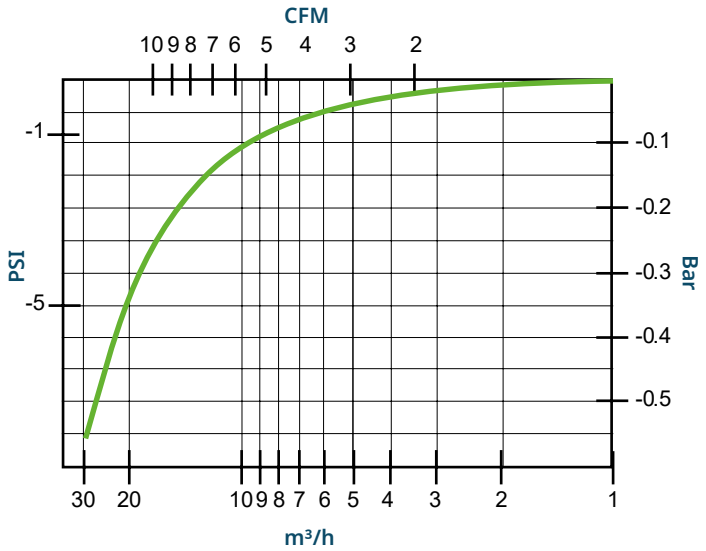
During system servicing, i.e. when the pipeline is under pressure, a small amount of air is carried along with the water and collects in specific areas such as the higher sections of the pipeline. The accumulated pressurised air is discharged together with the water, partially raising the float (modulation position). After discharge, the float rises again and closes the suction outlet (closed position).



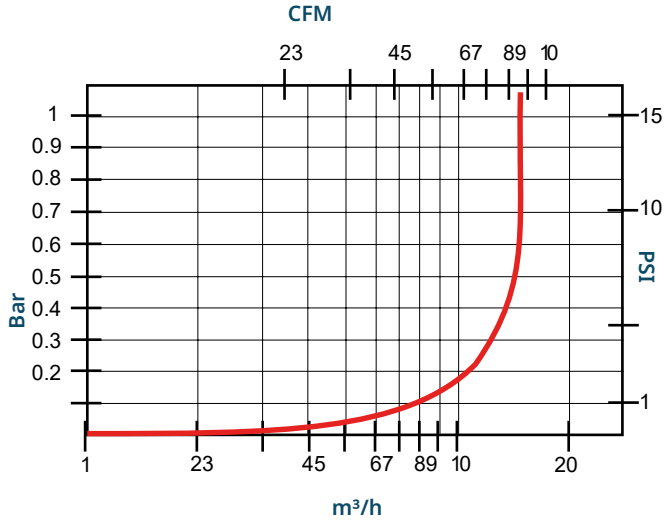
Technical Specifications

1/2” - 3/4” - 1” Double Action (Automatic) Air Valve

Air inlet

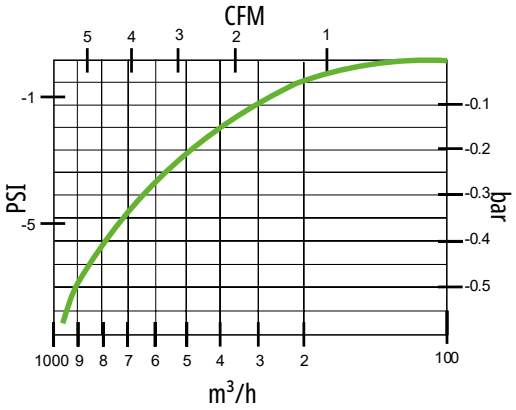


Air Ventilation

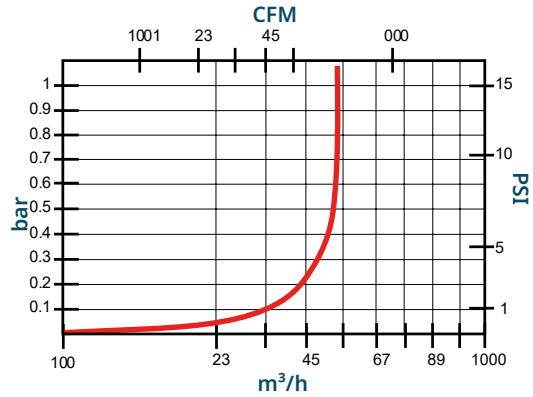


2” Triple-Effect (Combination) Air Valve

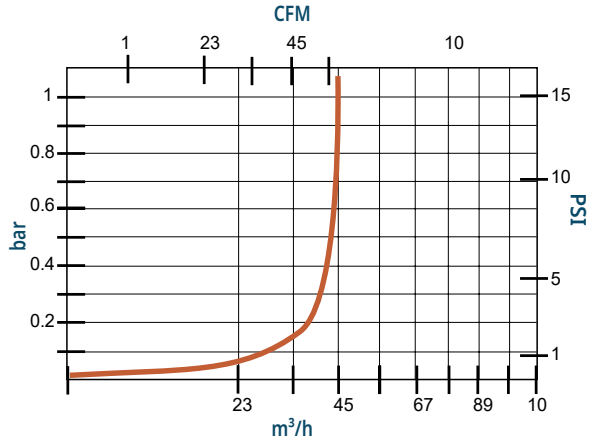
Air inlet



Air Ventilation



Air Release - Automatic Valve

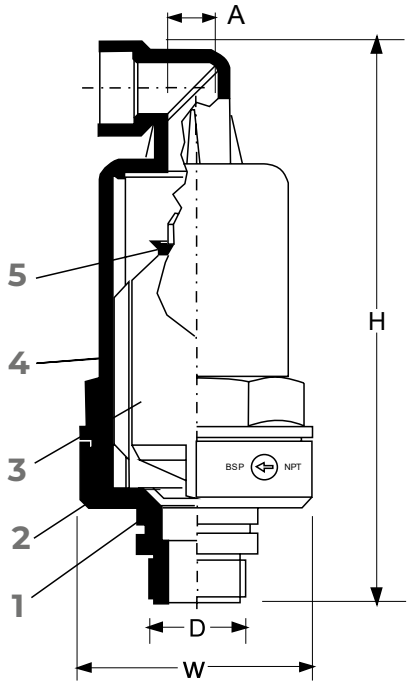


1/2” - 3/4” - 1” Single-Effect (Kinetic) Air Valve

Main Components

#	Material Name	Material Type
1	Body	Glass Reinforced Polyamide
2	O-Ring	NBR
3	Float	Polypropylene
4	Cover	Glass Reinforced Polyamide
5	Float Rubber	EPDM

#	Unit	1/2”	3/4”	1”
H	Height (mm)	111,98	112,12	191,60
W	Width (mm)	58,88	58,88	85,65
D	Connection	1/2”BSP	3/4”BSP	1”BSP
A	Nozzle Area	314 mm^2	314 mm^2	314 mm^2
-	Weight (kg)	0,138	0,141	0,364

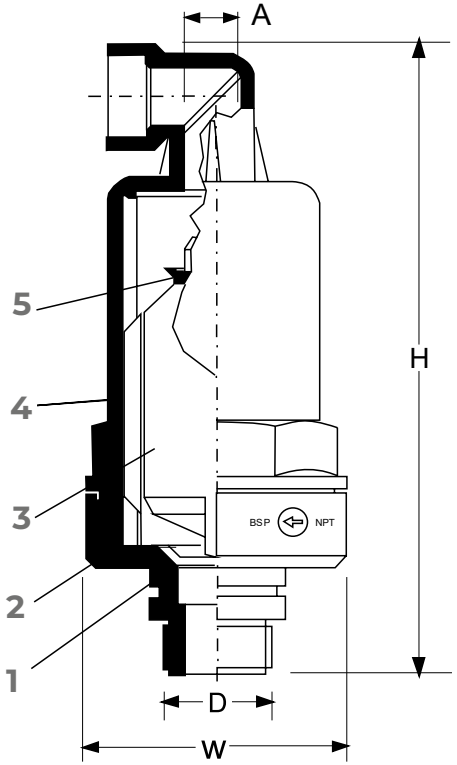


2” Single-Effect (Kinetic) Air Valve

Main Components

#	Material Name	Material Type
1	Body	Glass Reinforced Polyamide
2	O-Ring	NBR
3	Float	Polypropylene
4	Cover	Glass Reinforced Polyamide
5	Float Rubber	EPDM

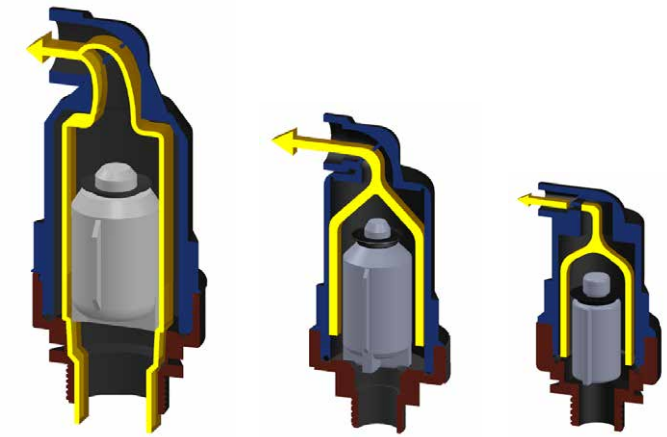
#	Unit	2”
H	Height (mm)	243
W	Width (mm)	103
D	Connection	2”BSP
A	Nozzle Area	855 mm^2
-	Weight (kg)	0,672



Discharge Mode

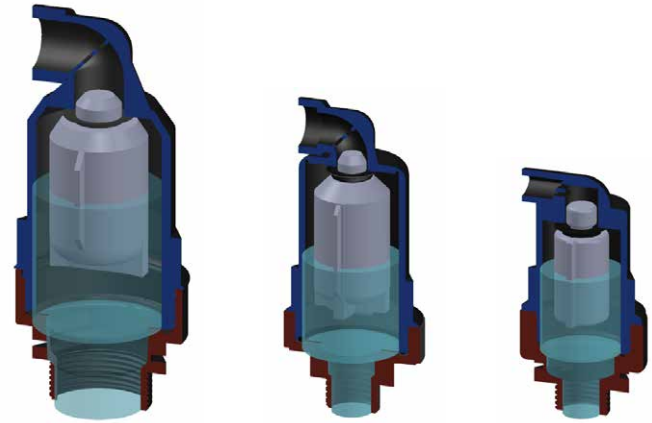
Open Position

It ensures that the large amount of air in the pipeline is rapidly evacuated from the system during its initial start-up.



Closed Position

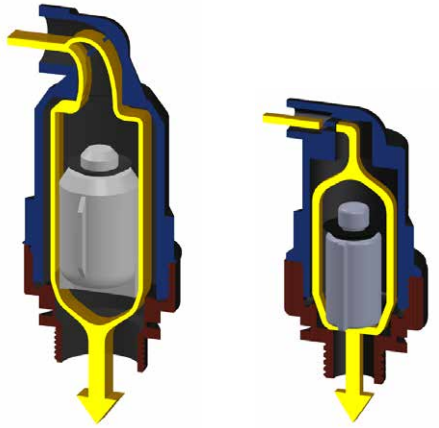
When the water reaches the suction cup, the float rises and closes the suction cup outlet.



Pressure Balancing Mode

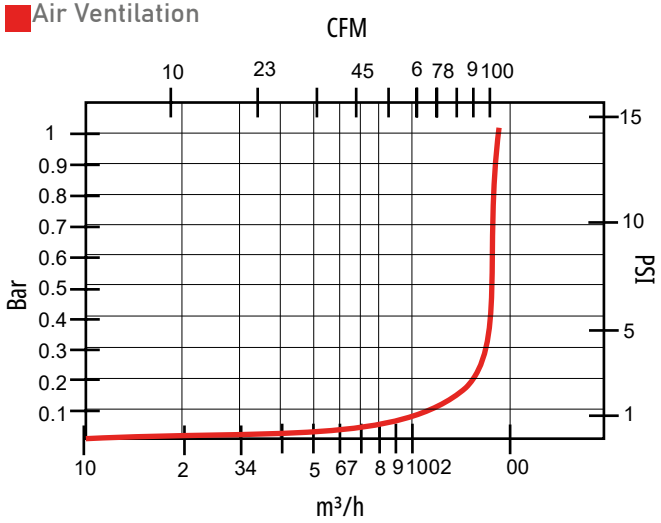
Open Position

During the withdrawal or discharge of water from the pipeline, the pressure in the pipeline becomes lower than atmospheric pressure. This situation, known as the vacuum effect, causes collapse and cavitation damage in the pipes. The float valve descends (open position) and prevents this problem by allowing air to flow into the pipeline from outside.

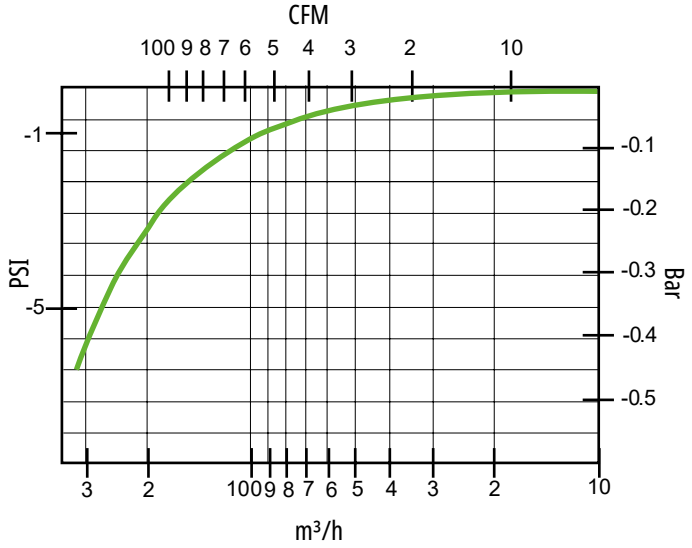


1/2” - 3/4” - 1” Single-Effect (Kinetic) Air Valve

Air Ventilation

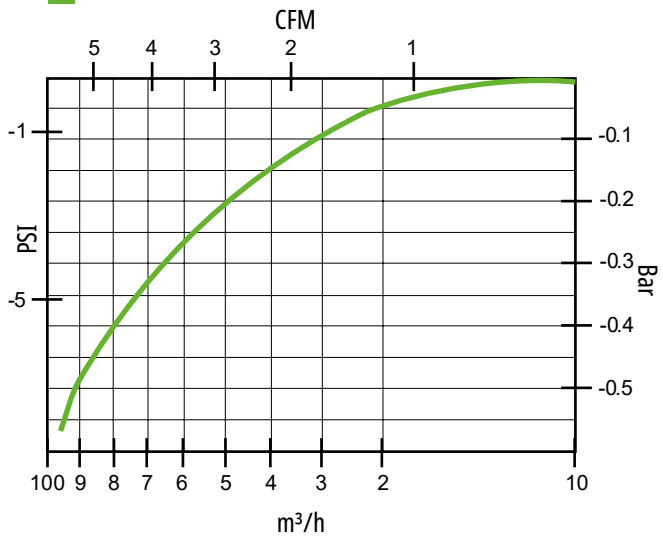


Air Inlet

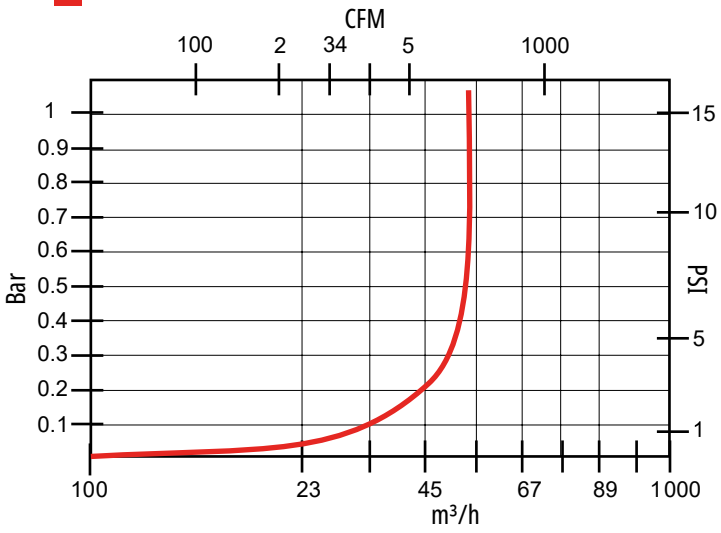


2” Single-Effect (Kinetic) Air Valve

Air Inlet

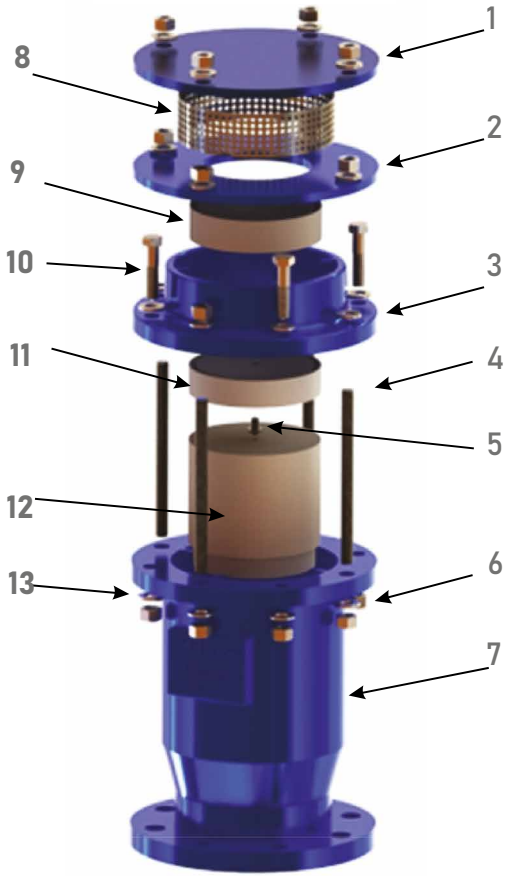


Air Ventilation

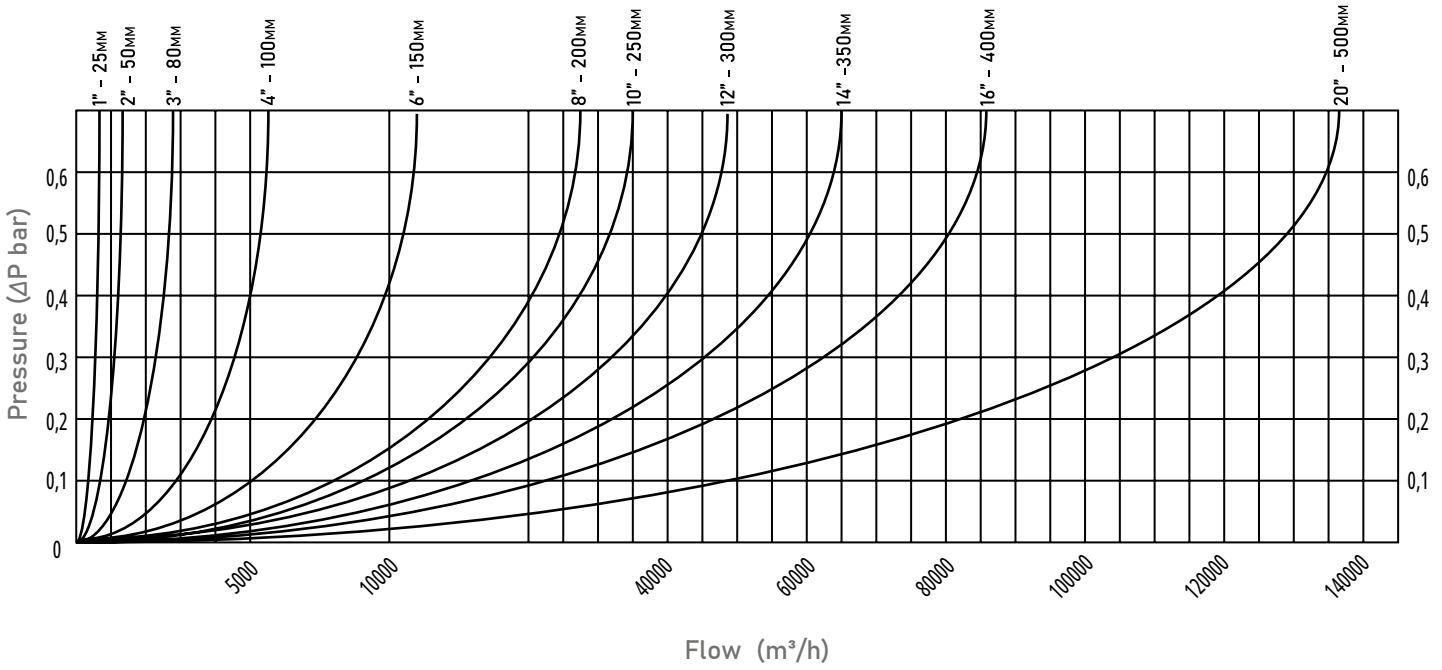


Main Components

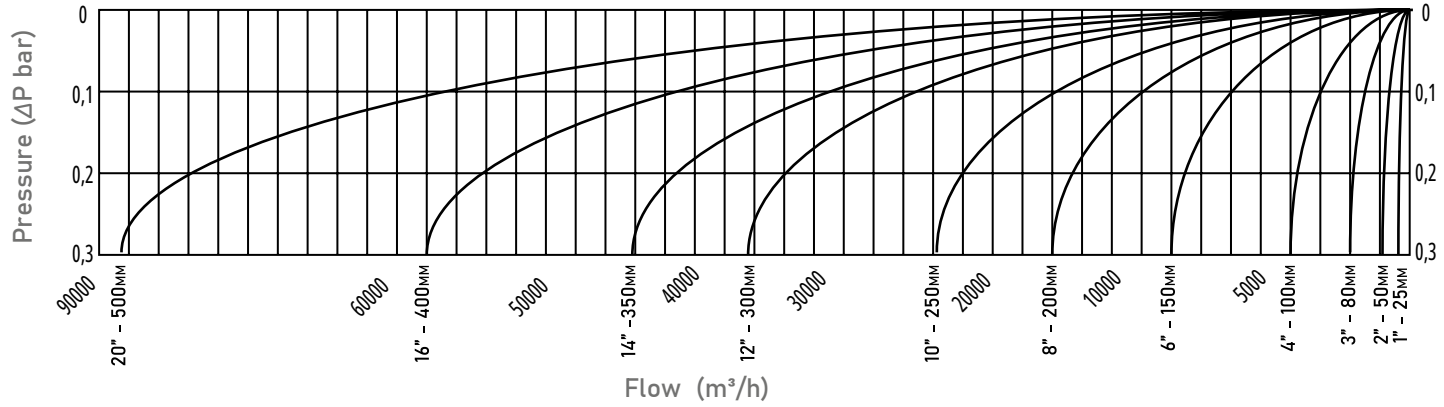
#	Material Name	Material Type
1	Top Cover	ST-37
2	Bottom Sheet	ST-37
3	Upper Body	GGG40
4	Stud	8.8 Stainless Steel
5	Valve	Stainless Steel
6	Nut	8.8 Stainless Steel
7	Body	GGG40
8	Filter	Stainless Steel
9	3rd Float	HDPE
10	Bolt	8.8 Stainless Steel
11	2nd Float	HDPE
12	1st Float	HDPE
13	Washer	Stainless Steel



Nominal Air Discharge Capacity of the Shock-Free Dynamic Air Discharge Valve



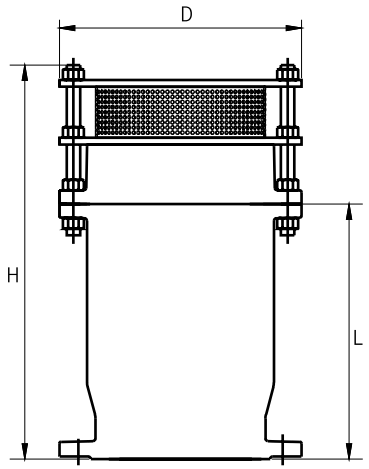
Nominal Air Intake Capacity of the Shock-Free Dynamic Air Release Valve



Dimensions and Weights

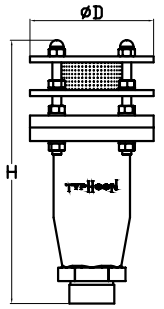
Flanged

DN		D		L		H		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg
2	50	6,50	165	8,11	206	12,91	328	32,30	14,650
2½	65	7,28	185	8,11	206	12,91	328	33,00	14,950
3	80	7,87	200	9,45	240	14,88	378	47,40	21,500
4	100	8,66	220	10,24	260	15,75	400	57,20	25,950
6	150	11,22	285	11,81	300	17,68	449	100,50	45,600
8	200	13,39	340	11,81	300	18,03	458	132,60	60,150
10	250	15,95	405	17,91	455	24,88	632	271,20	123,000
12	300	18,11	460	18,70	475	25,20	640	436,80	198,150



Threaded

DN		D		H		Weight	
inch	mm	inch	mm	inch	mm	lbs	kg
1"	25	4,50	115	10,16	258	12,10	5,50
1½"	40	4,50	115	10,16	258	13,23	6,00
2"	50	6,50	165	13,80	350	27,60	12,50

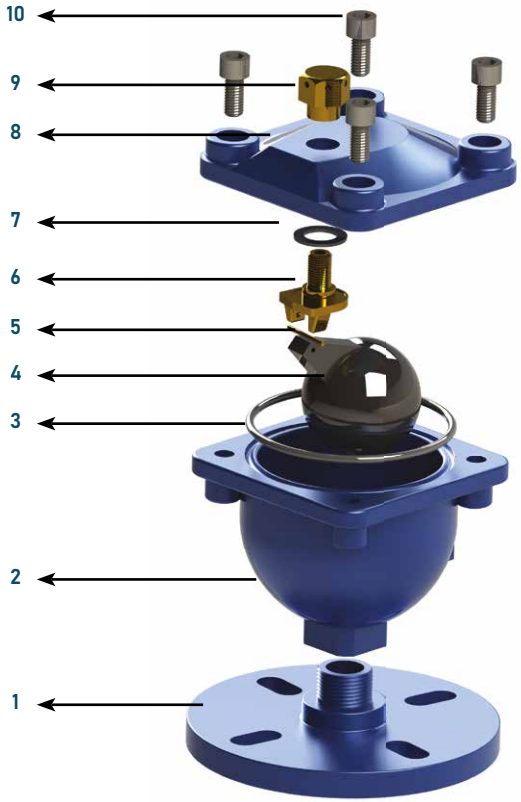


Technical Specifications

1" Single Chamber and Single Function Air Valve

Main Components

#	Material Name	Material Type
1	Flanged	GGG40
2	Body	GGG40
3	O-Ring	NBR
4	Floater Ball	HDPE
5	Floater Pin	Brass
6	Orifice	Brass
7	Sealing Rubber	EPDM
8	Cover	GGG40
9	Orifice Cover	Brass
10	Bolt	Stainless Steel



Dimensions and Weights

Measurement (inch - DN)		D		H		Weight
		inch	mm	inch	mm	kg
1"	Threaded	5,59	142	6,456	164,0	6,38
DN40	Flanged	5,91	150	7,697	195,5	7,00
DN50	Flanged	6,50	165	7,697	195,5	7,50
DN65	Flanged	7,28	185	7,697	195,5	9,70
DN80	Flanged	7,87	200	7,697	195,5	10,00
DN100	Flanged	8,66	220	7,697	195,5	11,00
DN150	Flanged	11,22	285	7,697	195,5	13,00

Technical Specifications

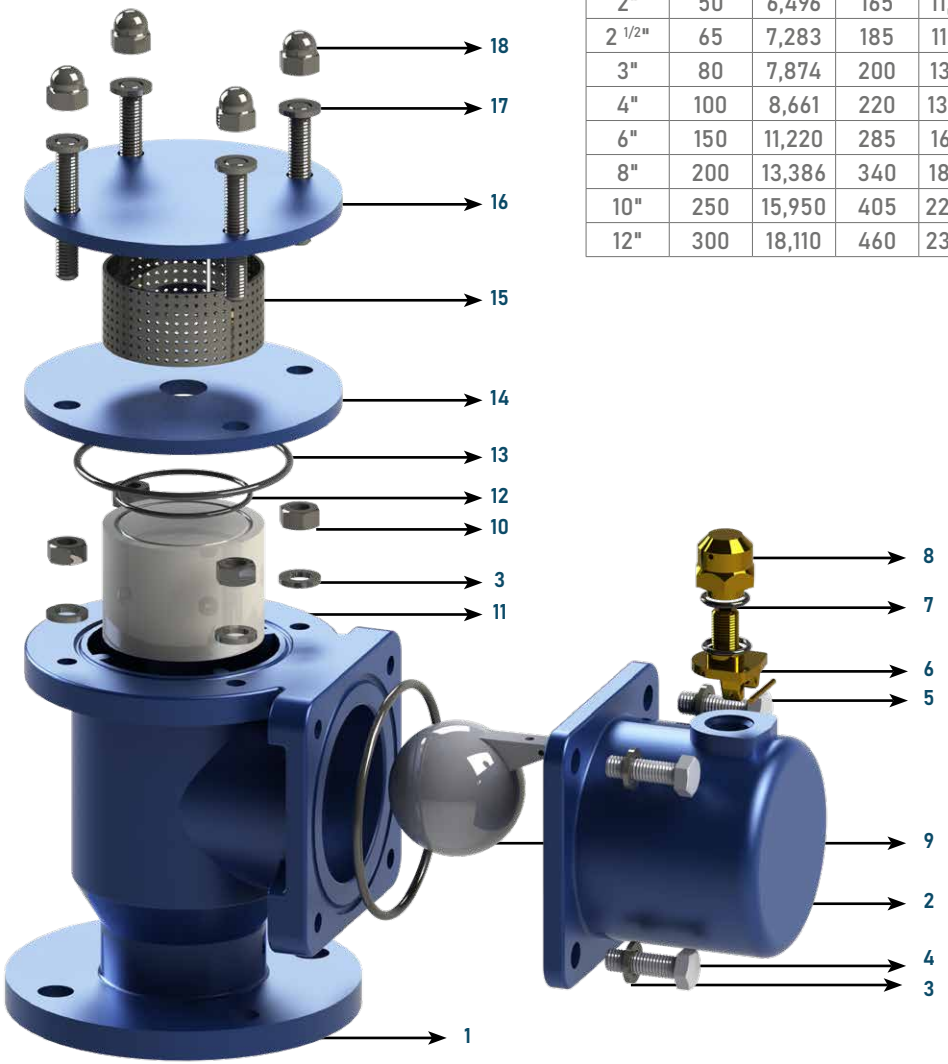
Double Chamber Air Release Valve

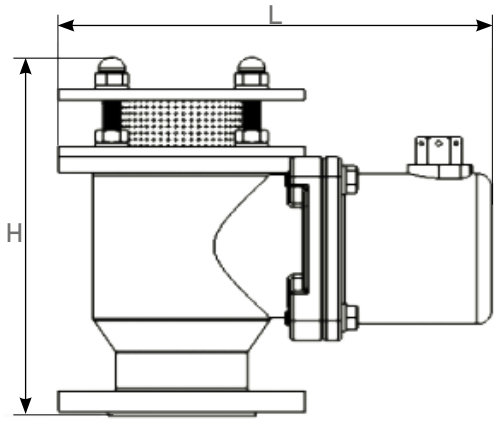
Dimensions and Weights

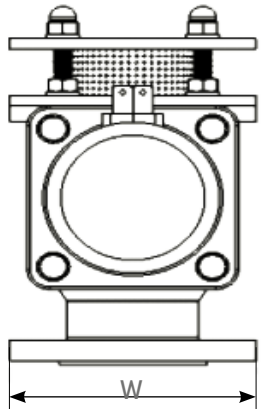
DN		W		L		H		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	lbs	Kg
2"	50	6,496	165	11,378	289	11,06	281	31,90	14,5
2 1/2"	65	7,283	185	11,772	299	11,06	281	33,44	15,2
3"	80	7,874	200	13,150	334	13,31	338	57,64	26,2
4"	100	8,661	220	13,543	344	13,31	338	60,72	27,6
6"	150	11,220	285	16,102	409	15,20	386	83,60	38,0
8"	200	13,386	340	18,267	464	15,20	386	121,00	55,0
10"	250	15,950	405	22,440	570	26,97	685	286,60	130,0
12"	300	18,110	460	23,820	605	23,23	590	440,90	200,0

Main Components

#	Material Name	Material Type
1	Body	GGG40
2	Side Cover	GGG40
3	Washer	Stainless Steel
4	Nut	Stainless Steel
5	Floator Pin	Brass
6	Orifice	Brass
7	Sealing Element	EPDM
8	Orifice Cover	Brass
9	Floator Ball	PE-ABS-PC
10	Nut	Stainless Steel
11	Floator	Polyethylene 6
12	O-Ring	NBR
13	O-Ring	NBR
14	Bottom Sheet	ST37
15	Filter	AIS 302
16	Top Sheet	ST37
17	Drop Bolt	Stainless Steel
18	Blind Nut	Stainless Steel



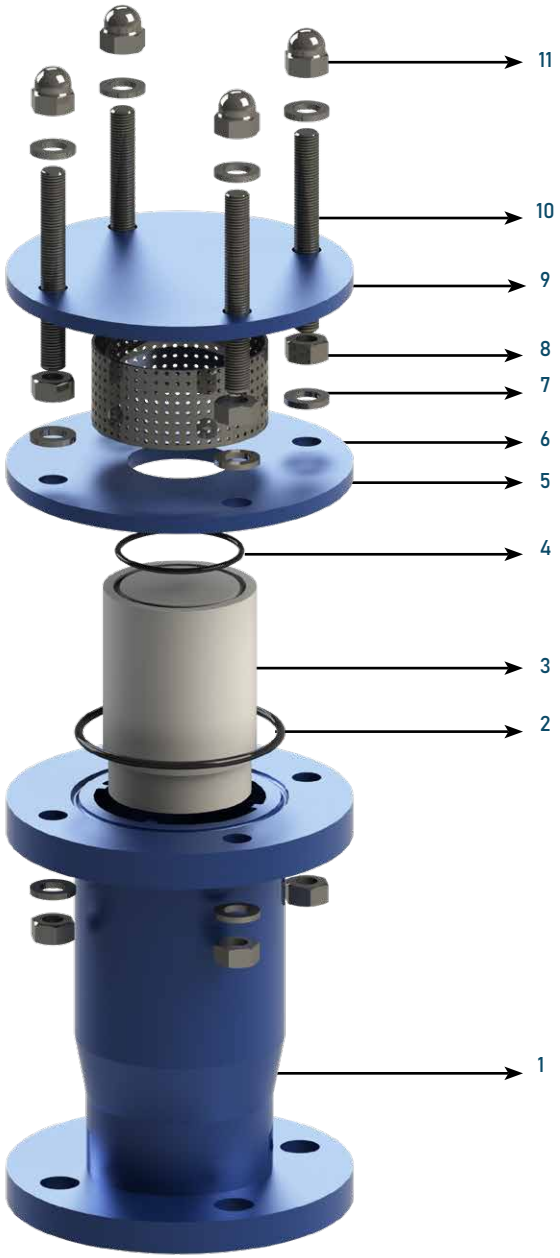




Technical Specifications

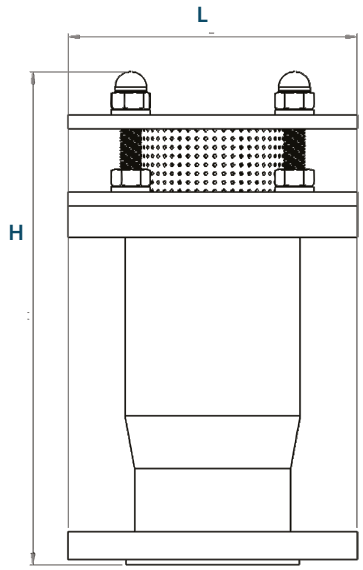
Main Components

#	Material Name	Material Type
1	Body	GGG40
2	O-Ring	NBR
3	Floater	Polyethylene
4	O-Ring	NBR
5	Bottom Sheet	ST37
6	Filter	Stainless Steel
7	Washer	Stainless Steel
8	Nut	Stainless Steel
9	Top Sheet	ST37
10	Stud	Stainless Steel
11	Blind Nut	Stainless Steel

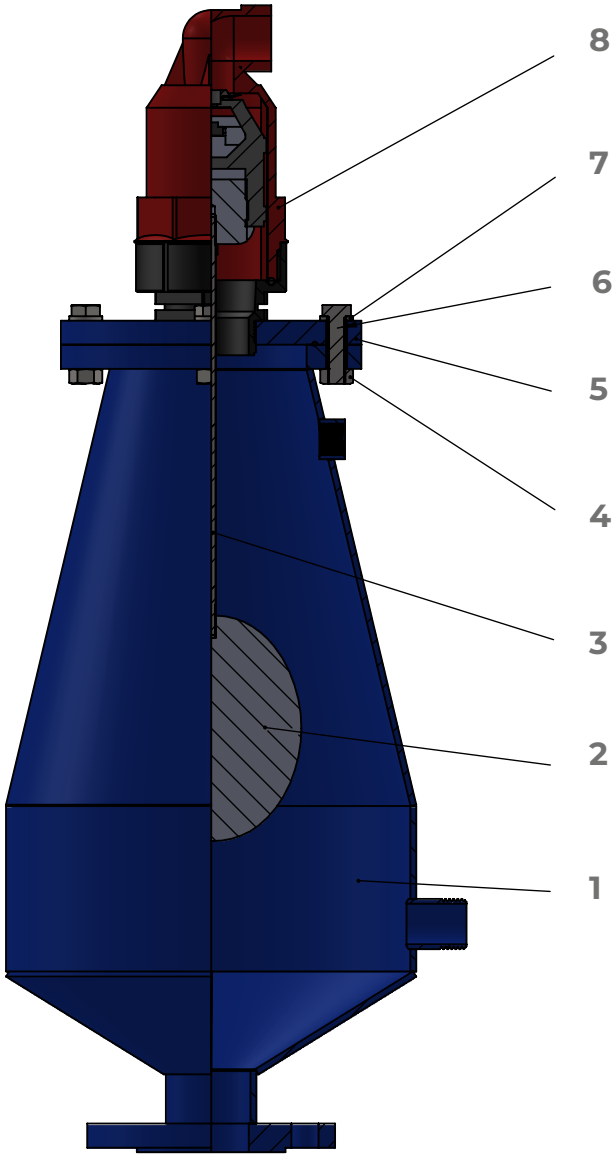


Dimensions and Weights

Measurement (inch-DN)			L		H		Weight
inch	DN	Connection	inch	mm	inch	mm	kg
2	50	Flanged	6,496	165	110,83	281,5	11
2½	60	Flanged	7,283	185	11,122	282,5	12
3	80	Flanged	7,784	200	12,460	316,5	17
4	100	Flanged	8,661	220	13,327	338,5	20
6	150	Flanged	11,220	285	15,216	386,5	35
8	200	Flanged	13,386	340	15,216	386,5	46
10"	250	Flanged	17,52	445	26,97	685	120
12"	300	Flanged	20,55	522	23,23	590	190



Technical Specifications

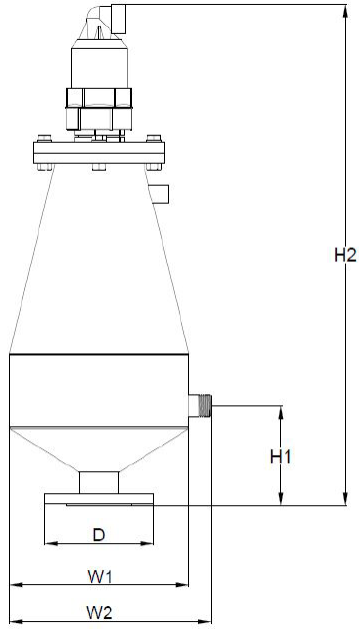


Dimensions and Weights

Measurement inch /DN	D		W1		W2		H1		H2		Weight	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg
DN50	6,50	165	10,75	273	12,05	306	5,94	151	30,04	763	45,41	20,60
DN80	7,87	200	10,75	273	12,05	306	5,94	151	30,04	763	47,61	21,60
DN100	8,66	220	10,75	273	12,05	306	5,94	151	30,04	763	48,94	22,20
DN150	11,22	285	10,75	273	12,05	306	5,94	151	30,04	763	56,22	25,50
DN200	13,39	340	10,75	273	12,05	306	5,94	151	30,04	763	61,73	28,00

Main Components

#	Material Name	Material Type
1	Body	ST 37
2	Waste Water Air Va lve Body	Stainless Steel
3	Shaft	Stainless Steel
4	Nut	8.8 Coated Steel
5	Cover	ST37
6	Bolt	8.8 Coated Steel
7	Washer	8.8 Coated Steel
8	2" Double-Action Air Valve	Plastic

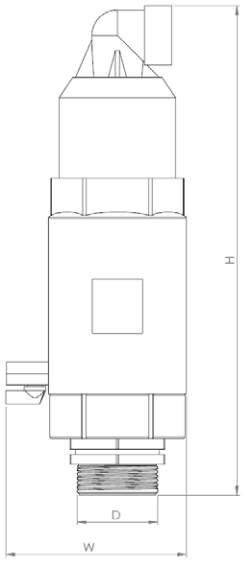


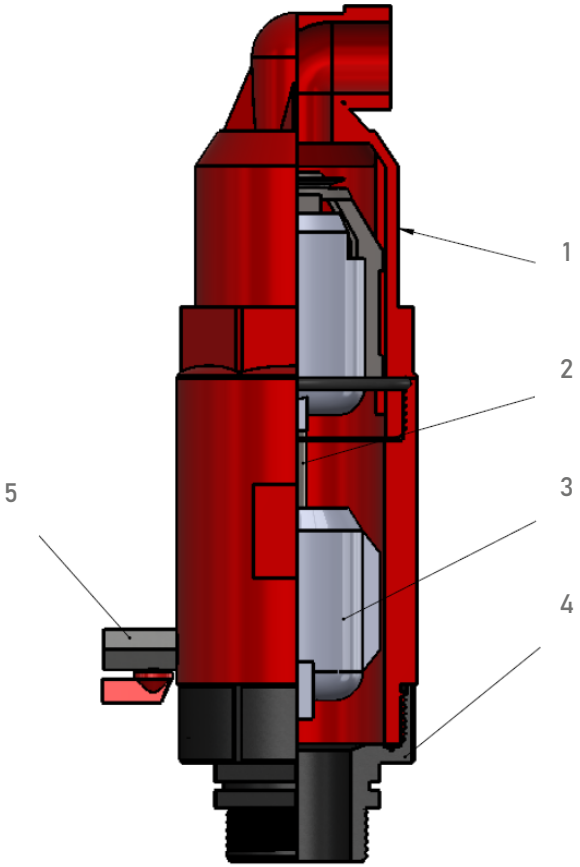
Main Components

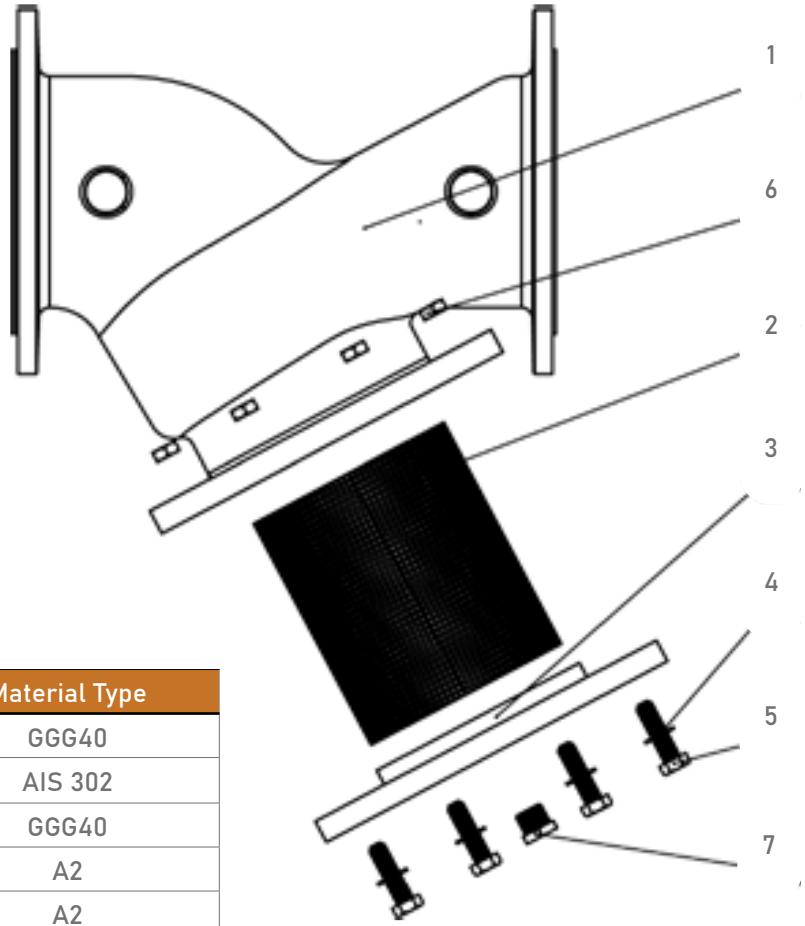
#	Material Name	Material Type
1	Plastic Combination / Automatic Air Release Valve	Plastic
2	Stem	Stainless Steel
3	Float Valve	Polypropylene
4	Cover	GRP
5	Mini Ball Valve	Galvanized

Dimensions

Model	D (mm)		W (mm)		H (mm)	
	inch	mm	inch	mm	inch	mm
2" Combination (3 Functions)	2"	50	5,12	130	14,17	360
2" Automatic (2 Functions)	2"	50	5,12	130	9,84	250





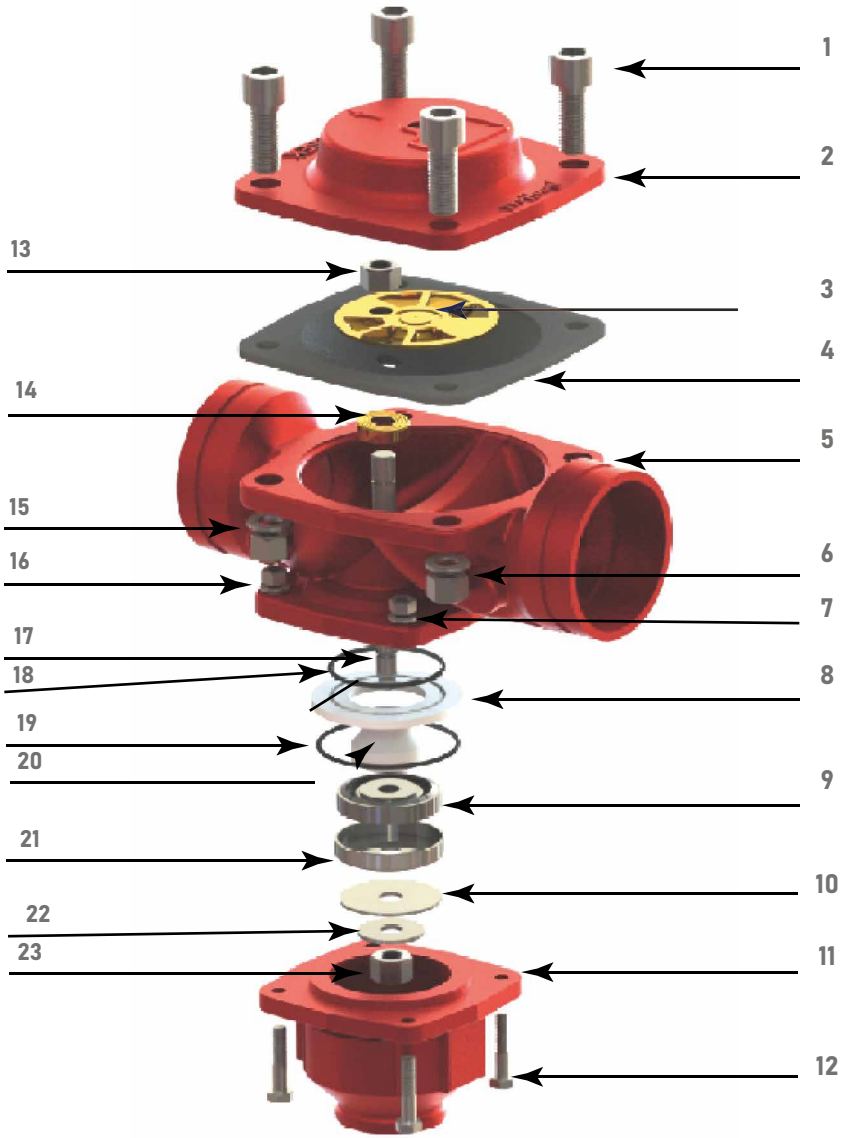


Main Components

#	Material Name	Material Type
1	Body	GGG40
2	Filter	AIS 302
3	Cover	GGG40
4	Washer	A2
5	Bolt	A2
6	Nut	A2
7	Blind Plug	A2

Main Components

#	Material Name	Material Type
1	Bolt	8.8 Coated Steel
2	Cover	GG25 - GGG40
3	Diaphragm Mounting	Brass
4	Diaphragm	Natural Rubber
5	Body	GG25 - GGG40
6	Nut	8.8 Coated Steel
7	Nut	8.8 Coated Steel
8	Disc	HDPE
9	Rubber	EPDM
10	Washer (A)	HDPE
11	Bottom Cover	GG25-GGG40
12	Bolt	8.8 Coated Steel
13	Nut	8.8 Coated Steel
14	Washer	Brass
15	Washer	Coated Steel
16	Washer	Coated Steel
17	Shaft	Coated Steel
18	O-Ring	NBR
19	O-Ring	NBR
20	Shaft Mounting	HDPE
21	Cup	Stainless Steel
22	Washer (B)	Stainless Steel
23	Nut	8.8 Coated Steel

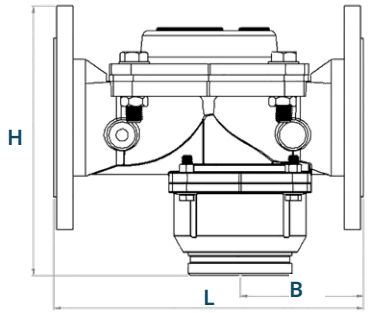


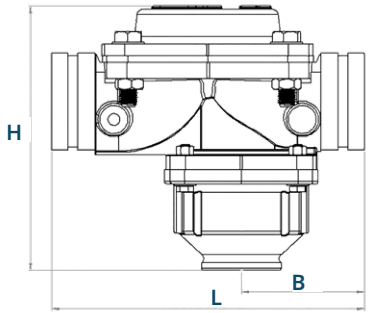
Technical Specifications

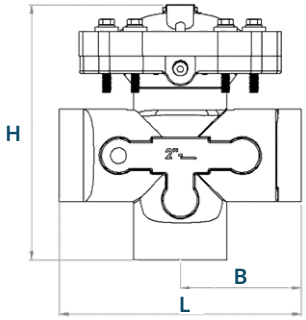
Casting Back Flushing Control Valves

Dimensions and Weights

Model	H		B		L		Weight	
	inch	mm	inch	mm	inch	mm	lbs	kg
Victaulic 3x2	9,68	246	4,49	114	11,42	290	35,16	15,95
Victaulic 4x3	9,68	246	5,04	128	12,48	317	33,44	17,25
Flanged 3x2	9,68	246	4,49	114	11,42	290	57,64	22,45
Flanged 4x3	9,68	246	5,04	128	12,48	317	60,72	25,00
Victaulic-Threaded 2x2	7,48	190	3,54	90	7,08	180	83,6	3,80







Working Pressure Range

Standard model : 0.7 - 10 bar / 10 - 150 psi

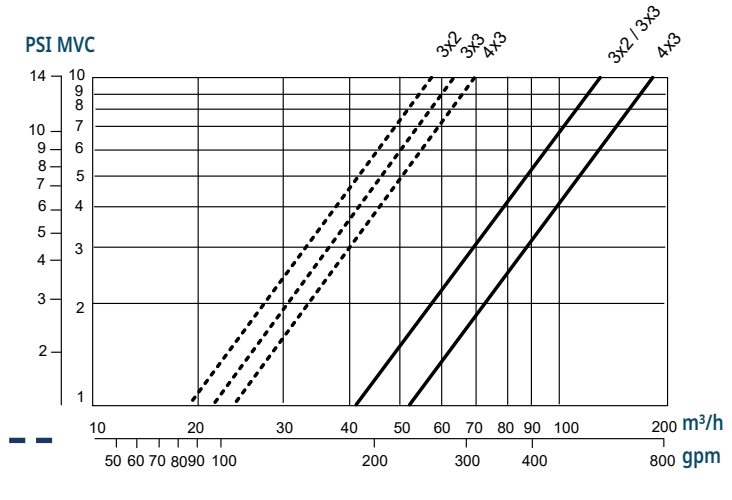
High Pressure Model : 1 - 16 bar / 15 - 250 psi

Maximum operating temperature : 60°C (140°F)

Hydraulic Performance

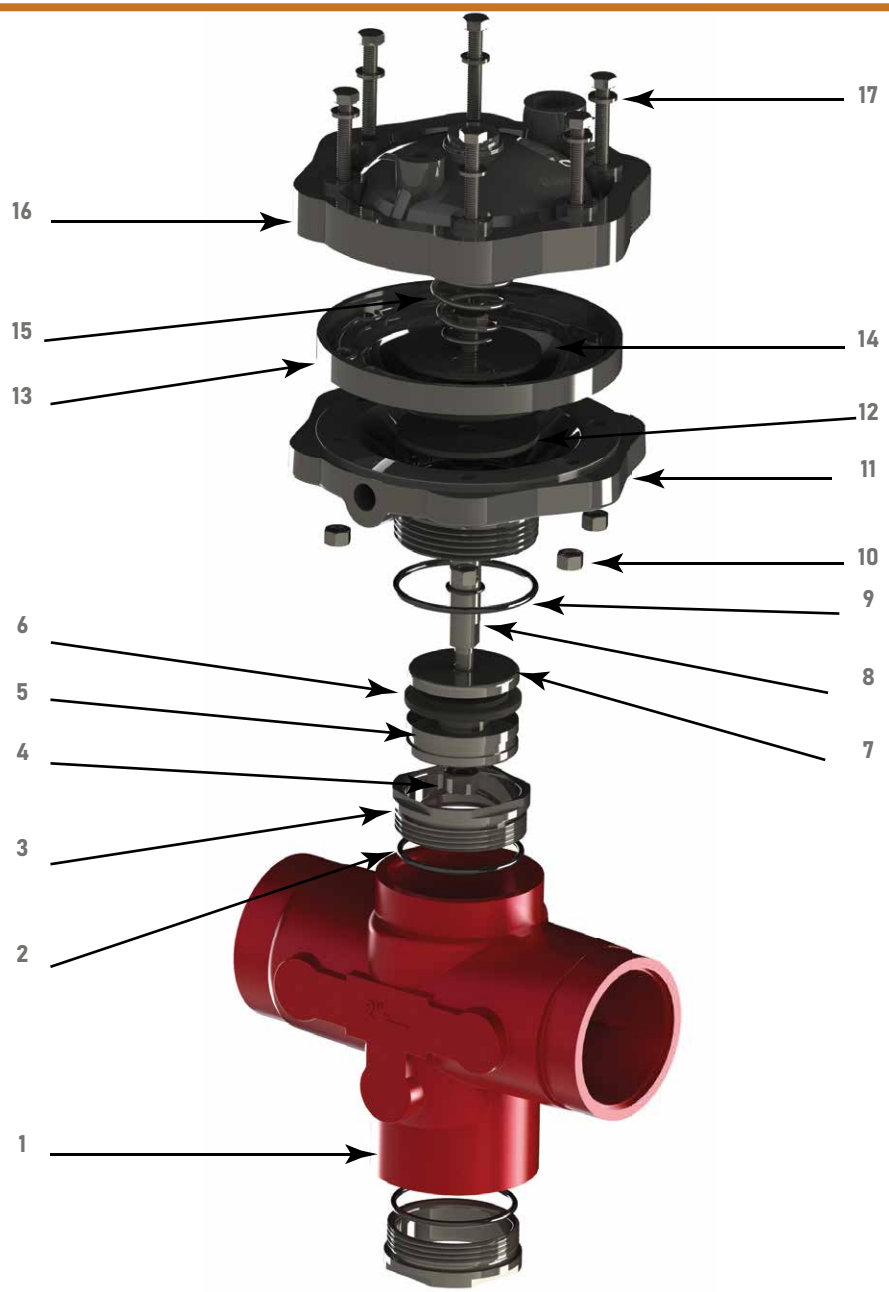
Measurement		3x2	4x3
In filtration mode recommended maximum flow	m^3/h	90	160
	gpm	400	705
Rear wash mode Recommended max. flow	m^3/h	40	90
	gpm	180	400
In filtering mode flow rate factor	Kv (metric)	130	160
	Cv (US)	150	185
Backwash mode Flow rate factor	Kv (metric)	58	70
	Cv (US)	67	81

Pressure Loss Table



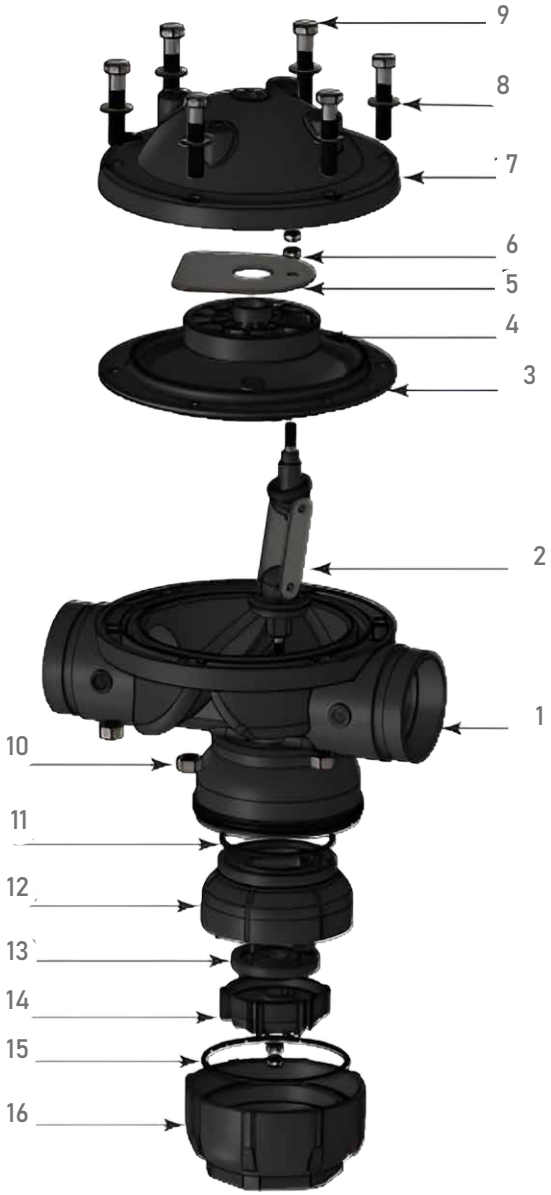
Main Components

#	Material Name	Material Type
1	Body	GGG40
2	O-Ring	NBR
3	Bushing	Stainless Steel
4	Nut	8.8 Coated Steel
5	Lower Cup	Stainless Steel
6	Rubber	EPDM
7	Upper Cup	Stainless Steel
8	Shaft	Stainless Steel
9	O-Ring	NBR
10	Nut	8.8 Coated Steel
11	Lower Cover	Glass Reinforced Polyamide
12	O-Ring	NBR
13	Diaphragm	Natural Rubber
14	Diaphragm Discs	Stainless Steel
15	Spring	Stainless Steel
16	Cover	Glass Reinforced Polyamide
17	Washer	8.8 Coated Steel
18	Bolt	8.8 Coated Steel

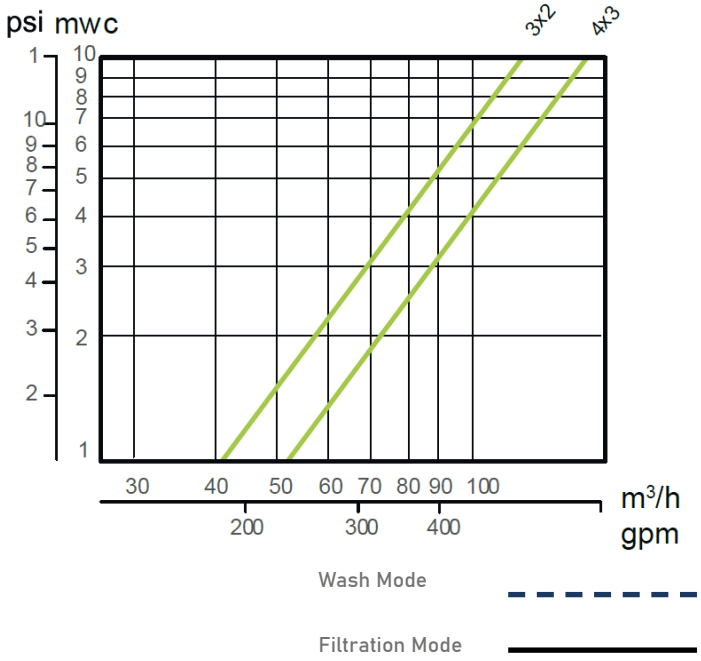


Main Components

#	Material Name	Material Type
1	Body	Glass Reinforced Polyamide
2	Joint	Stainless Steel
3	Diaphragm	Natural Rubber
4	Diaphragm Support	Glass Reinforced Polyamide
5	Diaphragm Support Plate	Stainless Steel
6	Nut	8.8 Coated Steel
7	Cover	Glass Reinforced Polyamide
8	Washer	8.8 Coated Steel
9	Bolt	8.8 Coated Steel
10	Nut	8.8 Coated Steel
11	O-Ring	NBR
12	Lower Cup	Glass Reinforced Polyamide
13	Rubber Seal	EPDM
14	Upper Cup	Glass Reinforced Polyamide
15	O-Ring	NBR
16	Adapter	Glass Reinforced Polyamide



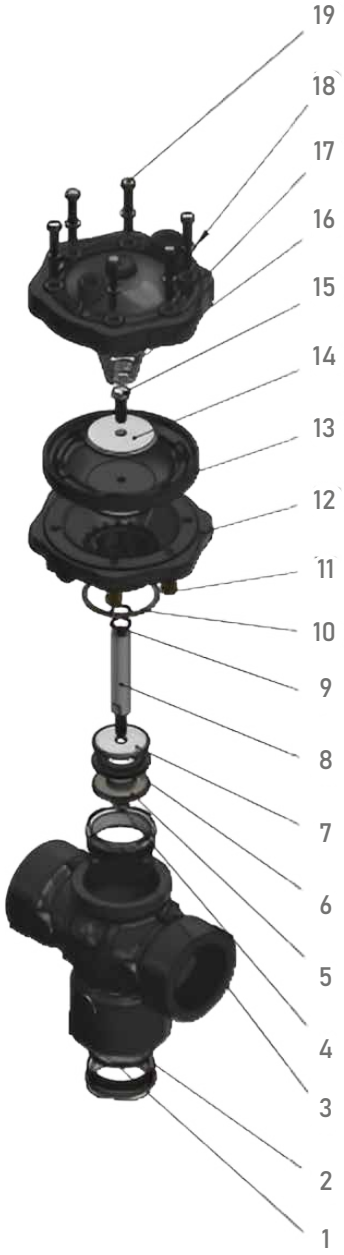
Pressure Loss Table



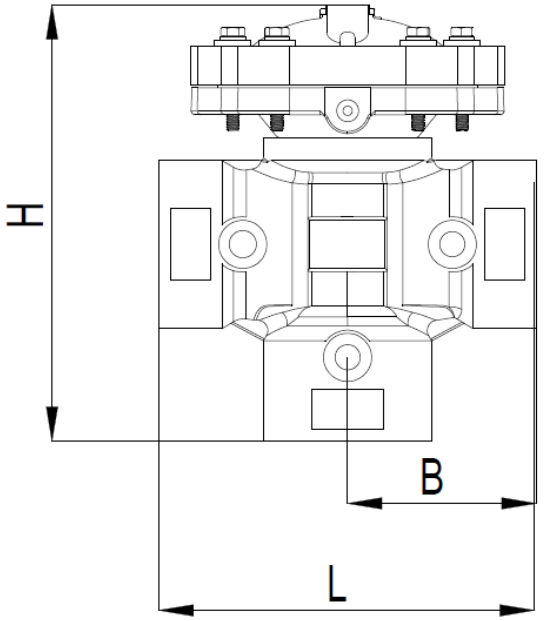
Technical Specifications

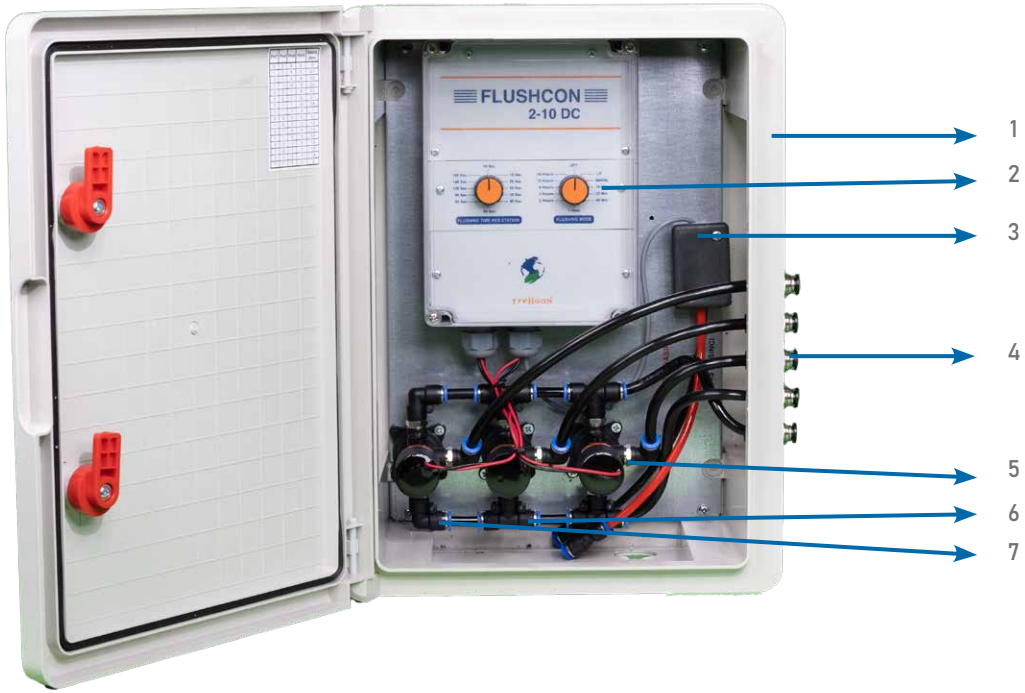
Main Components

#	Material Name	Material Type
1	Body	Glass Reinforced Polyamide
2	Bushing O-Ring	NBR
3	Bushing	Stainless Steel
4	Nut	Stainless Steel
5	Lower Cup	HDPE
6	Sealing Rubber	EPDM
7	Upper Cup	HDPE
8	Shaft	Stainless Steel
9	Shaft - O-Ring	NBR
10	Cover - O-Ring	NBR
11	Nut	Brass
12	Lower Cover	GRP
13	Diaphragm	Natural Rubber
14	Diaphragm Support	Stainless Steel
15	Shaft Bolt	Stainless Steel
16	Spring	SST 302
17	Cover	GRP
18	Washer	Stainless Steel
19	Bolt	Stainless Steel



Model	H		B		L		Weight	
	inch	mm	inch	mm	inch	mm	lbs	kg
2x2 Threaded	8,15	207	3,5	89	7	178	4,41	2
2x2 Victaulic	8,15	207	5,04	128	10,07	256	4,63	2,1



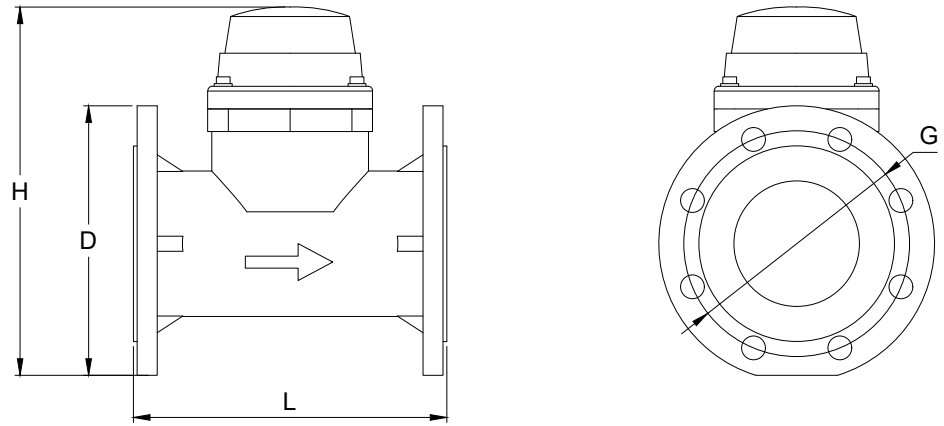


Main Components

#	Material Name	Description
1	Protection Board	Plastic
2	Control Panel	24VAC input / 12VDC input, clamp-on power
3	Pressure Differential Device	24VAC input / 12VDC input, clamp-on power
4	Nipple Adapter	1/4" / 1/4" hose connection
5	Solenoid Valve	AC/DC power, 1/8" female
6	T-Joint	1/8" male / 8mm hose connection
7	Elbow Joint	1/8" male / 8mm hose connection

Dimensions

Measurement	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
L	200	200	225	250	250	300	350	450	500
H	250	260	284	296	324	354	401	459	511
D	165	185	200	220	250	285	340	405	460
G	125	145	160	180	210	240	295	355	410
nXM	4xM10	4xM10	8xM10	8xM10	8xM10	8xM10	12xM10	12xM10	12xM10
Weight (Kg)	10,7	11,8	13,3	18,5	22,4	26,8	38,2	55,8	69,0



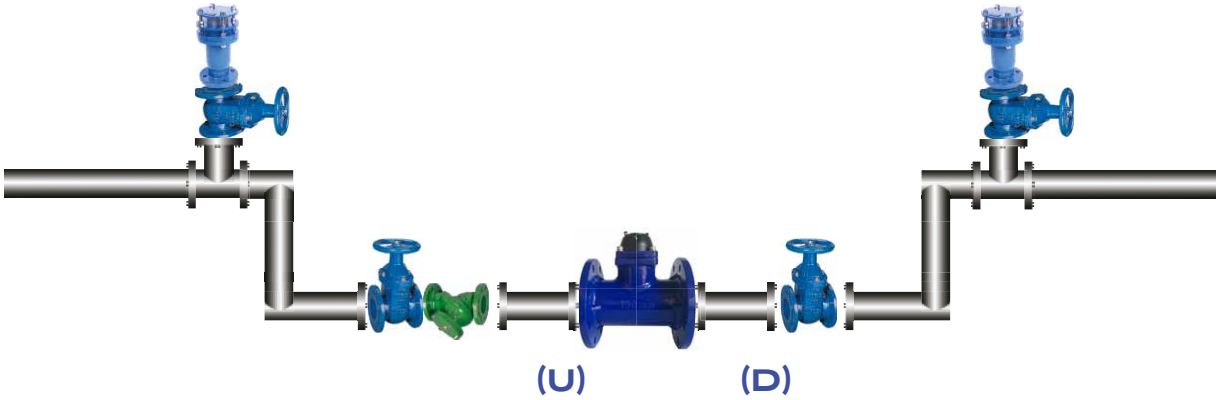
Technical Specifications

Nominal Diameter	DN	mm	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
	Size	inch	2"	2½"	3"	4"	5"	6"	8"	10"	12"
Maximum Flow Rate	Q4		≤78,8	≤78,8	≤125	≤200	≤313	≤500	≤788	≤1250	≤2000
Continuous Flow Rate	Q3		≤63	≤63	≤100	≤160	≤250	≤400	≤630	≤1000	≤1600
Transition Flow	Q2		≥2,52	≥2,52	≥4,0	≥6,40	≥10	≥16,0	≥25,2	≥40,0	≥64,0
Minimum Flow Rate	Q1		≥1,57	≥1,57	≥2,50	≥4,00	≥6,25	≥10,00	≥15,7	≥25,0	≥40,0
Measuring Range (R)	Q3 / Q1		≤40								
Transition Flow Rate	Q2 / Q1		1,6								
Overload Flow	Q4 / Q3		1,25								
Accuracy Class	-		±5%								
Acceptable Error Rate at Low Flow	(MPE_l)		Water temperature 30°C se ± %2 Water temperature> 30°C se ± %3								
Acceptable Error Rate at High Flow	(MPE_u)		T30 & T50								
Temperature Class	T		MAP16								
Water Pressure Class	Bar		ΔP 10								
Pressure Loss Class	-		ΔP 25	ΔP 10							
Reading Range	m3		999,999					9,999,999			
Read Meter Resolution	m3		0,001					0,01			
Flow Profile Accuracy Class	-		U10D5								
Connection Style	-		H (Horizontal)								
Horizontal Length of Meter	mm		200	200	225	250	250	300	350	450	500
Reed Switch Power Supply	U_{max} / I_{max}		max 24V / 0,01A								
Reed Switch K-Factor	impulse / L		0,001 & 0,0001								

Assembly Table

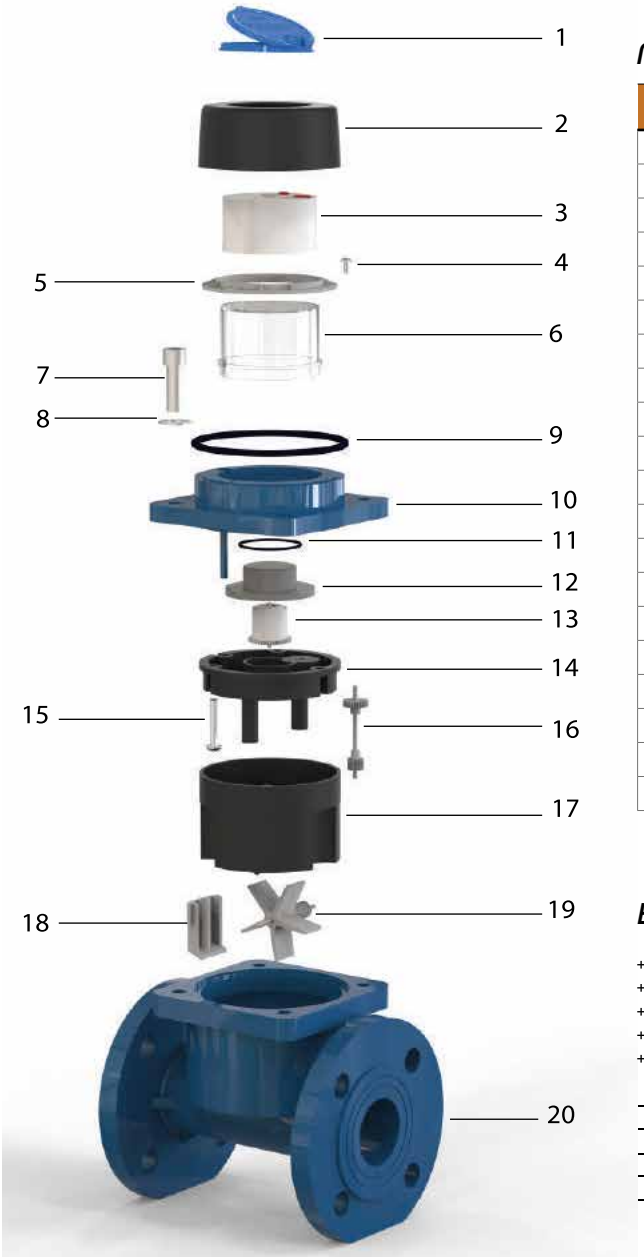
Inlet Valve Pipe Diameter (mm)	Inlet Valve Diameter (mm)	Filter Diameter (mm)	Meter Inlet Pipe Diameter (mm)	Meter Inlet Pipe Length (U) 10xDN (mm)	Diameter (mm)	Meter Outlet Pipe Diameter (mm)	Meter Inlet Pipe Length (D) 5xDN (mm)	Outlet Valve Diameter (mm)
50	50	50	50	500	50	50	250	50
65	65	65	65	650	65	65	325	65
80	80	80	80	800	80	80	400	80
100	100	100	100	1000	100	100	500	100
125	125	125	125	1250	125	125	325	125
150	150	150	150	1500	150	150	750	150
200	200	200	200	2000	200	200	1000	200
250	252	250	250	2500	250	250	1250	250
300	300	300	300	3000	300	300	1500	300

Meter Application Example For 50-300 mm



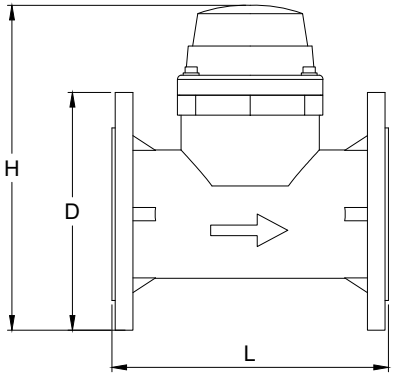
Technical Specifications

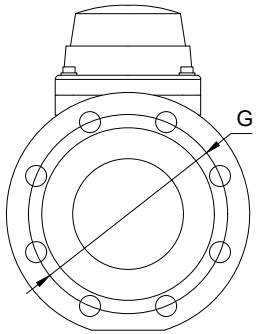
Agricultural Woltman Type Water Meter - Casting



Main Components

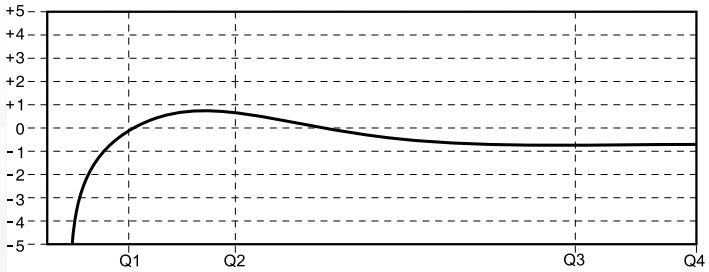
	Material Name
1	Cover
2	Retaining Ring
3	Mechanism and Indicator
4	Pivot
5	Plate
6	Glass Cover
7	Screw
8	Gasket
9	O-Ring
10	Flange Cover GGG40 Ductile Iron
11	O-Ring-2
12	Threaded Plate
13	Threaded Impeller
14	Upper Support
15	Screw
16	Mechanical Transmission
17	Lower Support
18	Regulation Shaft
19	Impeller
20	Body GGG40 Ductile Iron





Size	DN50	DN65	DN80	DN100
L	200	200	225	250
H	250	260	284	296
D	165	185	200	220
G	125	145	160	180
nXM	4xM10	4xM10	8xM10	8xM10

Error Chart

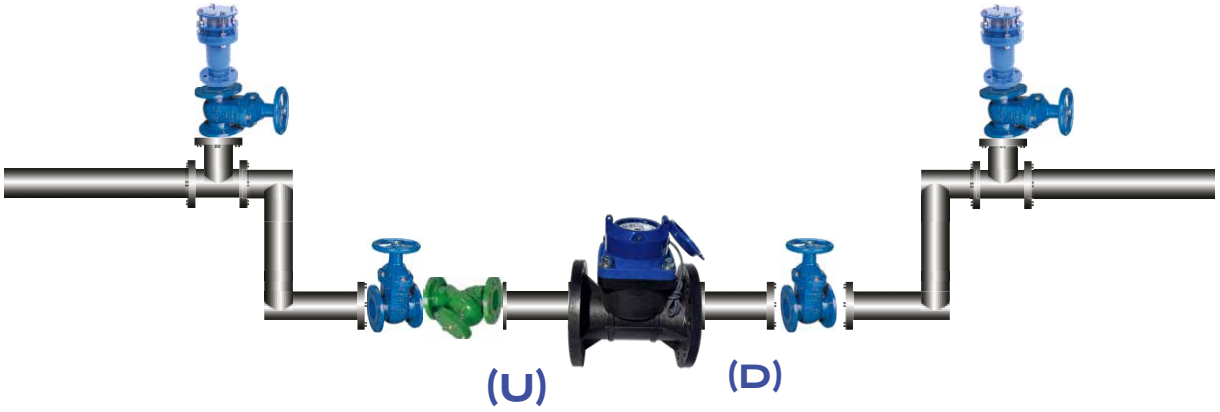


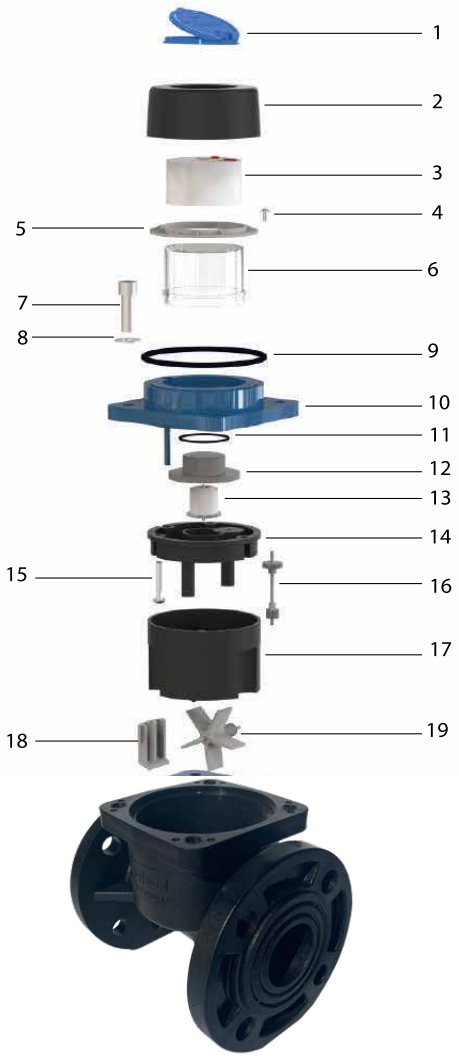
Teknik Özellikler

Nominal Diameter	DN	mm	DN50	DN65	DN80	DN100					
	Size	inch	2"	2½"	3"	4"					
Maximum Flow Rate	Q4		≤78,8	≤78,8	≤125	≤200					
Continuous Flow Rate	Q3		≤63	≤63	≤100	≤160					
Transition Flow	Q2		≥2,52	≥2,52	≥4,0	≥6,40					
Minimum Flow Rate	Q1		≥1,57	≥1,57	≥2,50	≥4,00					
Measuring Range (R)	Q3 / Q1		≤40								
Transition Flow Rate	Q2 / Q1		1,6								
Overload Flow	Q4 / Q3		1,25								
Accuracy Class	-		±5%								
Acceptable Error Rate at Low Flow	(MPE_l)		Water temperature 30°C se ± %2 Water temperature> 30°C se ± %3								
Acceptable Error Rate at High Flow	(MPE_u)		T30 & T50								
Temperature Class	T		MAP16								
Water Pressure Class	Bar		ΔP 10								
Pressure Loss Class	-		ΔP 25	ΔP 10							
Reading Range	m3		999,999				9,999,999				
Read Meter Resolution	m3		0,001				0,01				
Flow Profile Accuracy Class	-		U10D5								
Connection Style	-		H (Horizontal)								
Horizontal Length of Meter	mm		200	200	225	250	250	300	350	450	500
Reed Switch Power Supply	U_{max} / I_{max}		max 24V / 0,01A								
Reed Switch K-Factor	impulse / L		0,001 & 0,0001								

Inlet Valve Pipe Diameter (mm)	Inlet Valve Diameter (mm)	Filter Diameter (mm)	Meter Inlet Pipe Diameter (mm)	Meter Inlet Pipe Length (U) 10xDN (mm)	Diameter (mm)	Meter Outlet Pipe Diameter (mm)	Meter Inlet Pipe Length (D) 5xDN (mm)	Outlet Valve Diameter (mm)
50	50	50	50	500	50	50	250	50
65	65	65	65	650	65	65	325	65
80	80	80	80	800	80	80	400	80
100	100	100	100	1000	100	100	500	100

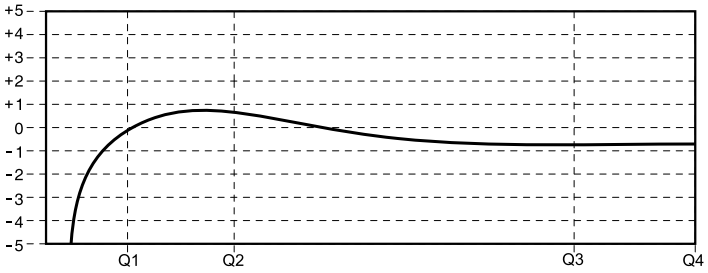
Meter Application Example For DN50 - DN100





PARTS	
1	Cover
2	Holding Ring
3	Mechanism and Indicator
4	Pivot
5	Plate
6	Glass Cover
7	Screw
8	Gasket
9	O-Ring
10	Flange Cover: Composite Fiberglass Polyamide
11	O-Ring-2
12	Threaded Plate
13	Threaded Impeller
14	Upper Support
15	Screw
16	Mechanical Transmission
17	Lower Support
18	Regulation Shaft
19	Impeller
20	Body: Composite Fiberglass Polyamide

Error Chart



Certificates

CERTIFICATE

CERTIFICATE OF CONFORMITY

Manufacturer / Üretici
TAYFUR SU SİSTEMLERİ MAKİNE MÜHENDİSLİK SANAYİ VE TİCARET ANONİM ŞİRKETİ

Address / Adres
KEMALPAŞA OSB MAHALLESİ KUZEY SANAYİ CAD. NO:13 KEMALPAŞA / İZMİR / TÜRKİYE

Product Description / Ürün Tanımı
FILTER BACKWASH CONTROL DEVICES / FİLTRE TERS YIKAMA KONTROL CİHAZLARI

Product Types / Ürün Tipleri
AC Tip – 1-2-3 Dahili DP
DC Tip – 1-2-3 Dahili DP
AC Tip – 2-4-6 DP Hariç
DC Tip – 2-4-6 DP Hariç
AC Tip – 2/10 DP Hariç
DC Tip – 2/10 DP Hariç (2 Kablolu)
Basınç Farkı Cihazı (DP)

Product Brand / Ürünün Markası
FLUSHCON

Directives and Regulations / Direktif ve Yönetmelikler
2006/42/EC Machinery Safety Directive / 2006/42/AT Makine Emniyet Direktifi
2014/35/EC Low Voltage Directive / 2014/35/AT Alçak Gerilim Yönetmeliği

Harmonized Standards / Harmonize Standartlar
EN ISO 12100:2010, EN 60204-1:2018

It has been accepted by the company that the applicable requirements of the 2006/42/EC Machinery Safety Directive have been fulfilled and its responsibility has been taken for the products defined above. The products defined above have been checked by internal production controls carried out by the organization. If there is a change in the product, this declaration will not be accepted and will lose its validity.

Yukarıda tanımları verilmiş olan ürünlerin için Makine Emniyet Direktifinin uygulanabilen gerekliliklerinin yerine getirildiği ve sorumluluğunun alınmış olduğu firma tarafından kabul edilmiştir. Yukarıda tanımları verilmiş olan ürünler, iç üretim kontrollerinin kuruluş tarafından yapıldığı kontrol edilmiştir. Üründe bir değişiklik olduğu takdirde bu beyan kabul edilmeyecek ve geçerliliğini yitirecektir.

Certificate First Issue Date : 16.02.2023
Certificate Validity Date : 07.02.2025
Certification Expiry Date : 16.02.2026

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SERTİFİKA
(CERTIFICATE)

Bu Sertifika (this Certificate),
TAYFUR SU SİSTEMLERİ MAKİNE MÜHENDİSLİK SANAYİ VE TİCARET ANONİM ŞİRKETİ
Kemalpaşa Osb Mahallesi Kuzey Sanayi Caddesi No:13 Kemalpaşa / İzmir / Türkiye
Kuruluşunun (the organization),

DÖKÜM HİDROLİK KONTROL VANALARI , PLASTİK HİDROLİK KONTROL VANALARI , DÖKÜM GERİ YIKAMA VANALARI , PLASTİK GERİ YIKAMA VANALARI , DÖKÜM DARBESİZ DİNAMİK VANTUZLAR , PLASTİK VANTUZLAR, DİP KLAPELERİ , TEK / ÇİFT FONKSİYONLU HAVA VANALARI , PİSLİK TUTUCULAR , PİS SU HAVA TAHLİYE VANALARI , FİLTRE TERS YIKAMA KONTROL CİHAZLARI , PİRİNÇ CANSUYU VANALARI ÜRETİM VE SATIŞI

MANUFACTURE AND SALES OF PLASTIC & CASTING HYDRAULIC CONTROL VALVES, CASTING & PLASTIC BACK-FLUSHING CONTROL VALVES , NON-SLAM DYNAMIC & PLASTIC AIR RELEASE VALVES , FOOT VALVES , SINGLE CHAMBER / DOUBLE FUNCTION AIR VALVES , STRAINER , SEWAGE – AIR RELEASE VALVE, FILTER BACK-FLUSHING CONTROL DEVICES AND BRASS QUICK COUPLING VALVES

EA 14, 18

kapsamında (in the scope of),

ISO 9001:2015

Kalite Yönetim Sistemi standardının şartlarına uyan bir yönetim sistemi kurduğunu ve uyguladığını onaylamak üzere verilmiştir.
(to certify that Quality Management System in accordance with standard's clauses is established and being implemented)

İlk Veriliş Tarihi/First Date of Issue : 16.02.2024
Belge Tarihi/Date of Issue : 15.02.2025
Belge Periyodu/Certificate Period : 3 Yıl/Years
Bitiş Tarihi/Reissue Due Date : 15.02.2026
Sertifika No/Certificate No : 9.24.10163.10823.1
Revizyon Tarihi/No/Revision Date/No : -

First Certification
Sistem Sertifikasyon Onayı
(System Certification Approval)

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SERTİFİKA
(CERTIFICATE)

Bu Sertifika (this Certificate),
TAYFUR SU SİSTEMLERİ MAKİNE MÜHENDİSLİK SANAYİ VE TİCARET ANONİM ŞİRKETİ
Kemalpaşa Osb Mahallesi Kuzey Sanayi Caddesi No:13 Kemalpaşa / İzmir / Türkiye
Kuruluşunun (the organization),

DÖKÜM HİDROLİK KONTROL VANALARI , PLASTİK HİDROLİK KONTROL VANALARI , DÖKÜM GERİ YIKAMA VANALARI , PLASTİK GERİ YIKAMA VANALARI , DÖKÜM DARBESİZ DİNAMİK VANTUZLAR , PLASTİK VANTUZLAR, DİP KLAPELERİ , TEK / ÇİFT FONKSİYONLU HAVA VANALARI , PİSLİK TUTUCULAR , PİS SU HAVA TAHLİYE VANALARI , FİLTRE TERS YIKAMA KONTROL CİHAZLARI , PİRİNÇ CANSUYU VANALARI ÜRETİM VE SATIŞI

MANUFACTURE AND SALES OF PLASTIC & CASTING HYDRAULIC CONTROL VALVES, CASTING & PLASTIC BACK-FLUSHING CONTROL VALVES , NON-SLAM DYNAMIC & PLASTIC AIR RELEASE VALVES , FOOT VALVES , SINGLE CHAMBER / DOUBLE FUNCTION AIR VALVES , STRAINER , SEWAGE – AIR RELEASE VALVE, FILTER BACK-FLUSHING CONTROL DEVICES AND BRASS QUICK COUPLING VALVES

kapsamında (in the scope of),

ISO 10002:2018

Müşteri Memnuniyeti Yönetim Sistemi standardının şartlarına uyan bir Yönetim sistemi kurduğunu ve uyguladığını onaylamak üzere verilmiştir.
(Customer Satisfaction Management System standards that meet the requirements of a management system are established and implemented to confirm)

İlk Veriliş Tarihi/First Date of Issue : 16.02.2024
Belge Tarihi/Date of Issue : 15.02.2025
Belge Periyodu/Certificate Period : 3 Yıl/Years
Bitiş Tarihi/Reissue Due Date : 15.02.2026
Sertifika No/Certificate No : 08.24.10163.204957
Revizyon Tarihi/No/Revision Date/No : -

First Certification
Sistem Sertifikasyon Onayı
(System Certification Approval)
İstanbul,2025.02.15

CERTIFICATE

CERTIFICATE OF CONFORMITY

Manufacturer / Üretici
TAYFUR SU SİSTEMLERİ MAKİNE MÜHENDİSLİK SANAYİ VE TİCARET ANONİM ŞİRKETİ

Address / Adres
KEMALPAŞA OSB MAHALLESİ KUZEY SANAYİ CAD. NO:13 KEMALPAŞA / İZMİR / TÜRKİYE

Product Description / Ürün Tanımı
HYDRAULIC CONTROL VALVES / HİDROLİK KONTROL VANALARI

Product Types / Ürün Tipleri
TYPHOON SERIES
MANUAL HYDRAULIC CONTROL VALVE / PRESSURE REDUCING CONTROL VALVE
PRESSURE REDUCING AND PRESSURE SUSTAINING CONTROL VALVE
PRESSURE SUSTAINING CONTROL VALVE / PRESSURE REDUCING AND SOLENOID CONTROL VALVE
SOLENOID CONTROL VALVE / QUICK RELIEF CONTROL VALVE / FLOAT LEVEL CONTROL VALVE
ELECTRIC FLOAT LEVEL CONTROL VALVE / DIFFERENTIAL FLOAT LEVEL CONTROL VALVE
PUMP CONTROL VALVE / DEEP WELL PUMP CONTROL VALVE / SURGE ANTICIPATING VALVE
HYDRAULIC CHECK VALVE / Y TYPE HYDRAULIC CONTROL VALVE
QUICK PRESSURE RELIEF CONTROL VALVE
BACKFLUSHING CONTROL VALVES, VICTAULIC 3x2 - VICTAULIC 4x3 -FLANGE 3x2 – FLANGE 4x3- VICTAULIC & THREADED 2x2

Product Features / Ürün Özellikleri
Basınçlar / Pressures: PN10-PN16 -PN25
Max.Çalışma sıcaklığı / Max.Operating Temperature: 60°C-80°C
Çaplar / Diameters : DN32(1¼") den DN300(12") e kadar
Üretim Standartları / Production Standards : TS/EN 558-1 Esas Seriler 48-FTF-CTF
Vana Boyu / Valve Length : TS ISO 7005-2 , TS EN 558-1
Flanş Ölçüleri / Flange Dimensions: TS ISO 5208 – ISO 7005/2 – EN 1092/2 – BS 40504 -BS 106 - ANSI
Basınç Testleri: Gövde Test Basıncı / Pressure Tests : Body Test Pressure : 1,5 x PN
Sızdırmazlık Test Basıncı / Sealing Test Pressure: 1,1 x PN
Genel Tasarımlar / General Designs: TSEN 1074-1-2-5

Product Brand / Ürünün Markası
TYPHOON

Directives and Regulations / Direktif ve Yönetmelikler
2014/68/EU Pressure Equipment Directive / 2014/68/EU Basınçlı Ekipmanlar Direktifi

It has been accepted by the company that the applicable requirements of the 2014/68 / EU Pressure Equipment Directive have been fulfilled and its responsibility has been taken for the products defined above. The products defined above have been checked by internal production controls carried out by the organization. If there is a change in the product, this declaration will not be accepted and will lose its validity.

Yukarıda tanımları verilmiş olan ürünlerin için 2014/68/EU Basınçlı Ekipmanlar Yönetmeliğinin uygulanabilen gerekliliklerinin yerine getirildiği ve sorumluluğunun alınmış olduğu firma tarafından kabul edilmiştir. Yukarıda tanımları verilmiş olan ürünler, iç üretim kontrollerinin kuruluş tarafından yapıldığı kontrol edilmiştir. Üründe bir değişiklik olduğu takdirde bu beyan kabul edilmeyecek ve geçerliliğini yitirecektir.

Certificate First Issue Date : 16.02.2023
Certificate Validity Date : 07.02.2025
Certification Expiry Date : 16.02.2026

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Bu Sertifika (this Certificate),
TAYFUR SU SİSTEMLERİ MAKİNE MÜHENDİSLİK SANAYİ VE TİCARET ANONİM ŞİRKETİ
Kemalpaşa Osb Mahallesi Kuzey Sanayi Caddesi No:13 Kemalpaşa / İzmir / Türkiye
Kuruluşunun (the organization),

DÖKÜM HİDROLİK KONTROL VANALARI , PLASTİK HİDROLİK KONTROL VANALARI , DÖKÜM GERİ YIKAMA VANALARI , PLASTİK GERİ YIKAMA VANALARI , DÖKÜM DARBESİZ DİNAMİK VANTUZLAR , PLASTİK VANTUZLAR, DİP KLAPELERİ , TEK / ÇİFT FONKSİYONLU HAVA VANALARI , PİSLİK TUTUCULAR , PİS SU HAVA TAHLİYE VANALARI , FİLTRE TERS YIKAMA KONTROL CİHAZLARI , PİRİNÇ CANSUYU VANALARI ÜRETİM VE SATIŞI

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EA 14, 18

kapsamında (in the scope of),

ISO 14001:2015

Çevre Yönetim Sistemi standardının şartlarına uyan bir yönetim sistemi kurduğunu ve uyguladığını onaylamak üzere verilmiştir.
(to certify that Environmental Management System in accordance with standard's clauses is established and being implemented)

İlk Veriliş Tarihi/First Date of Issue : 16.02.2024
Belge Tarihi/Date of Issue : 15.02.2025
Belge Periyodu/Certificate Period : 3 Yıl/Years
Bitiş Tarihi/Reissue Due Date : 15.02.2026
Sertifika No/Certificate No : 14.24.10163.20403.1
Revizyon Tarihi/No/Revision Date/No : -

First Certification
Sistem Sertifikasyon Onayı
(System Certification Approval)

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FIRST QUALITY CERTIFICATION

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FIRST QUALITY CERTIFICATION

SERTİFİKA
(CERTIFICATE)

Bu Sertifika (this Certificate),
TAYFUR SU SİSTEMLERİ MAKİNE MÜHENDİSLİK SANAYİ VE TİCARET ANONİM ŞİRKETİ
Kemalpaşa Osb Mahallesi Kuzey Sanayi Caddesi No:13 Kemalpaşa / İzmir / Türkiye
Kuruluşunun (the organization),

DÖKÜM HİDROLİK KONTROL VANALARI , PLASTİK HİDROLİK KONTROL VANALARI , DÖKÜM GERİ YIKAMA VANALARI , PLASTİK GERİ YIKAMA VANALARI , DÖKÜM DARBESİZ DİNAMİK VANTUZLAR , PLASTİK VANTUZLAR, DİP KLAPELERİ , TEK / ÇİFT FONKSİYONLU HAVA VANALARI , PİSLİK TUTUCULAR , PİS SU HAVA TAHLİYE VANALARI , FİLTRE TERS YIKAMA KONTROL CİHAZLARI , PİRİNÇ CANSUYU VANALARI ÜRETİM VE SATIŞI

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kapsamında (in the scope of),

ISO 45001:2018

İş Sağlığı ve Güvenliği Yönetim Sistemi standardının şartlarına uyan bir yönetim sistemi kurduğunu ve uyguladığını onaylamak üzere verilmiştir.
(to certify that Occupational Health and Safety Management System in accordance with standard's clauses is established and being implemented)

İlk Veriliş Tarihi/First Date of Issue : 16.02.2024
Belge Tarihi/Date of Issue : 15.02.2025
Belge Periyodu/Certificate Period : 3 Yıl/Years
Bitiş Tarihi/Reissue Due Date : 15.02.2026
Sertifika No/Certificate No : 45.24.10163.30383
Revizyon Tarihi/No/Revision Date/No : -

First Certification
Sistem Sertifikasyon Onayı
(System Certification Approval)
İstanbul,2025.02.15

insperla

UYGUNLUK SERTİFİKASI

CERTIFICATE OF COMPLIANCE

Sertifika No.
Certificate No. : 25-1042-1074-01

Sertifika Sahibi Adı ve Adresi
Name and Address of Certificate Owner : Tayfur Su Sistemleri Makine Mühendislik San. ve Tic. A.Ş. Kemalpaşa Osb Mah. Kuzey Sanayi Cad. No: 13 Kemalpaşa/ İZMİR

Üretici Adı ve Adresi
Name and Address of Manufacturer : Tayfur Su Sistemleri Makine Mühendislik San. ve Tic. A.Ş. Kemalpaşa Osb Mah. Kuzey Sanayi Cad. No: 13 Kemalpaşa/ İZMİR

Ürün Adı
Product Name : Basınç Düşürücü ve Basınç Tutucu Kontrol Vanası
Basınç Tutucu Kontrol Vanası / Basınç Düşürücü ve Solenoid Kontrollü Vana
Solenoid Kontrollu Vana / Hızlı Tahliye Vanası / Şamandıralı Seviye Kontrol Vanası
Elektrikli Şamandıralı Seviye Kontrol Vanası / Diferansiyel Şamandıralı Seviye Kontrol Vanası
Pompa Kontrol Vanası / Derin Kuyu Pompa Kontrol Vanası / Darbe Önleyici Vana
Hidrolik Çek Valf / Y Tipi Hidrolik Kontrol Vanası

Ticari Marka
Trademark : TYPHOON

Ürün Tipi/Model(ler)
Product Type/Model(s) : -**Basınç Sınıfı:** PN 10, **Nominal Çaplar:** DN 50, DN 65, DN 80, DN 100, DN 125, DN 150, DN 200, DN 250, DN 300, DN 350, DN 400, DN 500
-**Basınç Sınıfı:** PN 16, **Nominal Çaplar:** DN 50, DN 65, DN 80, DN 100, DN 125, DN 150, DN 200, DN 250, DN 300, DN 350, DN 400, DN 500
-**Basınç Sınıfı:** PN 25, **Nominal Çaplar:** DN 50, DN 65, DN 80, DN 100, DN 125, DN 150, DN 200, DN 250, DN 300

Uygulanan Standart/lar
Applied Standard/s : EN 1074-1:2000, EN 1074-5:2001

Onay Dayanağı
Base of Attestation : Muayene ve Test Raporu - 25-1042-RP-01-00

INSPERLA yukarıda uygunluk değerlendirmesi için sunulan ürünün EN 1074-1:2000, EN 1074-5:2001 standardına uygun olduğunu firmanın, tanımlı olan ürüne ilişkin sunduğu teknik dokümantasyon ve referans inceleme raporu ile onaylar. Bu uygunluk sertifikası imalatçının uygunluk beyanı düzenleme ve ürünün bağlı bulunduğu yönetmeliklere uyma zorunluluğunu ortadan kaldırmaz. Bu uygunluk sertifikası imalatçının isteğine bağlı düzenlenmiştir.
The INSPERLA confirms that the product presented above for conformity assessment complies with the EN 1074-1:2000, EN 1074-5:2001 standard with the technical documentation and reference review report submitted by the company for the defined product. This certificate of conformity does not eliminate the manufacturer's obligation to issue a declaration of conformity and comply with the regulations to which the product is subject. This certificate of conformity has been issued at the request of the manufacturer.

Sertifika Yayın Tarihi
Certificate Issue Date : 03.06.2025

Sertifika Geçerlilik Tarihi
Certificate Expiry Date : 02.06.2026

Genel Müdür
General Manager

insperla

Sayfa 1 /
FR.696 / Rev.C
IKS-C1404

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+90 232 458 57 67

www.tayfursu.com.tr | info@tayfursu.com.tr

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* Every factory is a fortress