

TAYFUR WATER SYSTEMS

TYPHOON



We Care About Every Drop of Water

Tayfur Water Systems, which was established by Tayfun Yazaroğlu in 2004 in Izmir. We continue our activities as "Tayfur Water Systems Machinery Engineering Industry and Trade Inc." since 2017.

Our company offers its products and experiences to the local market and international market. Tayfur Water Systems, while strengthening its recognition abroad, continues to expand its production, sales and marketing activities every day.

Our engineers and technical staff, technological infrastructure, manufacturing, sales, project-consulting, contracting and service planning meets the requirements of the sector.

Our company manufactures "TYPHOON" brand, hydraulic control valves, plastic hydraulic control valves, backwash valves, plastic backwash valves, impact-free dynamic suction cups, plastic suction cups, bottom clamps, filter reverse flushing control devices. It is progressing towards becoming a strong brand in both domestic and foreign markets by meeting the special demands of its domestic and foreign customers.

Our Quality Policy

In order to be a leader in quality in the sales, marketing and service sector by complying with legal conditions and to comply with the requirements of Quality Management System in order to meet the needs and expectations of our customers, to continuously improve the efficiency and to not compromise the quality under any circumstances.

Our Mission

To be a company aiming to present its synergy in the national and international market which has always taken its responsibilities, desires and expectations of our customers in a correct, reliable and timely manner, within the framework of high quality standards, transforming efficiency and competition into an advantage...

Our Vision

To be a leading, innovative, powerful and reputable enterprise in its sector.





Back Flushing Control Valves are 3-way control valves that operate with line pressure or an external pneumatic pressure in filtration systems. The valve operates in the filtration and back flushing mode in coordination with the filter elements in the system. The diaphragm valve assembly of the valve works in two directions. The valve opens the evacuation path by changing the direction of the valve as it moves into the back flushing mode in the filtration mode. In this way, the cleanliness of the filter elements is best cleared by preventing contamination of clean water with dirty water in the system.

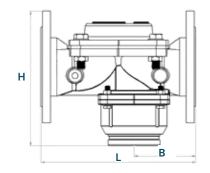
Order Information

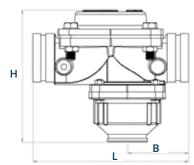
Please provide the following information in order

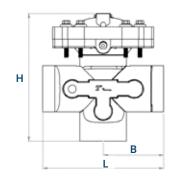


Models	Н		В		L		Weight	
	inch	mm	inch	mm	inch	mm	lbs	kg
Victaulic 3x2	9,68	246	4,49	114	11,42	290	35,16	15,95
Victaulic 4x3	9,68	246	5,04	128	12,48	317	33,44	17,25
Flanged 3x2	9,68	246	4,49	114	11,42	290	57,64	22,45
Flanged 4x3	9,68	246	5,04	128	12,48	317	60,72	25,00
Victaulic-Threaded 2x2	7,48	190	3,54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







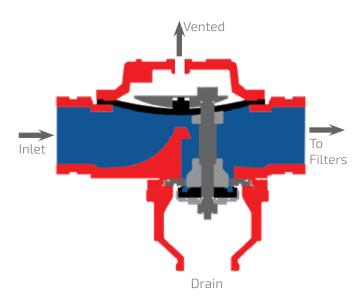




Operating Principle

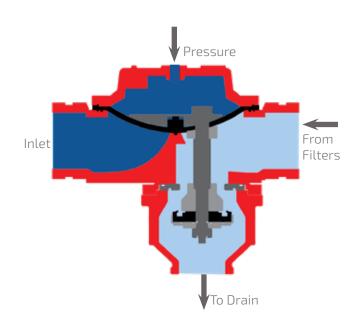
Filtration Mode

De-pressurized command - control chamber vents to atmosphere: The valve allows straight flow. Bottom drain plug is closed.



Back Flushing Mode

Pressure command - control chamber is pressurized: The valve inlet port is closed by the diaphragm and the bottom port opens to allow flow from the filter, out to the drain.



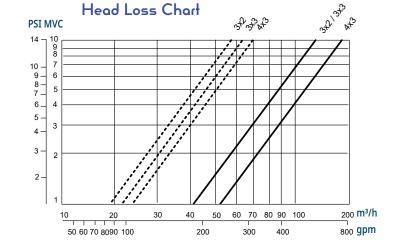


Hydraulic Performance

Model	57/58		
Size	3x2	4x3	
In filtration mode	m³/h	90	160
recommended max. stream	gpm	400	705
Back wash mode	m³/h	40	90
Recommended Max. stream	gpm	180	400
In filtration mode	Kv (metric)	130	160
flow rate factor	Cv (US)	150	185
Back rinse mode	Kv (metric)	58	70
flow rate factor	Cv (US)	67	81

Operating Pressure Range

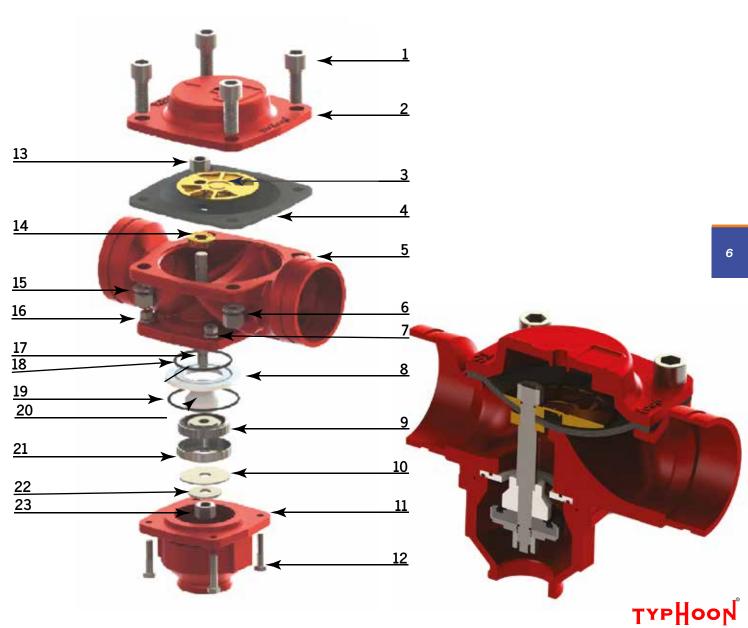
Standard model: 0.7 - 10 bar / 10 - 150 psi **High-Pressure Model:** 1 - 16 bar / 15 - 250 psi **Maximum operating temperature:** 60°C (140°F)

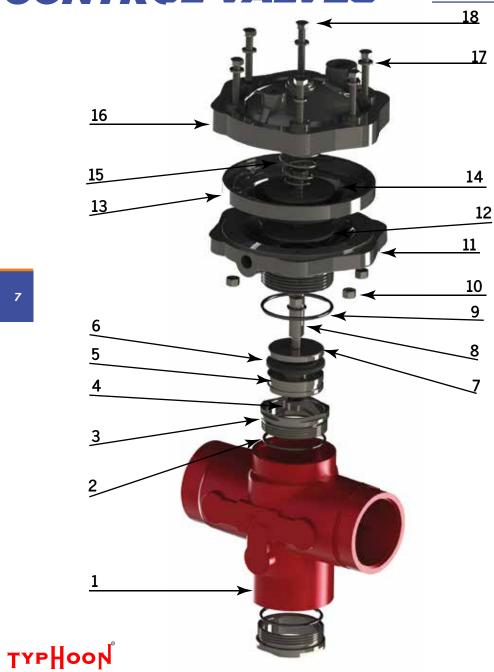


Filtration Mode



#	Material Name	Type of Material
1	Boll	8.8 Coated Steel
2	Cover	GG25 - GGG40
3	Diaphragm Wedge	Brass
4	Diaphragm	Natural Rubber
5	Body	GG25 - GGG40
6	Nut	8.8 Coated Steel
7	Nut	8.8 Coated Steel
8	Disk	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	Material Adapter	HDPE
21	Rubber Container	Stainless Steel
22	Washer (B)	Stainless Steel
23	Nut	8.8 Coated Steel





#	Material Name	Type of Material
1	Body	GGG40
2	O-Ring	NBR
3	Bearings	Stainless Steel
4	Nut	8.8 Coated Steel
5	Bottom Dish	Stainless Steel
6	Rubber	EPDM
7	Top Dish	Stainless Steel
8	Shaft	Stainless Steel
9	O-Ring	NBR
10	Nut	8.8 Coated Steel
11	Bottom Cover	Glass Reinforced polyamide
12	O-Ring	NBR
13	Diaphragm	Natural Rubber
14	Diaphragm Discs	Stainless Steel
15	Coil	Stainless Steel
16	Cover	Glass Reinforced polyamide
17	Washer	8.8 Coated Steel
18	Bolł	8.8 Coated Steel

BACK FLUSHING

CONTROL VALVES

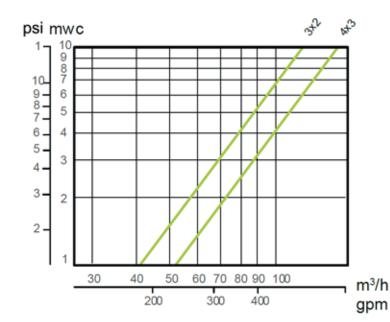


Back Flushing Control Valves are 3-way control valves that operate with line pressure or an external pneumatic pressure in filtration systems. The valve operates in the filtration and back flushing mode in coordination with the filter elements in the system. The diaphragm valve assembly of the valve works in two directions. The valve opens the evacuation path by changing the direction of the valve as it moves into the back flushing mode in the filtration mode. In this way, the cleanliness of the filter elements is best cleared by preventing contamination of clean water with dirty water in the system.

Order Information

Please provide the following information in order

Head Loss Chart

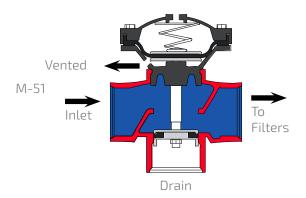


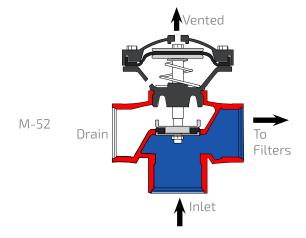
Filtration Mode



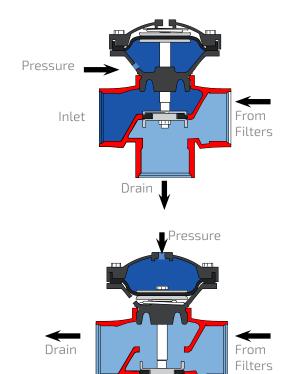
Operating Principle

Filtration Mode Control chamber is de-pressurized The valve is in filtration mode





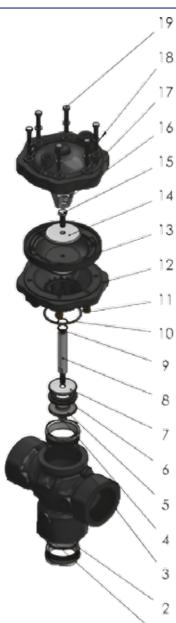
Back Flushing Mode Control chamber pressurized -The valve is in flushing mode



Inlet

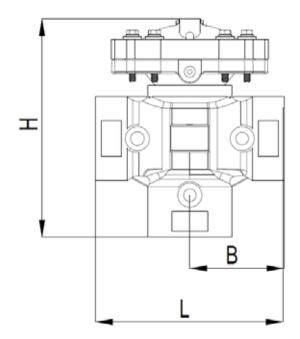


2x2 Plastic

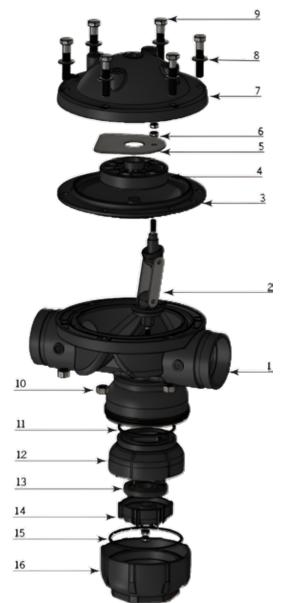


#	Material Name	Type of Material
1	Body	GRP
2	Bearing O-Ring	NBR
3	Bearing	Stainless Steel
4	Nut	Stainless Steel
5	Bultom Bowl	HDPE
6	Seal	EPDM
7	Τορ Bowl	HDPE
8	Shaft	Stainless Steel
9	Shaft-o-ring	NBR
10	Cover- o-ring	NBR
11	Nut	Brass
12	Bullom Cover	GRP
13	Diaphgram	Naturel Rubber
14	Diynamic Disc	Stainless Steel
15	Shaft Bolt	Stainless Steel
16	Spring	SST 302
17	Cover	GRP
18	Washer	Stainless Steel
19	Bolł	Stainless Steel

Model	ŀ	1				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







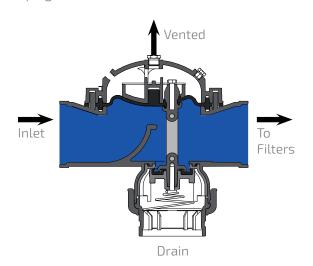
#	Material Name	Type of Material
1	Воду	Glass Reinforced polyamide
2	Jolint	Stainless Steel
3	Diaphragm	Natural Rubber
4	Diaphragm Support	Glass Reinforced polyamide
5	Diaphragm Support Plate	Stainless Steel
6	Nut	8.8 Coated Steel
7	Bonnet	Glass Reinforced polyamide
8	Washer	8.8 Coated Steel
9	Bolł	8.8 Coated Steel
10	Nut	8.8 Coated Steel
11	O-Ring	NBR
12	Seat	Glass Reinforced polyamide
13	Rubber Sealing	EPDM
14	Plug	Glass Reinforced polyamide
15	O-Ring	NBR
16	Adapter	Glass Reinforced polyamide



Operating Principle

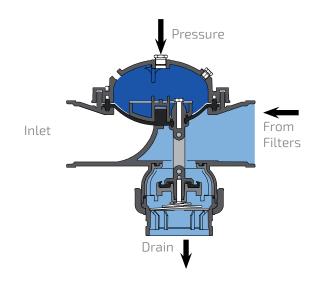
Filtration Mode

De-pressurized command - control chamber vents to atmosphere: The valve allows straight flow. Bottom drain plug is closed.

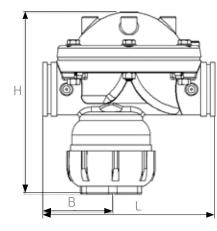


Back Flushing Mode

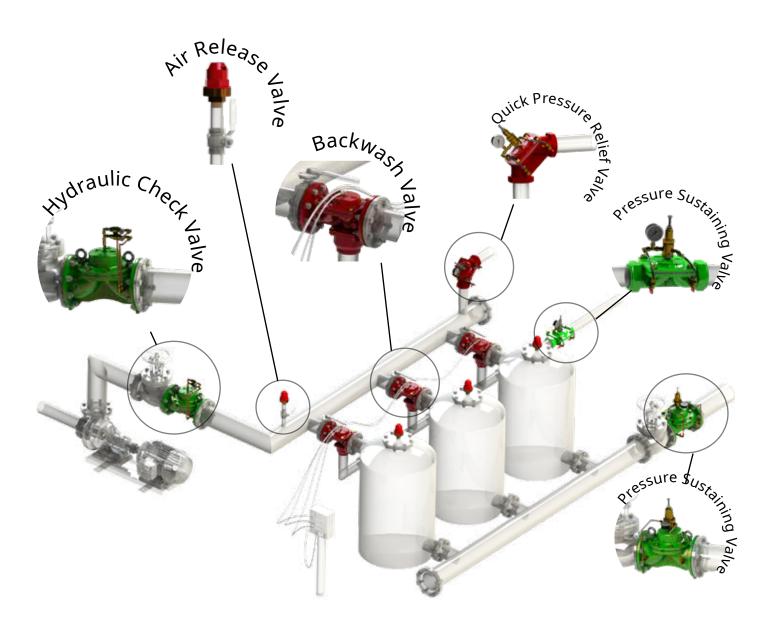
Pressure command - control chamber is pressurized: The valve inlet port is closed by the diaphragm and the bottom port opens to allow flow from the filter, out to the drain.



	н			В	L		Weight	
Model	inch	mm	inch	mm	inch	mm	lbs	kg
Victaulic 3x2	11,90	292	5,04	128	12,20	310	11,02	5,00
Victaulic 4x3	11,50	292	3,04	128	12,20	310	11,02	5,00







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BACK FLUSHING CONTROL VALVES

AC Type - 1-2-3 Internal With DP

- Ideal for 1, 2 and 3 station filters
- Start reverse flushing with internal DP
- Can initiate reverse rinsing by DP or time
- Simple setpoint selection with DIP switches
- Manual operation capability
- 24VAC energy input



DC Type - 1-2-3 Internal With DP

- Ideal for 1, 2 and 3 station filters
- Start reverse flushing with internal DP
- Can initiate reverse rinsing by DP or time
- Simple setpoint selection with DIP switches
- Manual operation capability
- With 9VDC and 12VDC energy input



Pressure Differential Device (DP)

- Simple pressure adjustment with DIP switcher
- 12VDC and 24VAC connection models according to the power supply
- Ability to set differential pressure range up to 2 bars
- Ability to test sensor outputs
- Alarm capability with LED indicators



AC Type - 2/10 External Without DP

- Possibility to use up to 2-10 filter stations
- Easy programming thanks to the rotating switches on the panel
- 9-12VDC LATC. with energy input
- Washing cycle from 10 minutes to 24 hours
- Washing time from 10 seconds to 24 hours
- Waiting time between stations from 5 seconds to 40 seconds
- Ability to alarm in infinite loop problems
- Manual, only DP or DP with time adjustment capability



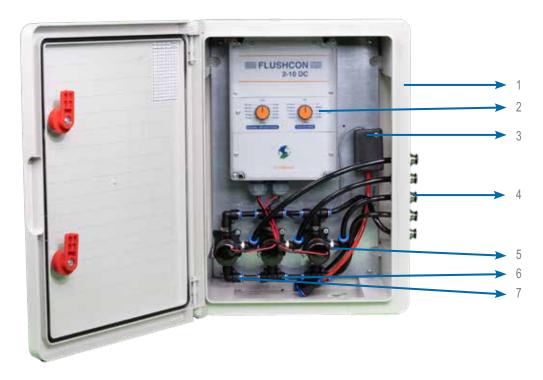
DC Type - 2/10 External Without DP (2 Wiered)

- Possibility to use up to 2-10 filter stations
- Easy programming thanks to the rotary switches on the panel
- 9-12VDC LATC. Energized
- Wash cycle from 10 minutes to 24 hours
- Washing time from 10 seconds to 24 hours
- Stand-by time between 5 and 40 seconds
- · Ability to alarm on infinite loop problems
- Manual, only DP or DP with time adjustment





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#	Material Name	Description
1	Protection Board	Plastic
2	Control Panel	24VAC input / 12VDC input latch powered
3	Pressure Differential Device	24VAC input / 12VDC input latch powered
4	Nipple Adaptor	1/4" / 1/4" hose connection
5	Solenoid Valve	AC/DC powered, 1/8" female
6	T Filling	1/8" male / 8mm hose connection
7	Elbow Filting	1/8" male / 8mm hose connection









CERTIFICATES









AYFUR SU SİSTE "LERİ "AKİ "E MÜHE "DİSLİK SA "AYİ VE TİCARET ANONIM ŞİRKETİ

M MANAGERS CHINGES.

TAYFUR SU SİSTEMLERİ MAKİNE MÜHENDİSLİK SANAYİ
VE TİCARET ANONIM SİDVETİ

150 45001:2018



ISO 14001:2015

SERTIFIKA

ISO 10002:2018





EXHIBITIONS











ТАЬНООН

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TYPHOON

