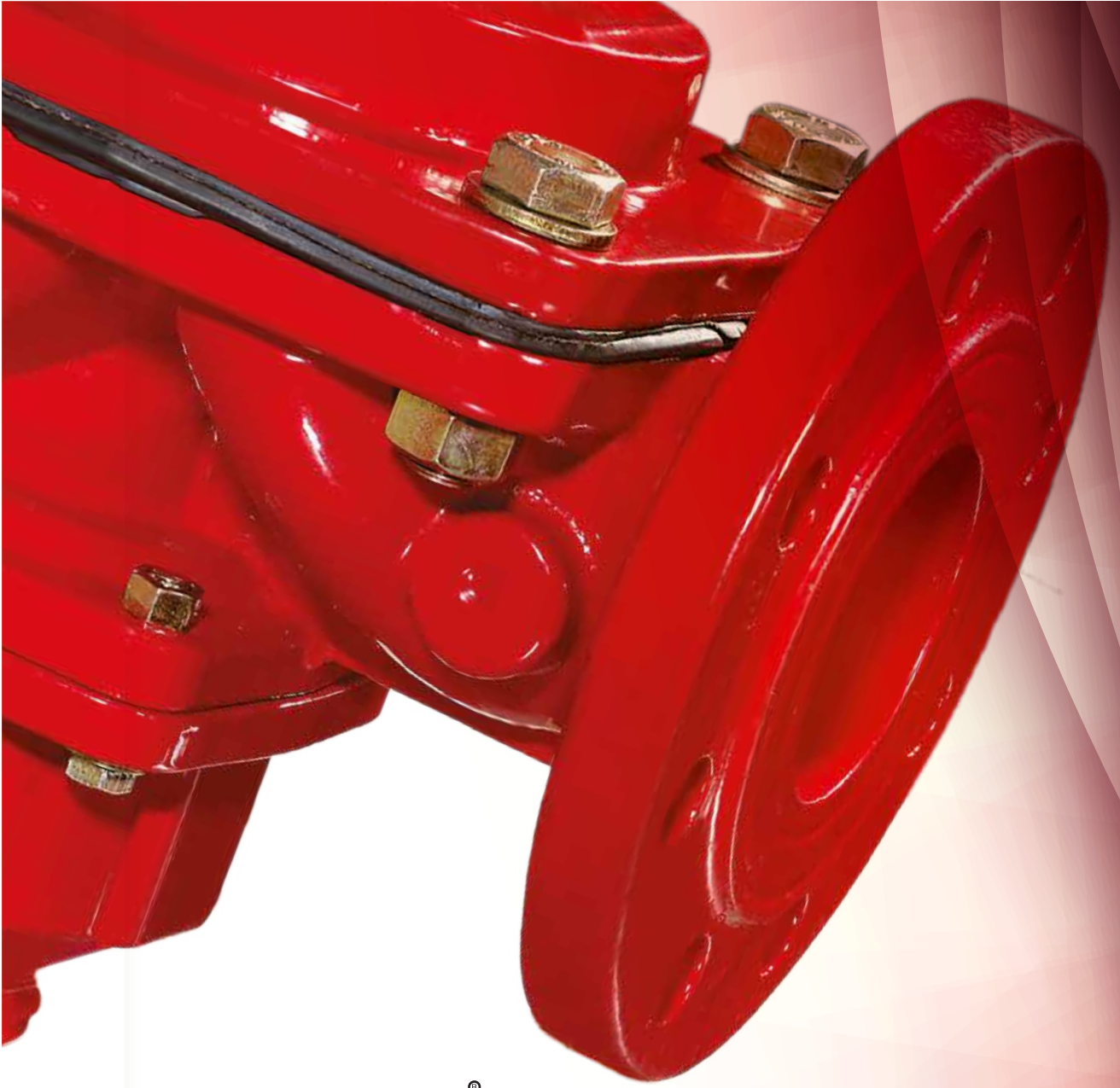


TYPHOON®

BACK FLUSHING CONTROL VALVES

tayfur su sistemleri

TYPHOON®

About Us

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...

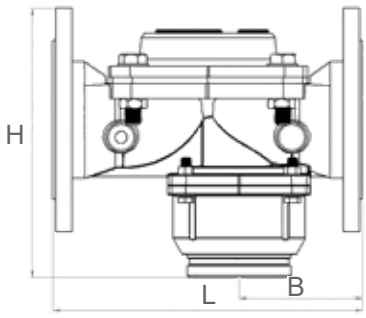
Our Vision

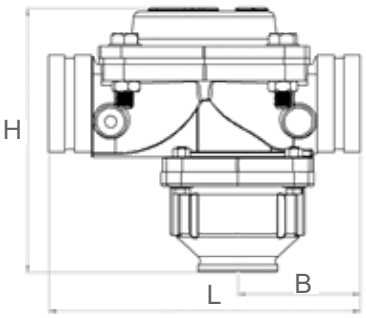
To be a leading, innovative, powerful and reputable enterprise in its sector.

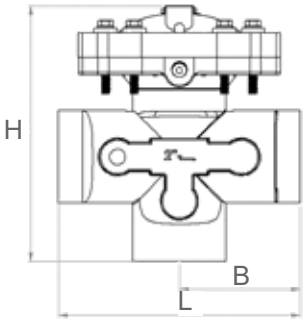
Back Flushing Control Valves

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.

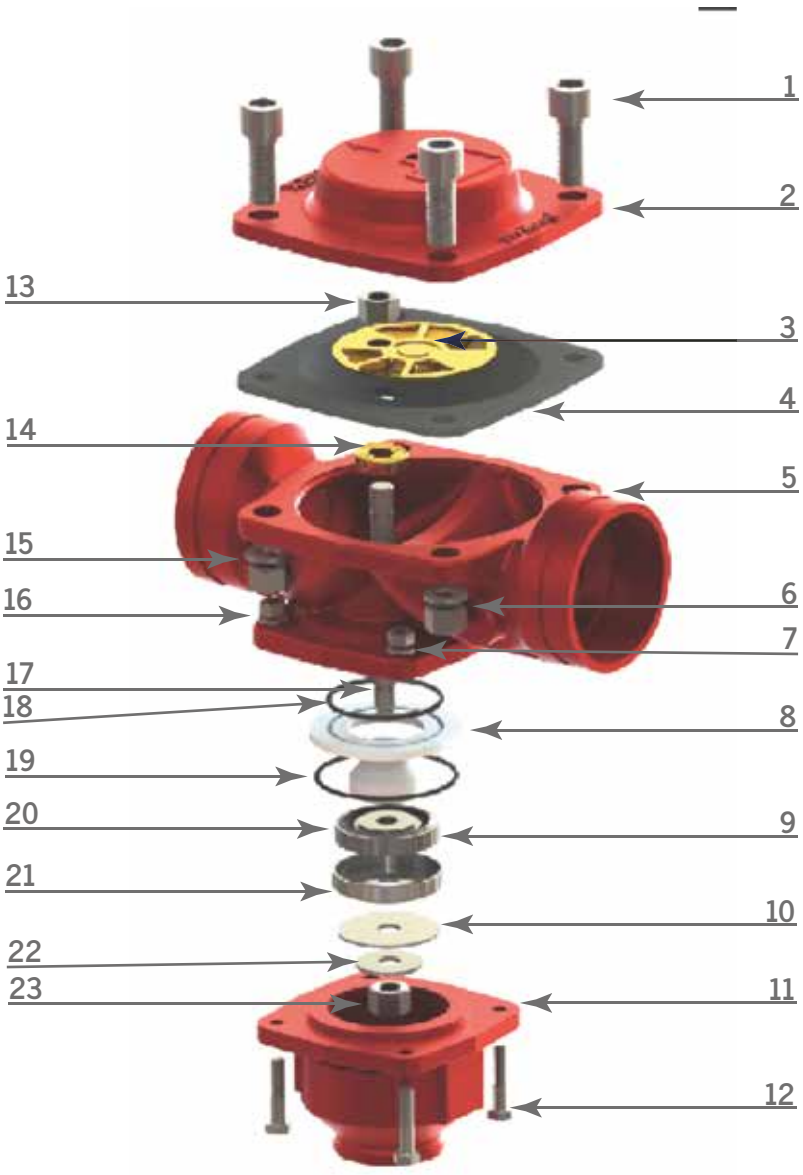
Model	H		B		L		Weight	
	inch	mm	inch	mm	inch	mm	lbs	kg
Victaulic 3x2	10,03	254,78	4,44	112,86	11,44	290,60	35,16	15,95
Victaulic 4x3	9,97	253,35	5,04	128,00	12,49	317,20	38,03	17,25
Flanged 3x2	10,21	259,34	4,32	109,76	10,99	279,19	49,49	22,45
Flanged 4x3	10,96	278,41	4,81	122,22	12,04	305,73	55,12	25,00
Victaulic-Threaded 2x2	7,48	190,00	3,54	90,00	7,08	180,00	8,38	3,80



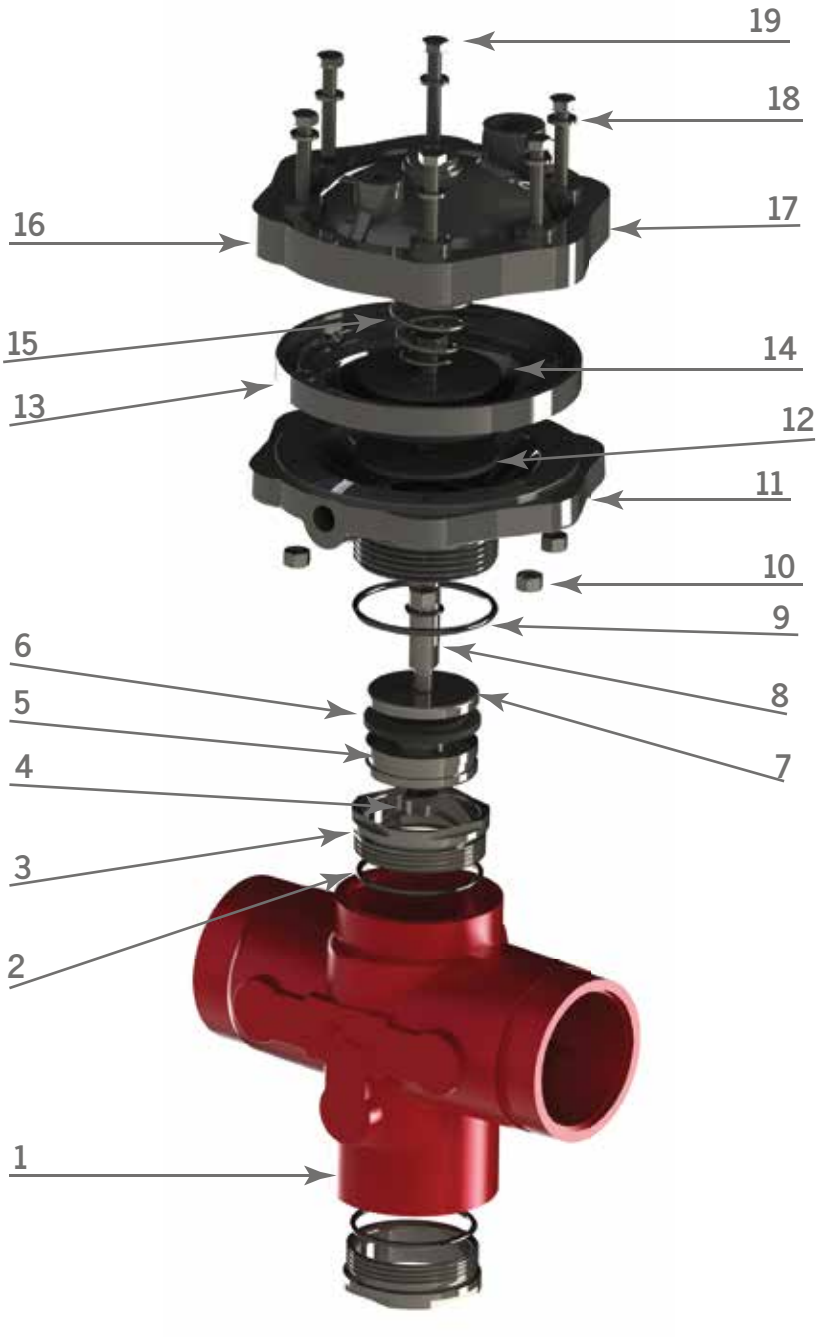




Back Flushing Control Valves



#	Material Name	Feature
1	Bolt	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	Feature
1	Body	GG25 - GGG40
2	O-Ring	NBR
3	Bearings	Stainless Steel
4	Nut	8.8. Coated Steel
5	Plug	Stainless Steel
6	Seal	EPDM
7	Washer	Coated Steel
8	Shaft	Stainless Steel
9	O-Ring	NBR
10	Nut	8.8 Coated Steel
11	Operator Body	GRP
12	O-Ring	NBR
13	Diaphragm	Natural Rubber
14	Diaphragm Discs	Stainless Steel
15	Bolt	8.8 Coated Steel
16	Spring	Stainless Steel
17	Cover	DRP
18	Washer	Coated Steel
19	Bolt	8.8 Coated Steel

Back Flushing Control Valves

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

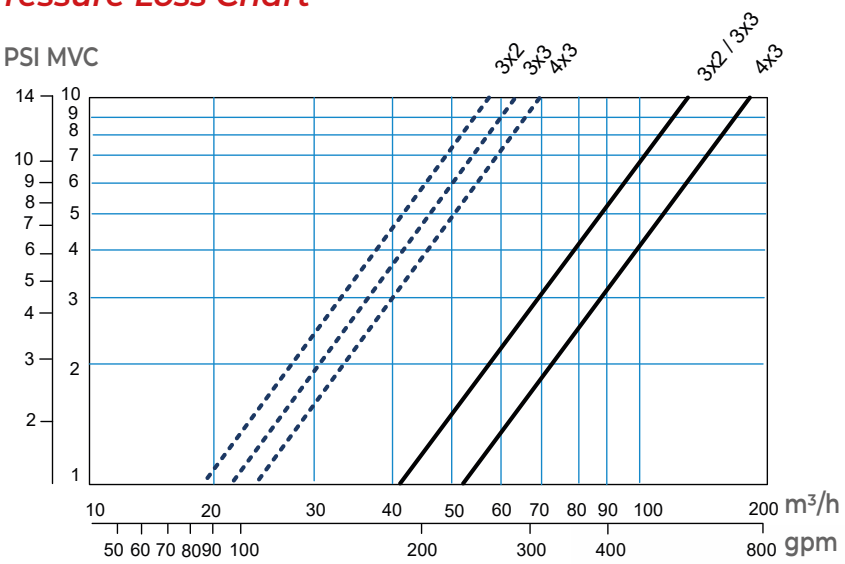
Operating Pressure Range

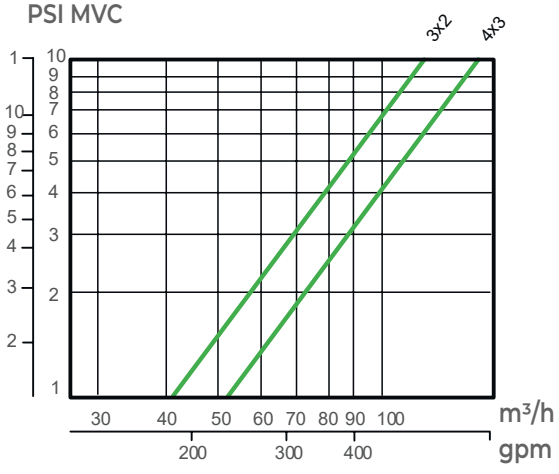
Standard model: 0.7 - 10 bar / 10 - 150 psi

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

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

Pressure Loss Chart

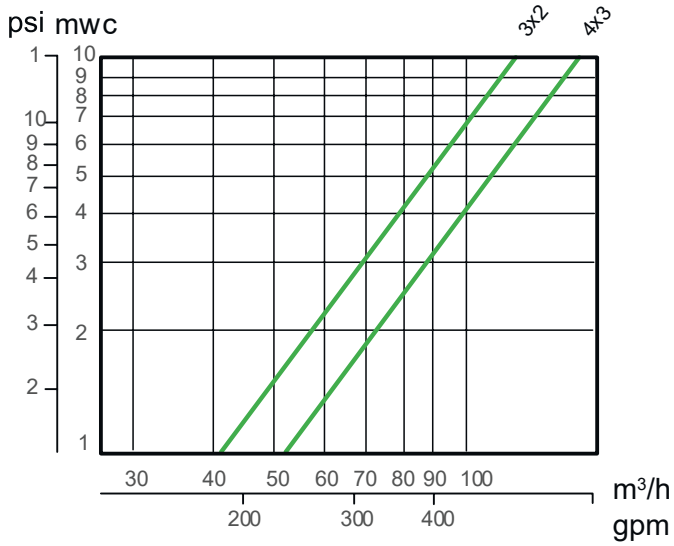


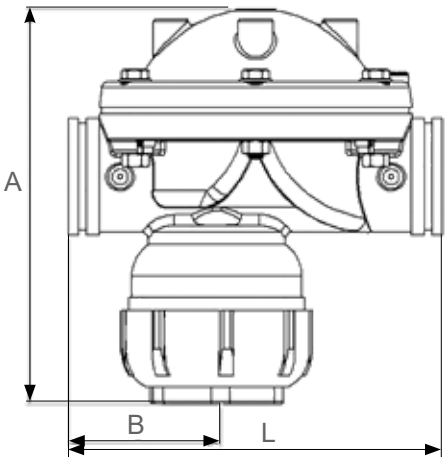


Plastic Back Flushing Control Valves

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.

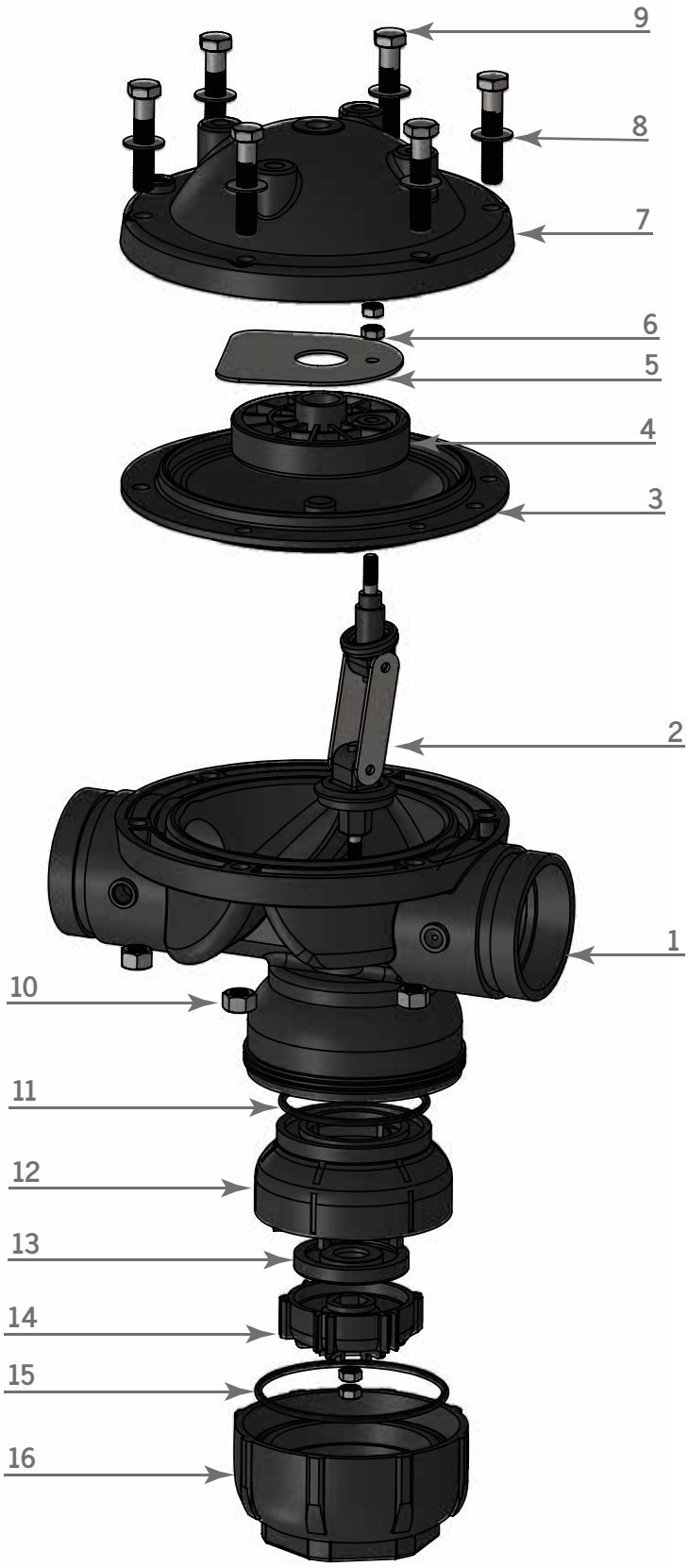
HYDRAULIC PERFORMANCE





Model	H		B		L		Weight	
	inch	mm	inch	mm	inch	mm	lbs	kg
Victaulic 3x2	11,12	282,45	4,32	109,75	12,21	310,17	11,02	5,00
Victaulic 4x3	11,12	282,45	4,07	103,46	7,76	197,20	10,47	4,75

Plastic Back Flushing Control Valves



#	Material Name	Feature
1	Body	GRP
2	Joint	Stainless Steel
3	Diaphragm	Natural Rubber
4	Diaphragm Support	GRP
5	Diaphragm Support Plate	Stainless Steel
6	Nut	8.8 Coated Steel
7	Bonnet	GRP
8	Washer	8.8 Coated Steel
9	Bolt	8.8 Coated Steel
10	Nut	8.8 Coated Steel
11	O-Ring	NBR
12	Seat	GRP
13	Rubber Sealing	Natural Rubber
14	Plug	GRP
15	O-Rıng	NBR
16	Adapter	GRP

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

Back Flushing Control Valves

Control Panels

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
- Ability to hurt back flushing time

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
- Ability to hurt back flushing time

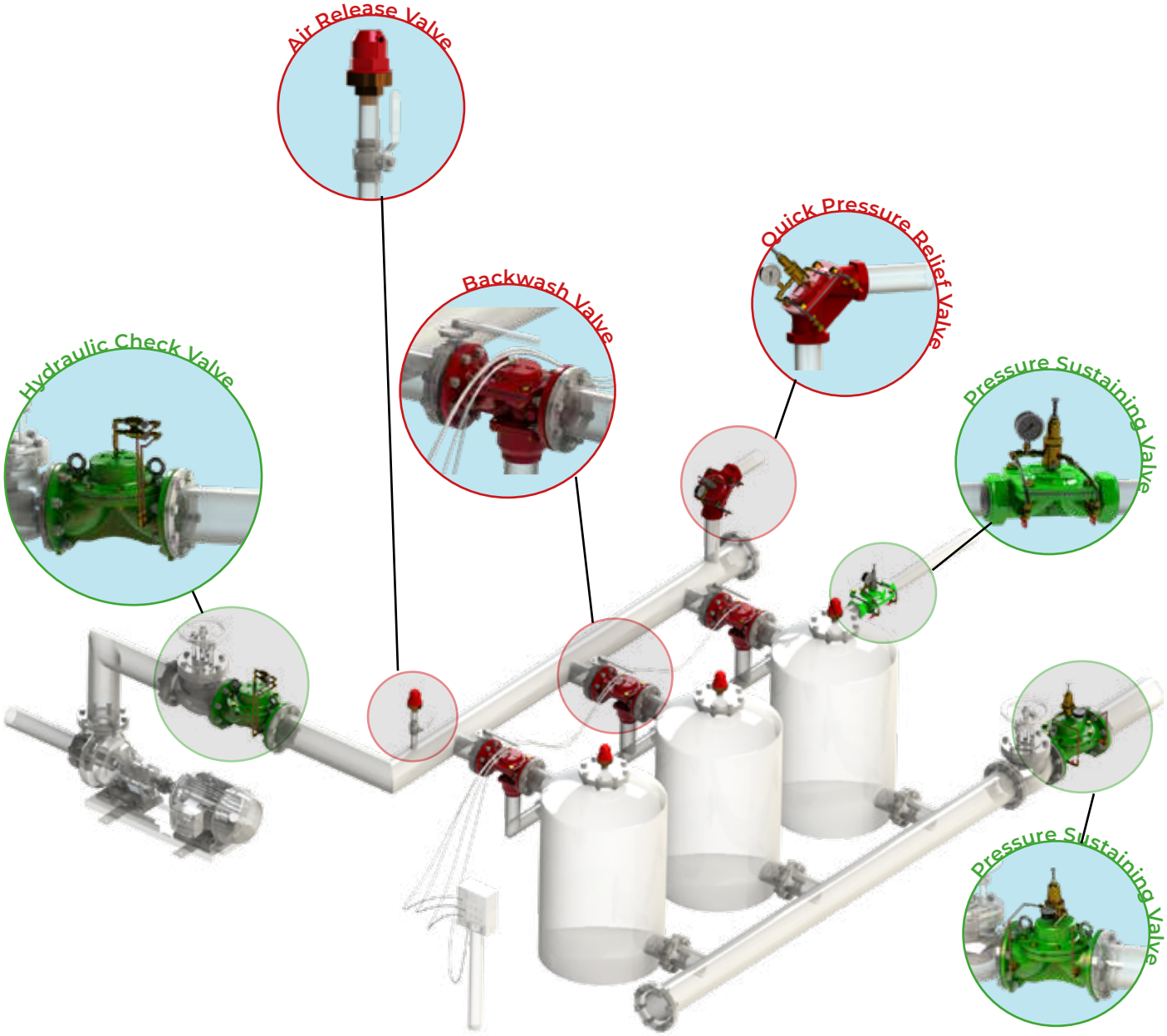
Pressure Differential Device (DP)

- 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


FLUSHCON
2-10


FLUSHCON


FLUSHCON


Air Release Valve
Backwash Valve
Quick Pressure Relief Valve
Hydraulic Check Valve
Pressure Sustaining Valve
Pressure Sustaining Valve

* Every Factory is a Fortress

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