

FLECK CONTROL VALVES

Snowate

Hengshui Snowate Environmental
Technology Co., Ltd.

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EDITION FOR
SNOWATE CATALOG



HENGSHUI SNOWATE ENVIRONMENTAL TECHNOLOGY CO., LTD.

A TRUSTWORTHY SOURCING EXPERT ON WATER TREATMENT FACILITIES

As a senior sourcing expert on water treatment facilities and accessories, Hengshui Snowate Environmental Technology Co., Ltd. has extensive water treatment expertise, profound water treatment industry experience and a deep understanding of the water treatment industry purchasing demands. As a consequence, we are capable of providing one-stop purchase and technical support on water treatment facilities and accessories according to our customers' applications, thereby helping our customers to shorten the procurement cycle, reduce procurement costs and maximize economic benefits.

We integrate upstream supply chain products of the water treatment industry. In addition, we work with renowned suppliers and manufacturers. As a result, we can continuously supply high-quality water treatment components and systems for customers across the world to meet the needs of a Wide Range of Applications, Thereby Optimizing Water Resources and Promoting The Sustainable Development of The Global Environment.

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- Small civil uses and small and medium-sized water treatment system uses: BR series, 5600 series, 5000(ProFloSE) series;
- Single piston commercial and industrial uses: 2510 series, 2750 series, 2850 series, 3150 series;
- Dual piston commercial and industrial uses: 2900 series, 3900 series;
- Dual tank continuous operation system uses: 9000, 9100, 9500.

Small civil uses and small and medium-sized water treatment system uses.

It is mainly used in civil (homes and apartments) water softeners and water purifiers, and can achieve automatic softening and backwashing functions. It can also be used in small water treatment systems and pre-treatment systems of commercial reverse osmosis equipment.

BR Series Control Valve

The first multiport valve product launched in China, featuring easy to operate, reliable performance, authentically pleasing appearance, diverse forms and cost-effectiveness.

BR series model description

BR - AST

T: Time type, M: Flow type (softening only)

S: Softening typ, F: Filtration type

A: Fully automatic electromechanical control

E: Fully automatic split-type electronic board control

C: Fully automatic integrated microelectronic control (SE)

BR series multiport valve



Technical Parameters

Valve Body Material	ABS + 30% glass fiber
Inlet/Outlet Pipe Diameter	3/4", 1" (DN20, DN25)
Inlet/Outlet Thread	NPT/BSP
Treatment Water Volume (m³/h)	0.3–3.0
Backwash Flow Rate (m³/h)	1.5
Regeneration Flow Direction	Co-flow
Compatible Tank (Softening)	φ150–φ300 (6"–12")
Compatible Tank (Filtration)	φ150–φ250 (6"–10")
Power Supply	220V/24V, 50/60Hz
Control Form and Function	Time-based, flow-based (softening valve only), microelectronic (SE) and electromechanical are available.

5600 Series and 5000 (ProFloSE) Series Multiport Control Valve

Simple electromechanical and electronic design, reliable operation, easy maintenance.

Technical Parameters

Item	5600 Series	5000 (ProFloSE) Series
Valve Body Material	Noryl	
Inlet/Outlet Pipe Diameter	3/4", 1" (DN20, DN25)	
Inlet/Outlet Thread	NPT/BSP	
Operating Flow (m ³ /h) ①	4.54	4.77
Peak Flow (m ³ /h) ②	5.9	6.1
Backwash Flow (m ³ /h) ②	1.59	3.86
Regeneration Flow Direction	Co-flow/counter-flow optional	
Compatible Tank (Softening)	φ150–φ400 (6"–16")	
Compatible Tank (Filtration)	φ150–φ250 (6"–10")	
Power Supply	220V24V, 50/60Hz	24V, 50/60Hz
Control Form and Function	Time-based, flow-based (softener valve only), microelectronic and electromechanical types are available	Time-based, flow-based (softener valve only) microelectronic (SE) control

Note:

① is the theoretical value at inlet pressure of 0.35 MPa and pressure drop of 0.1 MPa.

② is the theoretical value at inlet pressure of 0.35 MPa and pressure drop of 0.175 MPa.



FLECK Single Piston Commercial/Industrial Water Treatment System Automatic Control Valve

It is mainly used in commercial and industrial water treatment facilities, and can realize automatic softening and back-washing functions. It is more suitable for single-tank systems, and can also be combined into double-tank or multi-tank systems for simultaneous operation and easy regeneration. It can be used for softeners like boilers, filters and pre-treatment systems of reverse units.

2510 Series, 2750 Series

Suitable for large residential, commercial and light industrial water treatment systems, easy to operate, stable operation, good water quality.

Technical Parameters

Item	2510 Series	2750 Series
Valve Body Material	Noryl	Brass
Inlet/Outlet Pipe Diameter	3/4", 1" (DN20, DN25)	1"M (DN25)
Inlet/Outlet Thread	NPT/BSP	Male thread
Operating Flow (m³/h) ①	4.3	5.9
Peak Flow (m³/h) ②	5.4	7.5
Backwash Flow (m³/h) ②	3.86	5.68
Regeneration Flow Direction	Co-flow	Co-flow/counter-flow optional
Compatible Tank (Softening)	φ150–φ400 (6"–16")	φ250–φ600 (10"–24")
Compatible Tank (Filtration)	φ200–φ400 (8"–16")	φ250–φ500 (6"–21")
Power Supply	220V/24V, 50/60Hz	
Control Form and Function	Time-based, flow-based (softener valve only), microelectronic and electromechanical types are available.	
Note:		
① is the theoretical value at inlet pressure of 0.35 MPa and pressure drop of 0.1 MPa.		
② is the theoretical value at inlet pressure of 0.35 MPa and pressure drop of 0.175 MPa .		



2850 Series, 3150 Series

1.5"–2" inlet and outlet port diameter, meeting the needs of large flow commercial and industrial water treatment systems, easy to operate, stable operation, and easy maintenance.

Technical Parameters

Project	2850 Series		3150 Series
Valve Body Material	Brass		
Inlet/Outlet Pipe Diameter	1.5"F (DN40)		2"F (DN50)
Inlet/Outlet Thread	Female thread		
Operating Flow (m³/h) ①	11.5	21.59 (Top mounted)	22.72 (Side mounted)
Peak Flow (m³/h) ②	15	28.18 (Top mounted)	29.31 (Side mounted)
Backwash Flow (m³/h) ②	11.1	23.85 (Top mounted)	24.76 (Side mounted)
Regeneration Flow Direction	Co-flow		Co-flow/Counter-flow optional
Compatible Tank (Softening)	φ250-φ750 (10"-30")		φ600-φ1600 (24"-63")
Compatible Tank (Filtration)	φ250-φ600 (10"-24")		φ600-φ1000 (24"-42")
Power Supply	220V/24V, 50/60Hz		
Control Form and Function	Time-based, flow-based (softener valve only), electronic (SE/SXT or NT/NXT) and electromechanical are available. You can choose to combine dual-valve or multi-valve systems that can work simultaneously with separate regeneration systems (#6 system).		

Note:

① is the theoretical value at inlet pressure of 0.35 MPa and pressure drop of 0.1 MPa.

② is the theoretical value at inlet pressure of 0.35 MPa and pressure drop of 0.175 MPa.



FLECK Single Piston Commercial/Industrial Water Treatment System Automatic Control Valve

2900 Series, 3900 Series

It is mainly used in industrial-grade high-flow continuous water treatment systems for softening and filtration equipment. The double-control hydraulically balanced piston ensures continuous water supply, stable switching of inlet and outlet water and superior performance.

Technical Parameters

Item	2900 Series	3900 Series
Valve Body Material	Brass	
Inlet/Outlet Pipe Diameter	2"F (DN50)	3"F (DN80)
Inlet/Outlet Thread	Female thread	
Operating Flow (m³/h) ①	24.07	56.81
Peak Flow Rate (m³/h) ②	31.8	73.86
Backwash Flow Rate (m³/h)②	5.68	29.54
Regeneration Flow Direction	Co-flow/counter-flow optional	Co-flow/counter-flow optional
Compatible Tank (Softening)	φ350-φ750 (14"-30") φ350- φ750 (14"-30")	φ600-φ1600 (24"-63") φ600- φ1600 (24"-63")
Compatible Tank (Filtration)	φ350-φ500 (14"-21")	φ600-φ1000 (24"-42")
Power Supply	220V/24V, 50/60Hz	
Control Form and Function	Time type, flow type (softening valve only), electronic (NT or NXT) and electromechanical type are available. You can choose to combine dual-valve or multi-valve systems for one (or multiple) in use and one standby (#7, #9 systems). They can also be configured as dual-valve or multi-valve systems that work simultaneously with separate regeneration systems (#5, #6 systems).	

Note:

① is the theoretical value at inlet pressure of 0.35 MPa and pressure drop of 0.1 MPa.

② is the theoretical value at inlet pressure of 0.35 MPa and pressure drop of 0.175 MPa.



Fleck Dual Tank Continuous Operation Series Water Treatment System Automatic Control Valve

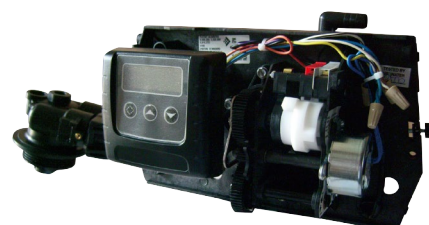
It is especially suitable for continuous operation in residential and commercial water treatment systems, providing a rated flow of softened water for 24 hours a day without interruption. It features high operating efficiency, easy maintenance and aesthetically pleasing appearance.

Technical Parameters

Item	9100 Series	
Material	Noryl	
Inlet/Outlet Pipe Diameter	3/4", 1" (DN20, DN25)	
Inlet/Outlet Thread	NPT/BSP	
Flow Rate (m³/h) ①	4.41 (3/4" flow meter)	4.56 (1" flow meter)
Flow Rate (m³/h) ②	5.68 (3/4" flow meter)	5.9 (1" flow meter)
Flow Rate (m³/h) ②	1.93	
Flow Direction	Co-flow/counter-flow optional	
Tank (Softening)	φ150–φ400 (6"–16")	
Power Supply	220V/24V, 50/60Hz	
Form and Function	Dual tank continuous operation flow type, microelectronic (SE or SXT) and electromechanical type are available.	

Note:

- ① is the theoretical value at inlet pressure of 0.35 MPa and pressure drop of 0.1 MPa.
 ② is the theoretical value at inlet pressure of 0.35 MPa and pressure drop of 0.175 MPa.

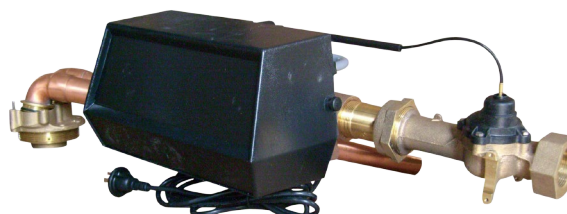


Technical Parameters

Item	9000 Series		9500 Series
Valve Body Material	Brass		
Inlet/Outlet Pipe Diameter	3/4", 1" F (DN20, DN25)		1.5" F (DN40)
Inlet/Outlet Thread	NPT/BSP or female thread		Female thread
Flow Rate (m³/h) ①	4.09 (3/4" flow meter)	4.77 (1" flow meter)	9.77
Flow Rate (m³/h) ②	5.45 (3/4" flow meter)	6.36 (1" flow meter)	12.5
Flow Rate (m³/h) ②	1.93		3.63
Flow Direction	Co-flow		
Tank (Softening)	φ150–φ400 (6"–16")		φ250–φ600 (10"–24")
Power Supply	220V/24V, 50/60Hz		
Form and Function	Dual tank continuous operation flow type, microelectronic (SE or SXT) and electromechanical type are available.		Dual tank continuous operation flow type, microelectronic (SXT) and electromechanical type are available.

Note:

- ① is the theoretical value at inlet pressure of 0.35 MPa and pressure drop of 0.1 MPa.
 ② is the theoretical value at inlet pressure of 0.35 MPa and pressure drop of 0.175 MPa.



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