aytokfiltre.com

Aytok®

Water Filter Systems

AYTOK FILTRATION
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AUTOMATIC FILTERS

ABOUT US

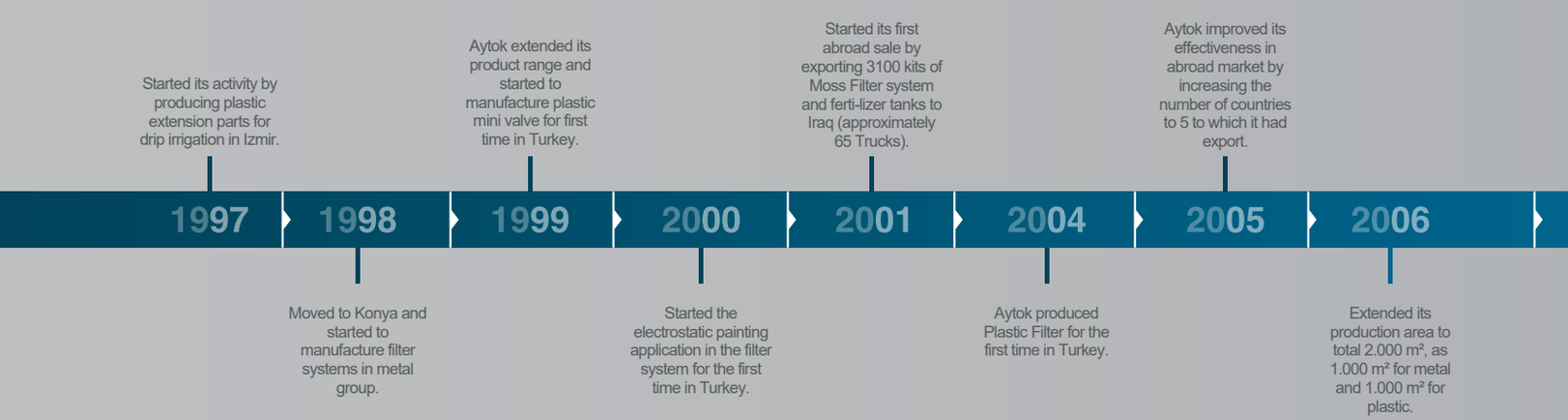
ALWAYS GETTING BETTER...

Aytok started its activity in 1997 by producing plastic extension parts for drip irrigation in Izmir. In 1998 Aytok moved to Konya finding a market opportunity and started to manufacture plastic and metal filters. This decision created marvelous results and carried Aytok into a market leader manufacturer position in Turkey. Focusing on R&D, market-field analysis, and inspections taken seriously by Aytok management, lie surely behind this success.

As a market leader, Aytok has also contributed to the sector's further development and user-oriented by opening new sections like on-field troubleshooting service, on factory maintenance promotions, applying technology and control systems which are well known and appreciated by the consumers, and continuing this responsibility by competing with itself.

Today, Aytok serves its domestic and international customers in more than 60 countries with including dedicated engineers, that 30000 m^2 of which is total area. Aytok, a leading brand on domestic market, is among the players that shape the sector in the global market.

Aytok aims to keep its credentials coming along the years, create added value by innovative products and stabilize its position in the top five of filtration industry in the world.



Aytok®
Water Filter Systems

Fittech® Fittings Technology | Hydfilt® Water Filter Systems | Hydrofilt® Self Cleaning Hydraulic Filter

PivVALVE | minithings Aytok | Hurricanefilt by Aytok

MADE IN TÜRKİYE MADE IN

CE

CERTIFIED ISO 45001:2018 COMPANY

CERTIFIED ISO 9001:2015 COMPANY

2007 — Aytok increased the number of counties in abroad market to 16 and started to manufac-ture plastic disk filters for the first time in Turkey.

2008 — Aytok has been awarded by Konya Chamber of Commerce and given recommendation letter due to its contributions to country economy. Then Aytok moved to its new facility es-tablished on totally 10.000 m² area and increased abroad mar-ket to 24 countries.

2009 — Started to manufacture Vacuum Cleaning Filter and Plastic hydrocyclone filters for the first time in Turkey. Aytok increased the number of the export countries to 32.

2010 — Developed Vacuum cleaning, Full Automatic and self cleaning filters which are both easy to use and economical. Aytok Istanbul Province Directorate has been opened and the number of export countries has been increased to 42.

2016 — Moved to new plant located in Industrial Zone 4. Having totally 30000 m2 area. Aytok is improving its productivity, production capacity along with quality eventually.

2020 — Aytok has started to produce his own electricity.

2022 — We strengthened our production with robotic welding machines.

2023 — Aytok and Pivvalve merged. Now, in addition to filters and systems, valve production has also started.

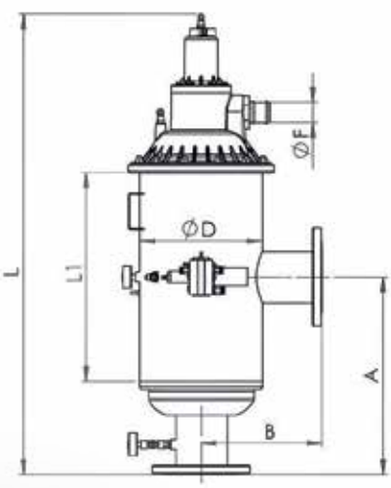
Quality

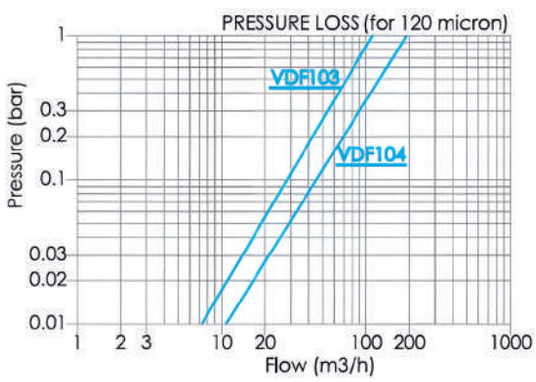
Aytok®
Water Filter Systems

Irrigation

VERTICAL SELF CLEANING FILTER - VDF / VEF

SCREEN
automatic





CODE	Inlet / Outlet (inch)	Inlet / Outlet (DN)	A (mm)	B (mm)	L1 (mm)	L (mm)	D (inch)	F (inch)	Drain Flow Rate (L/s)	Drain Flow Rate (GPM(US))	Main Flow Rate (m^3/h)	Main Flow Rate (GPM(US))	Filtration Area (cm^2)	Nozzle (Qty)	Screen (Qty)	Weight (kg)
VDF / VEF 102F	2	50	310	270	205	760	10	2	3,3	53	30	132	658	2	1	22
VDF / VEF 1025F	2 1/2	65	310	270	205	760	10	2	3,3	53	40	176	658	2	1	23
VDF / VEF 102	2	50	390	270	365	920	10	2	3,3	53	40	176	1317	2	2	37
VDF / VEF 1025	2 1/2	65	390	270	365	920	10	2	3,3	53	50	220	1317	2	2	38
VDF / VEF 103	3	80	390	270	365	920	10	2	3,3	53	55	242	1317	2	2	39
VDF / VEF 103S	3	80	440	270	465	1020	10	2	4,1	66	70	308	1975	3	3	42
VDF / VEF 104	4	100	440	270	465	1020	10	2	4,1	66	100	440	1975	3	3	44

GENERAL CHARACTERISTICS

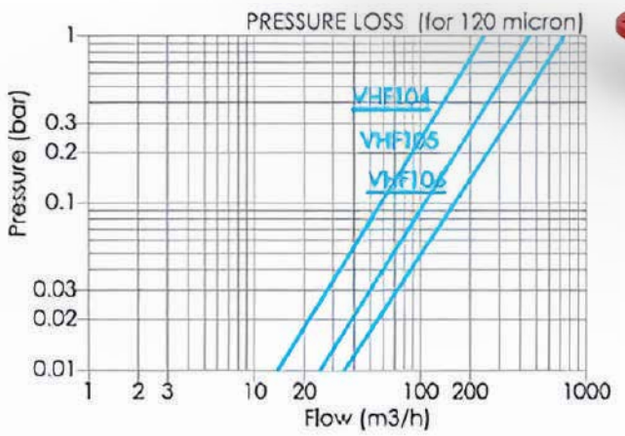
- Body Material: S235JR / SS 316L / SS 304 L
- Screen Material: SS 304L, PA6GFR30
- Maximum Working Pressure: 10 Bar (145 PSI)
- Minimum Working Pressure: 2.5 Bar (36 PSI)
- Maximum Working Temperature: 60°C (140°F)
- Back Flush Operation Criteria: Time and / or Pressure Differential
- Back Flush Controlling Unit: Electronic (AC/DC) or Hydraulic Control
- Filtration Degree: 20-2000 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

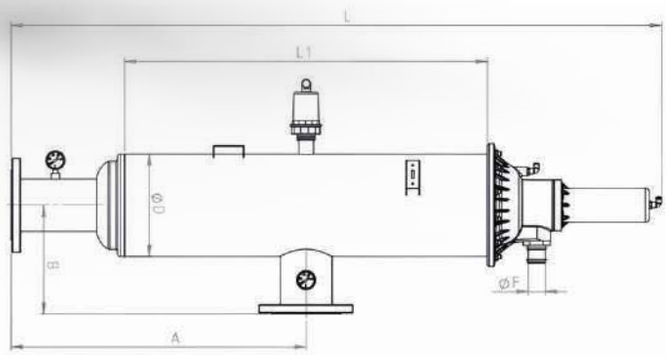
WORKING PRINCIPLE

Aytok Hydrofilt VEF / VDF - CVEF / CVDF filters are electronically controlled fully automatic backwashing filters. For the automatic backwashing process to take place, no additional power is needed; pumping the water is sufficient. However, for the detection of contamination and the initiation of backwashing, the electronic control unit needs to be powered by an internal battery. Through the pressure generated by the energy taken from the pump, a fully automatic backwash is performed, cleaning the filter element, which means the filter self-cleans. The filtration process continues while this backwashing mechanism is in operation. The dirty water generated during backwashing is automatically discharged. Considering these aspects, the VEF / VDF series and its stainless steel body version, the CVEF / CVDF series, have become more agile and efficient compared to manually backwashed and semi-automatic backwash systems. Moreover, it minimizes the user's time and water loss.

VERTICAL SELF CLEANING FILTER - VHF / EVF

SCREEN
automatic





CODE	Inlet / Outlet (inch)	Inlet / Outlet (DN)	A (mm)	B (mm)	L1 (mm)	L (mm)	D (inch)	F (inch)	Drain Flow Rate (L/s)	Drain Flow Rate (GPM(US))	Main Flow Rate (m^3/h)	Main Flow Rate (GPM(US))	Filtration Area (cm^2)	Nozzle (Qty)	Screen (Qty)	Weight (kg)
VHF / EVF 104	4	100	680	287	770	1532	10	2	3,3	53	120	528	2634	2	4	61
VHF / EVF 104S	4	100	780	287	970	1725	10	2	4,1	66	140	616	3951	3	6	67
VHF / EVF 105	5	125	780	287	970	1725	10	2	4 1	66	150	660	3951	3	6	69
VHF / EVF 105S	5	125	880	287	1170	1925	10	2	5	79	160	704	5268	4	8	74
VHF / EVF 106	6	150	880	287	1170	1925	10	2	5	79	180	792	5268	4	8	81
VHF / EVF 126S	6	150	1085	312	1587	2335	12	2	6,6	106	220	968	7902	6	12	122
VHF / EVF 128	8	200	1085	312	1587	2335	12	2	6,6	106	320	1408	7902	6	12	125

GENERAL CHARACTERISTICS

- Body Material: S235JR / SS 316L / SS 304 L
- Screen Material: SS 304L, PA6GFR30
- Maximum Working Pressure: 10 Bar (145 PSI)
- Minimum Working Pressure: 2.5 Bar (36 PSI)
- Maximum Working Temperature: 60°C (140°F)
- Back Flush Operation Criteria: Time and / or Pressure Differential
- Back Flush Controlling Unit: Electronic (AC/DC) or Hydraulic Control
- Filtration Degree: 20-2000 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

WORKING PRINCIPLE

Aytok Hydrofilt VHF / EVF filters; EVF is electronically controlled, VHF is hydraulically controlled, capable of fully automatic backwashing. For this automatic backwashing process, no additional energy is required; it is sufficient to pump the water. However, for the detection of contamination and initiation of backwashing, the electronic control unit must be powered by an internal battery. Full automatic backwashing is achieved by cleaning the filter element using the pressure generated by the energy taken from the pump, allowing the filter to self-clean. Filtration continues during this backwashing process. The dirty water generated during the backwashing is automatically discharged. Considering these aspects, the VHF - EVF series and its stainless body version, the CVHF - CEVF series, have become more agile and efficient compared to manual backwashing and semi-automatic backwashing systems. It also minimizes time and water waste for the user.

HORIZONTAL SELF CLEANING FILTER - HDF / EF

SCREEN
automatic

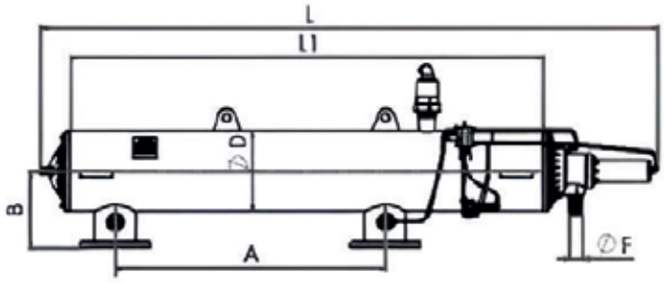
GENERAL CHARACTERISTICS

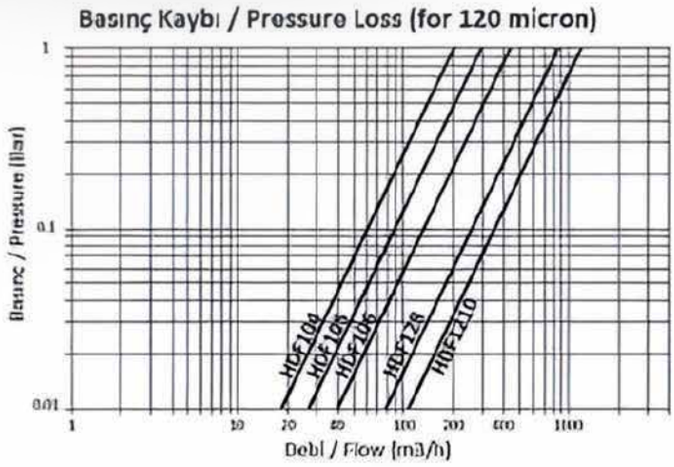
- Body Material: S235JR / SS 316L / SS 304 L
- Screen Material: SS 304L, PA6GFR30
- Maximum Working Pressure: 10 Bar (145 PSI)
- Minimum Working Pressure: 2.5 Bar (36 PSI)
- Maximum Working Temperature: 60°C (140°F)
- Back Flush Operation Criteria: Time and / or Pressure Differential
- Back Flush Controlling Unit: Electronic (AC/DC) or Hydraulic Control
- Filtration Degree: 20-2000 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

WORKING PRINCIPLE

Aytok Hydrofilt EF / CEF - HDF / CHDF filters are electronic control, fully automatic backwashing filters. An additional power source is not required for this automatic backwashing process; it is sufficient to pump water. However, in order to detect contamination and initiate the backwashing process, the electronic control unit needs to be powered by an internal battery. Through the pressure generated by the energy taken from the water pump, a fully automatic backwashing process is carried out to clean the filtration element, allowing the filter to self-clean. Filtration continues during this backwashing process. The dirty water generated during the backwashing process is automatically discharged. Considering these aspects, the HDF - EF series and its stainless steel body version, the CHDF - CEF series, have become more agile and efficient compared to manually backwashed and semi-automatic backwashing systems. Additionally, it minimizes the user's time and water loss.

TECHNICAL SPECIFICATION





CODE	Inlet / Outlet (inch)	Inlet / Outlet (DN)	A (mm)	B (mm)	L1 (mm)	L (mm)	D (inch)	F (inch)	Drain Flow Rate (L/s)	Drain Flow Rate (GPM(US))	Main Flow Rate (m^3/h)	Main Flow Rate (GPM(US))	Filtration Area (cm^2)	Nozzle (Qty)	Screen (Qty)	Weight (kg)
HDF / EF 104	4	100	500	287	1020	1600	10	2	3,3	53	120	528	2634	2	4	71
HDF / EF 104S	4	100	600	287	1220	1800	10	2	4,1	66	140	616	3951	3	6	81
HDF / EF 105	5	125	600	287	1220	1800	10	2	4,1	66	150	660	3951	3	6	83
HDF / EF 105S	5	125	900	287	1530	2110	10	2	5	79	160	704	5268	4	8	89
HDF / EF 106	6	150	900	287	1530	2110	10	2	5	79	180	792	5268	4	8	93
HDF / EF 126S	6	150	1100	312	1922	2510	12	2	6,6	106	220	968	7902	6	12	130
HDF / EF 128	8	200	1100	312	1922	2510	12	2	6,6	106	320	1408	7902	6	12	133
HDF / EF 1210	10	250	1100	312	1922	2510	12	2	6,6	106	380	1672	7902	6	12	142

VERTICAL SELF-CLEAN FILTER - VBE

SCREEN
automatic

Aytok Hydrofilt VBE/CVBE filters; are electronically controlled capable of fully automatic backwash filters. For this process, the pumping of water will be enough and no need for extra energy. However, the electronic control unit must be powered by an internal battery in order to detect the contamination and start the backwash. By the help of the pressure occured as a result of the energy that the water receives from the pump, fully automatic backwashing is carried out and all filtering element are automatically cleaned. While this backwashing mechanism is operating, the filtering process continues. The dirty water occured in this process is automatically discharged during backwashing. Considering these aspects, the VBE series and its stainless body version (CVBE) series are fully automatic filters and more agile and efficient than systems with manual backwash and semi-automatic backwash. It also minimizes the user's time and water loss.

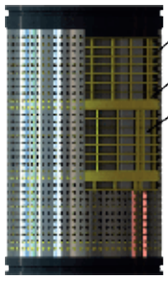
GENERAL CHARACTERISTICS

- Body Material: S235JR / SS 316L / SS 304 L
- Screen Material: SS 304L, PA6GFR30
- Maximum Working Pressure : 10 Bar (145 PSI)
- Minimum Working Pressure: 2,5 Bar (36 PSI)
- Maximum Working Temperature: 60 °C (140 °F)
- Back Flush Operation Criteria: Time and / or Pressure Differential
- Back Flush Controlling Unit: Electronic (AC/DC) Control
- Filtration Degree: 20-2000 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

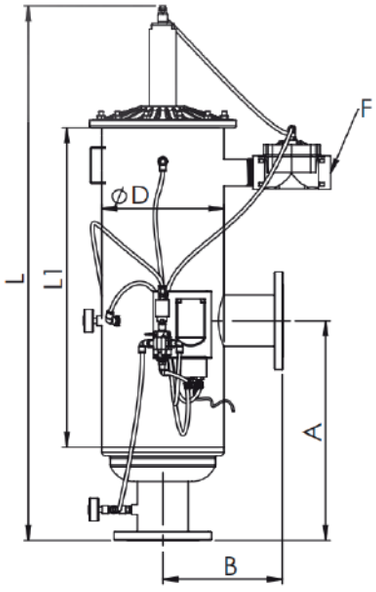
WORKING PRINCIPLE

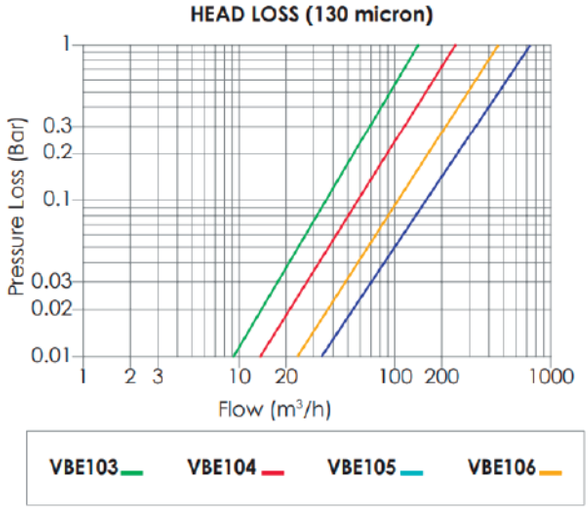
The water enters to from inlet and passes through the area where the fine screen is located. The water then flows to the outlet, the water forms the pollution layer on the inner surface of the screen, and this pollution causes a pressure difference at the inlet and outlet of the filter. As soon as this pressure difference reaches to a predetermined level, backwashing starts automatically.At a specified value, the backwash control unit opens the drain valve and creates a strong atmosphere backwash pressure in the drain pipe. The flow occured by this backwash pressure absorbs the dirt on the inner surface of the filter by making a vacuum effect on the nozzles and rotates the cleaning collector by passing through the cleaning collector, hydraulic turbine and drainage pipe. In the turbine chamber, the piston and the piston rod provide a linear motion to the cleaning collector. This rotation and linear movement ensures that the pollution layer on the inner surface of the filter is absorbed by the nozzles. When the process is finished, the cleaning collector returns to its original position automatically and the washing process is completed. During the backwash, the filtering process continues. In order to work the system efficiently, the inlet pressure should not be less than 2 bar (29 psi) during backwashing.

TECHNICAL SPECIFICATION



1 Protector coarse screen SS304L
2 Molded plastic rib (PA6)
3 The main filtering screen





CODE	Inlet / Outlet (inch)	Inlet / Outlet (DN)	A (mm)	B (mm)	L1 (mm)	L (mm)	D (inch)	F (inch)	Drain Flow Rate (L/s)	Drain Flow Rate (GPM(US))	Main Flow Rate (m³/h)	Main Flow Rate (GPM(US))	Filtration Area (cm²)	Nozzle (Qty)	Screen (Qty)	Weight (kg)
VBE102	2	50	390	270	400	835	10	2	3,3	53	30	132	1317	2	2	46
VBE102S	2	50	440	270	500	935	10	2	4,1	66	45	198	1975	3	3	50
VBE1025F	2 1/2	65	390	270	400	835	10	2	3,3	53	40	176	1317	2	2	51
VBE1025	2 1/2	65	440	270	500	935	10	2	4,1	66	50	220	1975	3	3	52
VBE103F	3	80	390	270	400	835	10	2	3,3	53	55	242	1317	2	2	52
VBE103	3	80	440	270	500	935	10	2	4,1	66	70	308	1975	3	3	54
VBE104F	4	100	440	270	500	935	10	2	4,1	66	100	440	1975	3	3	56
VBE104	4	100	490	270	600	1035	10	2	5	79	120	528	2634	4	4	59
VBE104S	4	100	760	287	925	1535	10	2	4,1	66	140	616	3951	3	6	76
VBE105	5	125	760	287	925	1535	10	2	4,1	66	150	660	3951	3	6	79
VBE105S	5	125	840	287	1125	1735	10	2	5	79	160	704	5268	4	8	85
VBE106	6	150	840	287	1125	1735	10	2	5	79	180	792	5268	4	8	90

HORIZONTAL SELF CLEANING FILTER - HBE

SCREEN
automatic

Aytok Hydrofilt HBE/CHBE filters; are electronically controlled capable of fully automatic backwash filters. For this process, the pumping of water will be enough and no need for extra energy. However, the electronic control unit must be powered by an internal battery in order to detect the contamination and start the backwash. By the help of the pressure occured as a result of the energy that the water receives from the pump, fully automatic backwashing is carried out and all filtering element are automatically cleaned. While this backwashing mechanism is operating, the filtering process continues. The dirty water occured in this process is automatically discharged during backwashing.Considering these aspects, the HBE series and its stainless body version (CHBE) series are fully automatic filters and more agile and efficient than systems with manual backwash and semi-automatic backwash. It also minimizes the user's time and water loss.

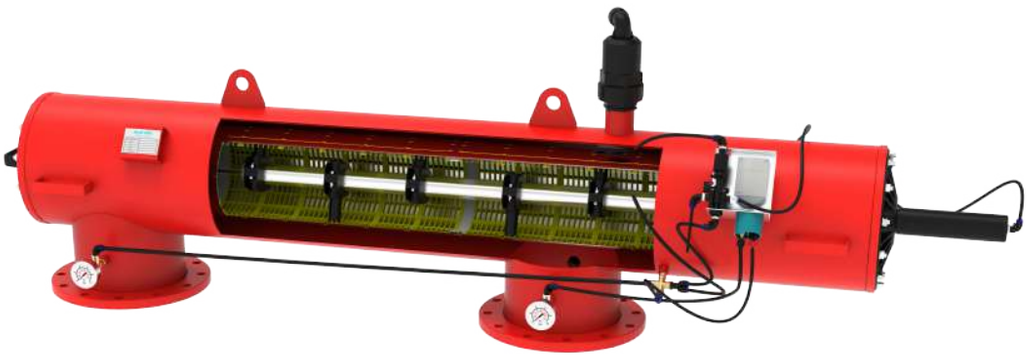
GENERAL CHARACTERISTICS

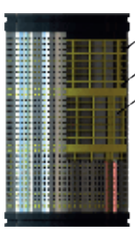
- Body Material: S235JR / SS 316L / SS 304 L
- Screen Material: SS 304L, PA6GFR30
- Maximum Working Pressure : 10 Bar (145 PSI)
- Minimum Working Pressure: 2.5 Bar (36 PSI)
- Maximum Working Temperature: 60 °C (140 °F)
- Back Flush Operation Criteria: Time and / or Pressure Differential
- Back Flush Controlling Unit: Electronic (AC/DC) Control
- Filtration Degree: 20-2000 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

WORKING PRINCIPLE

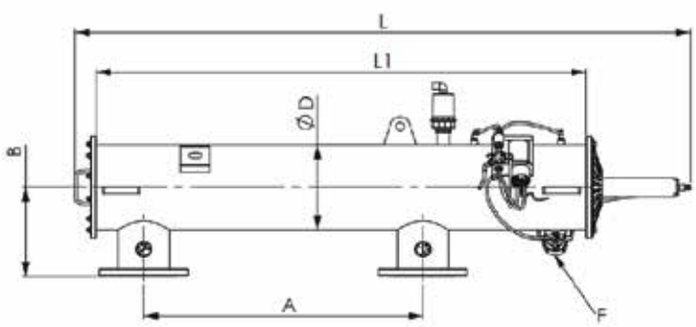
The water entering the filter passes through the coarse screen and passes to the area where the fine screen filter is located. The water continues to flow from the fine screen to the outlet and creates a layer of pollution on the inner surface of the fine screen and this pollution causes a pressure difference at the inlet and outlet of the filter. As soon as this pressure difference reaches a predetermined level, backwashing starts and the backwash control unit opens the discharge valve. Atmospheric pressure creates a strong backwash in the discharge pipe and a strong flow ls also provided. This flow creats vacuum effect on the nozzles and the nozzles absorb the dirty layer from the inner surface of the filter. The cleaning collector rotates at this time and dirty water is discharged by passing through the cleaning collector, hydraulic turbine and the drainage pipe. In the turbine chamber, the piston and the piston rod provide a linear motion to the cleaning collector. This rotation and linear movement ensures that the pollution layer on the inner surface of the filter is absorbed by the nozzles. When the process is finished, the cleaning collector returns to its original position automatically and the washing process is completed. During the backwash, the filtering process continues. In order to work the system efficiently, the inlet pressure should not be less than 2 bar (29 psi) during backwashing.

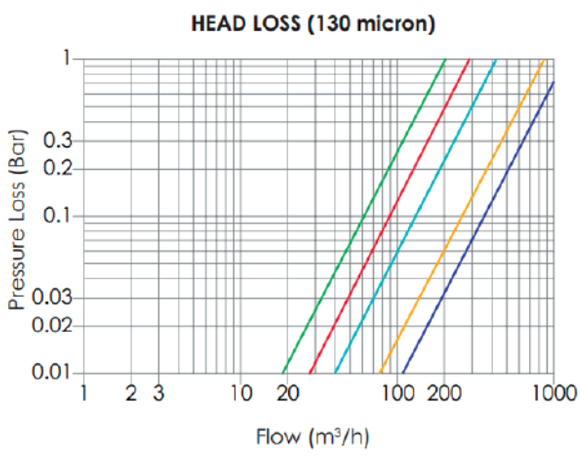
TECHNICAL SPECIFICATION





1 Protector coarse screen SS304L
2 Molded plastic rib (PA6)
3 The main filtering screen





CODE	Inlet / Outlet (inch)	Inlet / Outlet (DN)	A (mm)	B (mm)	L1 (mm)	L (mm)	D (inch)	F (inch)	Drain Flow Rate (L/s)	Drain Flow Rate (GPM(US))	Main Flow Rate (m³/h)	Main Flow Rate (GPM(US))	Filtration Area (cm²)	Nozzle (Qty)	Screen (Qty)	Weight (kg)
HBE104	4	100	500	287	1070	1510	10	2	3,3	53	120	528	2634	2	4	64
HBE104S	4	100	600	287	1270	1710	10	2	4,1	66	140	616	3951	3	6	75
HBE105	5	125	600	287	1270	1710	10	2	4,1	66	150	660	3951	3	6	78
HBE105S	5	125	900	287	1580	2020	10	2	5	79	160	704	5268	4	8	89
HBE106	6	150	900	287	1580	2020	10	2	5	79	180	792	5268	4	8	94
HBE126S	6	150	1100	312	1972	2410	12	2	6,6	106	220	968	7902	6	12	132
HBE128	8	200	1100	312	1972	2410	12	2	6,6	106	320	1408	7902	6	12	135
HBE1210	10	250	1100	312	1972	2410	12	2	6,6	106	380	1672	7902	6	12	166

VERTICAL SELF CLEANING FILTER WITH MOTOR RECUDER - VRF

SCREEN
automatic

Aytok Hydrofilt VRF/CVRF filters; are the filters that enable the movement of the collector pipe by the reducer electric motor and can discharge the dirty water by the motorized valve. These filters can perform fully automatic backwashing and can work by 220 and 380 Volt alternating current. ΔP (Pressure Difference) Sensor is used in the electronic control unit to detect the contamination and start the backwash. The opening of the motorized valve directed by the control unit, and the back and forth movement of the gearmotor by the rotational effect, ensures that the particles adhering to the inner surface of the screen are removed and discharged. When the gearmotor completes its cycle, the motorized valve closes and the process is completed. While this backwashing mechanism is operating, the filtering process continues. The dirty water formed in this process is automatically discharged during backwashing.

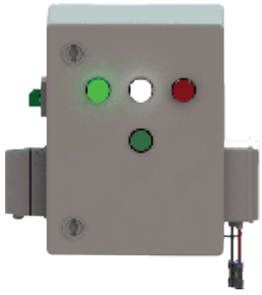
GENERAL CHARACTERISTICS

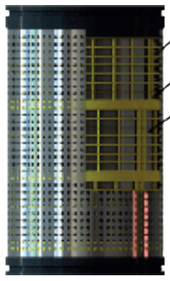
- Body Material: S235JR / SS 316L / SS 304 L
- Screen Material: SS 304L, PA6GFR30
- Maximum Working Pressure : 10 Bar (145 PSI)
- Minimum Working Pressure: 1 Bar (14.5 PSI)
- Maximum Working Temperature: 60 °C (140 °F)
- Back Flush Operation Criteria: Time and / or Pressure Differential
- Back Flush Controlling Unit: Electronic (AC) Control
- Filtration Degree: 20-2000 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

WORKING PRINCIPLE

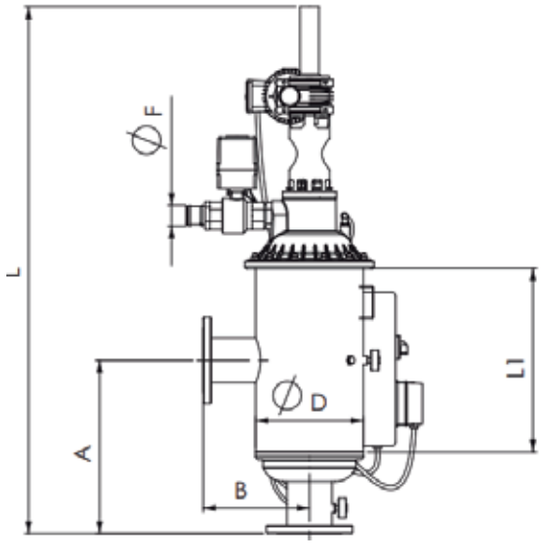
The water entering the filter passes through the coarse screen and passes to the area where the fine screen filter is located. The water continues to flow from the fine screen to the outlet and creates a layer of pollution on the inner surface of the fine screen and this pollution causes a pressure difference at the inlet and outlet of the filter. The dirty layer on the screen surface causes difficulty on the water flow. This flow difficulty creates a pressure difference between the inlet and outlet. The difference value is detected by the ΔP sensor and transmitted to the control unit to start the washing. The Control Unit opens the motorized valve. While the motorized valve is discharging the dirty water; the control unit activates the motor. The circular movement of the gearmotor ensures a helical movement on the suction nozzles which are on the collector assembly make. The transmission of the movement is made with a square gear shaft. The movement of the reducer motor is controlled by optical sensors. Thus, the screen surface is completely scanned and the dirty layer is cleaned. The absorption of the dirty layer is made by the nozzles, as the system that opens to the atmosphere creates a vacuum effect in the filter. The sucked particles pass through the cover body by the collector assembly and are discharged out from the discharge section. The collector set returns to its starting position and continues the washing while returning also. The relief valve is closed and the cleaning process is completed. The filtration process is not interrupted during backwashing.

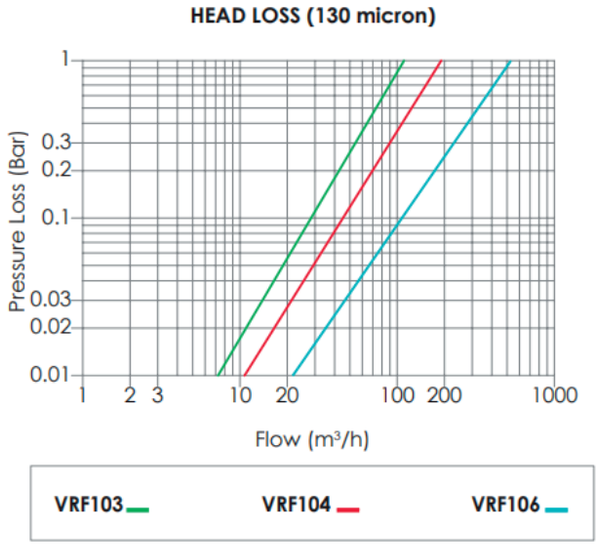
TECHNICAL SPECIFICATION





1 Protector coarse screen SS304L
2 Molded plastic rib (PA6)
3 The main filtering screen





CODE	Inlet / Outlet (inch)	Inlet / Outlet (DN)	A (mm)	B (mm)	L1 (mm)	L (mm)	D (inch)	F (inch)	Drain Flow Rate (L/s)	Drain Flow Rate (GPM(US))	Main Flow Rate (m^3/h)	Main Flow Rate (GPM(US))	Filtration Area (cm^2)	Nozzle (Qty)	Screen (Qty)	Weight (kg)
VRF102F	2	50	310	270	205	1022	10	2	3,3	53	30	132	658	2	1	27
VRF1025F	2 1/2	65	310	270	205	1022	10	2	3,3	53	40	176	658	2	1	28
VRF102	2	50	390	270	365	1182	10	2	3,3	53	40	176	1317	2	2	43
VRF1025	2 1/2	65	390	270	365	1182	10	2	3,3	53	50	220	1317	2	2	44
VRF103	3	80	390	270	365	1182	10	2	3,3	53	55	242	1317	2	2	45
VRF103S	3	80	440	270	465	1282	10	2	4,1	66	70	308	1975	3	3	48
VRF104	4	100	440	270	465	1282	10	2	4,1	66	100	440	1975	3	3	50
VRF104S	4	100	490	270	565	1432	10	2	5	79	120	528	2634	4	4	52
VRF105	5	125	690	287	880	2012	10	2	4,1	66	150	660	3951	3	6	60
VRF105S	5	125	840	287	1080	2212	10	2	5	79	160	704	5268	4	8	132
VRF106	6	150	840	287	1080	2212	10	2	5	79	180	792	5268	4	8	135

HORIZONTAL SELF CLEANING FILTER WITH MOTOR REDUCER - RF

SCREEN
automatic

Aytok Hydrofilt RF/CRF filters; are the filters that enable the movement of the collector pipe by the reducer electric motor and can discharge the dirty water by the motorized valve. These filters can perform fully automatic backwashing and can work by 220 and 380 Volt alternating current. ΔP (Pressure Difference) Sensor is used in the electronic control unit to detect the contamination and start the backwash. The opening of the motorized valve directed by the control unit, and the back and forth movement of the reducer motor by the rotational effect, ensures that the particles adhering to the inner surface of the screen are removed and discharged. When the reducer motor completes its cycle, the motorized valve closes and the process is completed. While this backwashing mechanism is operating, the filtering process continues. The dirty water formed in this process is automatically discharged during backwashing.

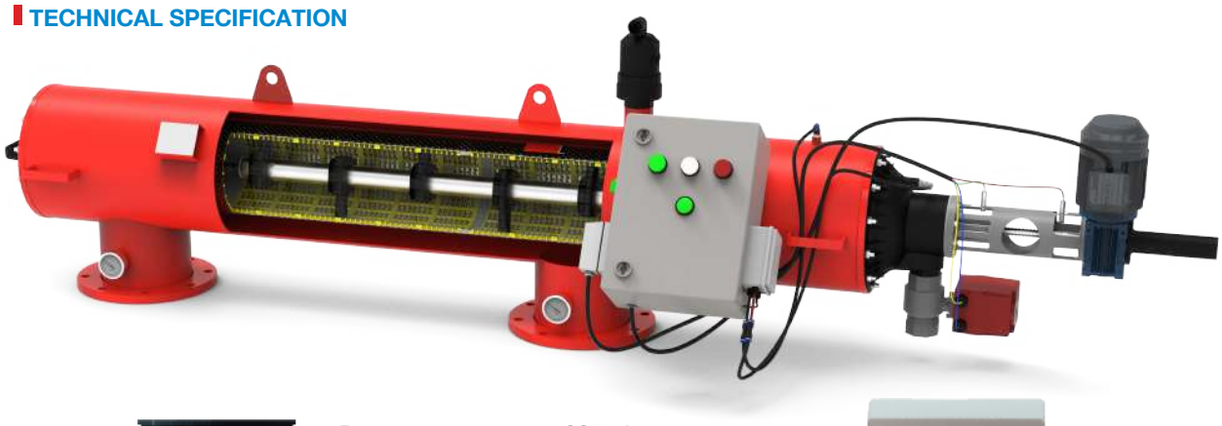
GENERAL CHARACTERISTICS

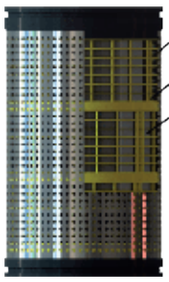
- Body Material: S235JR / SS 316L / SS 304 L
- Screen Material: SS 304L, PA6GFR30
- Maximum Working Pressure : 10 Bar (145 PSI)
- Minimum Working Pressure: 1 Bar (15 PSI)
- Maximum Working Temperature: 60 °C (140 °F)
- Back Flush Operation Criteria: Time and / or Pressure Differential
- Back Flush Controlling Unit: Electronic (AC) Control
- Filtration Degree: 20-2000 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

WORKING PRINCIPLE

The water entering the filter passes through the coarse screen and passes to the area where the fine screen filter is located. The water continues to flow from the fine screen to the outlet and creates a layer of pollution on the inner surface of the fine screen and this pollution causes a pressure difference at the inlet and outlet of the filter. The dirty layer on the screen surface causes difficulty on the water flow. This flow difficulty creates a pressure difference between the inlet and outlet. The difference value is detected by the ΔP sensor and transmitted to the control unit to start the washing. The Control Unit opens the motorized valve. While the motorized valve is discharging the dirty water; the control unit activates the engine. The circular movement of the reducer motor ensures a helical movement on the suction nozzles which are on the collector assembly make. The transmission of the movement is made with a square threaded shaft. The movement of the reducer motor is controlled by optical sensors. Thus, the screen surface is completely scanned and the dirty layer is cleaned. The absorption of the dirty layer is made by the nozzles, as the system that opens to the atmosphere creates a vacuum effect in the filter. The sucked particles pass through the cover body by the collector assembly and are discharged out from the discharge section. The collector set returns to its starting position and continues the washing while returning also. The relief valve is closed and the cleaning process is completed. The filtration process is not interrupted during backwashing.

TECHNICAL SPECIFICATION

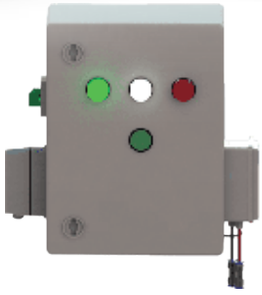


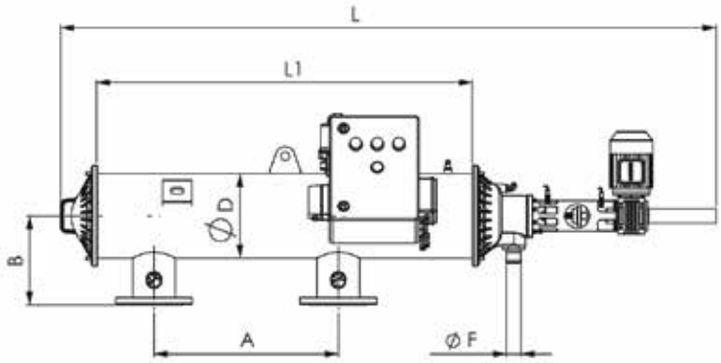


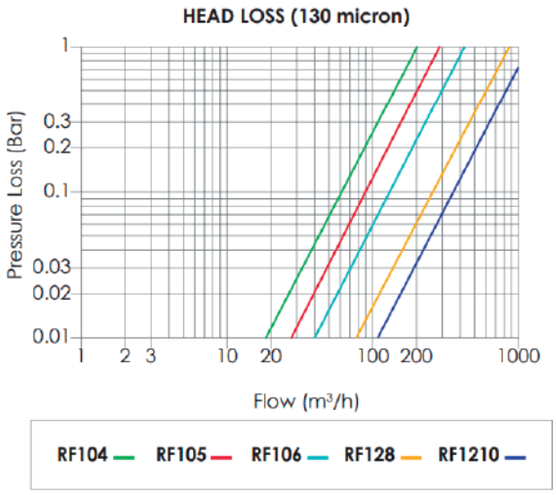
1 Protector coarse screen SS304L

2 Molded plastic rib (PA6)

3 The main filtering screen



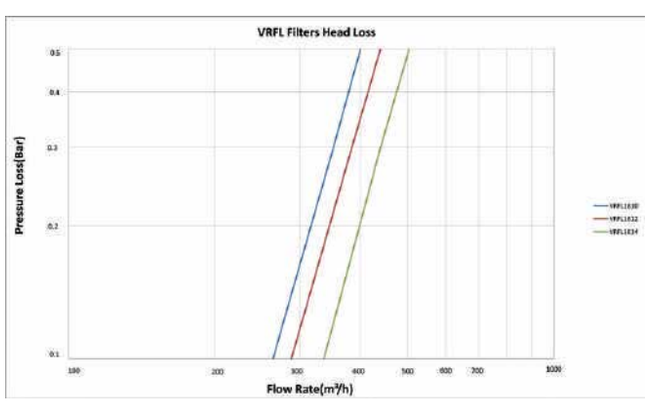


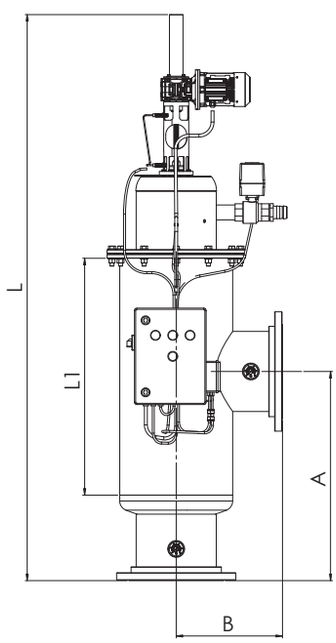


CODE	Inlet / Outlet (inch)	Inlet / Outlet (DN)	A (mm)	B (mm)	L1 (mm)	L (mm)	D (inch)	F (inch)	Drain Flow Rate (L/s)	Drain Flow Rate (GPM(US))	Main Flow Rate (m³/h)	Main Flow Rate (GPM(US))	Filtration Area (cm²)	Nozzle (Qty)	Screen (Qty)	Weight (kg)
RF104	4	100	500	287	920	1770	10	2	3,3	53	120	528	2634	2	4	90
RF104S	4	100	600	287	1120	1970	10	2	4,1	66	140	616	3951	3	6	100
RF105	5	125	600	287	1120	1970	10	2	4,1	66	150	660	3951	3	6	100
RF105S	5	125	900	287	1430	2285	10	2	5	79	160	704	5268	4	8	108
RF106	6	150	900	287	1430	2285	10	2	5	79	180	792	5268	4	8	110
RF126S	6	150	1100	312	1822	2825	12	2	6,6	106	220	968	7902	6	12	150
RF128	8	200	1100	312	1822	2825	12	2	6,6	106	320	1408	7902	6	12	152
RF1210	10	250	1100	312	1822	2825	12	2	6,6	106	380	1672	7902	6	12	165

VERTICAL SELF CLEANING FILTER WITH MOTOR RECUDER - VRFL

SCREEN
automatic





CODE	Inlet / Outlet (inch)	Inlet / Outlet (DN)	A (mm)	B (mm)	L1 (mm)	L (mm)	D (inch)	F (inch)	Drain Flow Rate (L/s)	Drain Flow Rate (GPM(US)	Main Flow Rate (m³/h)	Main Flow Rate (GPM(US)	Filtration Area (cm²)	Nozzle (Qty)	Screen (Qty)	Weight (kg)
VRFL1810	10	250	845	430	968	2273	18	2	5	79	500	2200	10028	4	1	212
VRFL1812	12	300	845	430	968	2273	18	2	5	79	500	2200	10028	4	1	220

GENERAL CHARACTERISTICS

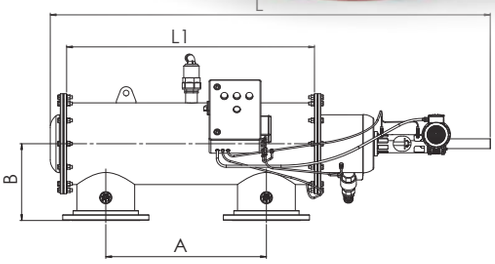
- Body Material: S235JR / SS 316L / SS 304 L
- Screen Material: SS 304L, PA6GFR30
- Maximum Working Pressure : 10 Bar (145 PSI)
- Minimum Working Pressure: 1 Bar (15 PSI)
- Maximum Working Temperature: 60 °C (140 °F)
- Back Flush Operation Criteria: Time and / or Pressure Differential
- Back Flush Controlling Unit: Electronic (AC/DC) Control
- Filtration Degree: 20-2000 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

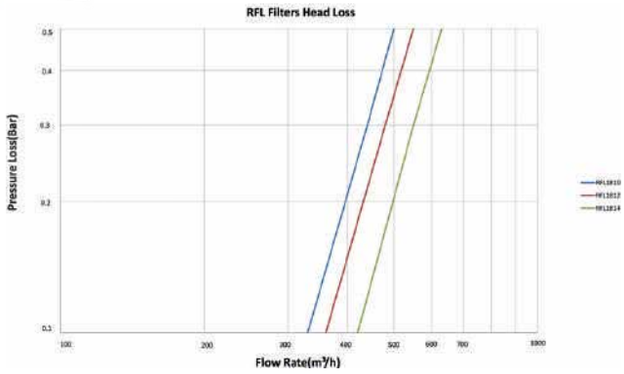
WORKING PRINCIPLE

The water entering the filter passes through the coarse screen and passes to the area where the fine screen filter is located. The water continues to flow from the fine screen to the outlet and creates a layer of pollution on the inner surface of the fine screen and this pollution causes a pressure difference at the inlet and outlet of the filter. The dirty layer on the screen surface causes difficulty on the water flow. This flow difficulty creates a pressure difference between the inlet and outlet. The difference value is detected by the ΔP sensor and transmitted to the control unit to start the washing. The Control Unit opens the motorized valve. While the motorized valve is discharging the dirty water; the control unit activates the motor. The circular movement of the gearmotor ensures a helical movement on the suction nozzles which are on the collector assembly make. The transmission of the movement is made with a square gear shaft. The movement of the reducer motor is controlled by optical sensors. Thus, the screen surface is completely scanned and the dirty layer is cleaned. The absorption of the dirty layer is made by the nozzles, as the system that opens to the atmosphere creates a vacuum effect in the filter. The sucked particles pass through the cover body by the collector assembly and are discharged out from the discharge section. The collector set returns to its starting position and continues the washing while returning also. The relief valve is closed and the cleaning process is completed. The filtration process is not interrupted during backwashing.

HORIZONTAL SELF CLEANING FILTER WITH MOTOR RECUDER - RFL

SCREEN
automatic





CODE	Inlet / Outlet (inch)	Inlet / Outlet (DN)	A (mm)	B (mm)	L1 (mm)	L (mm)	D (inch)	F (inch)	Drain Flow Rate (L/s)	Drain Flow Rate (GPM(US))	Main Flow Rate (m³/h)	Main Flow Rate (GPM(US))	Filtration Area (cm²)	Nozzle (Qty)	Screen (Qty)	Weight (kg)
RFL1810	10	250	900	430	1410	2465	18	2	5	79	500	2200	10028	4	1	275
RFL1812	12	300	900	430	1410	2465	18	2	5	79	500	2200	10028	4	1	285
RFL1814	14	350	1000	430	1810	2865	18	2	6,6	106	900	3960	14803	6	1	330
RFL1816	16	400	1000	430	1810	2865	18	2	6,6	106	900	3960	14803	6	1	340

GENERAL CHARACTERISTICS

- Body Material: S235JR / SS 316L / SS 304 L
- Screen Material: SS 304L, PA6GFR30
- Maximum Working Pressure : 10 Bar (145 PSI)
- Minimum Working Pressure: 1 Bar (15 PSI)
- Maximum Working Temperature: 60 °C (140 °F)
- Back Flush Operation Criteria: Time and / or Pressure Differential
- Back Flush Controlling Unit: Electronic (AC/DC) Control
- Filtration Degree: 20-2000 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

WORKING PRINCIPLE

The water entering the filter passes through the coarse screen and passes to the area where the fine screen filter is located. The water continues to flow from the fine screen to the outlet and creates a layer of pollution on the inner surface of the fine screen and this pollution causes a pressure difference at the inlet and outlet of the filter. The dirty layer on the screen surface causes difficulty on the water flow. This flow difficulty creates a pressure difference between the inlet and outlet. The difference value is detected by the ΔP sensor and transmitted to the control unit to start the washing. The Control Unit opens the motorized valve. While the motorized valve is discharging the dirty water; the control unit activates the engine. The circular movement of the reducer motor ensures a helical movement on the suction nozzles which are on the collector assembly make. The transmission of the movement is made with a square threaded shaft. The movement of the reducer motor is controlled by optical sensors. Thus, the screen surface is completely scanned and the dirty layer is cleaned. The absorption of the dirty layer is made by the nozzles, as the system that opens to the atmosphere creates a vacuum effect in the filter. The sucked particles pass through the cover body by the collector assembly and are discharged out from the discharge section. The collector set returns to its starting position and continues the washing while returning also. The relief valve is closed and the cleaning process is completed. The filtration process is not interrupted during backwashing.

SEMI AUTOMATIC METAL SCREEN FILTER - MF

SCREEN
semi-automatic

Aytok Hydrofilt MF filters are a manually cleaned filter group. Cleaning must be done manually by the user. The need for washing is determined by observing the difference between the inlet and outlet pressures. If the pressure difference is increased, cleaning should be done. While washing is being done, the filtering process continues. The dirty water formed during the washing process is discharged from the discharge valve.

GENERAL CHARACTERISTICS

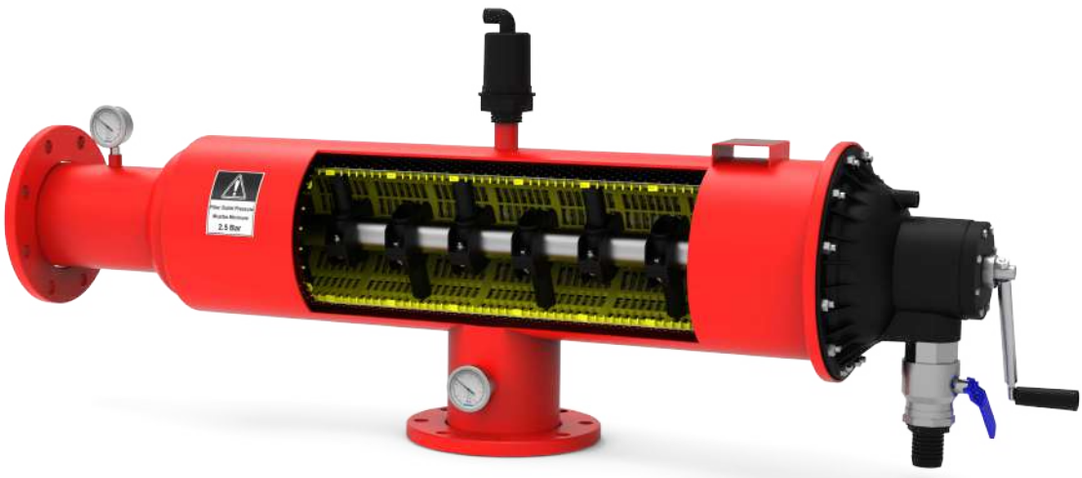
- Body Material: S235JR / SS 316L / SS 304 L
- Screen Material: SS 304L, PA6GFR30
- Maximum Working Pressure : 10 Bar (145 PSI)
- Minimum Working Pressure: 1 Bar (14.5 PSI)
- Maximum Working Temperature: 60 °C (140 °F)
- Back Flush Operation Criteria: Pressure Differential
- Back Flush Controlling Unit: Semi Automatic Control
- Filtration Degree: 20-2000 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

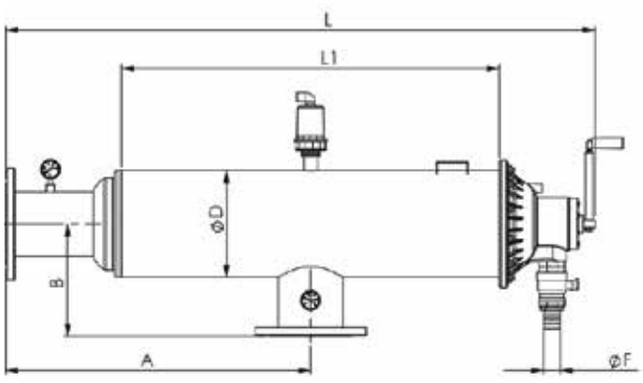
WORKING PRINCIPLE

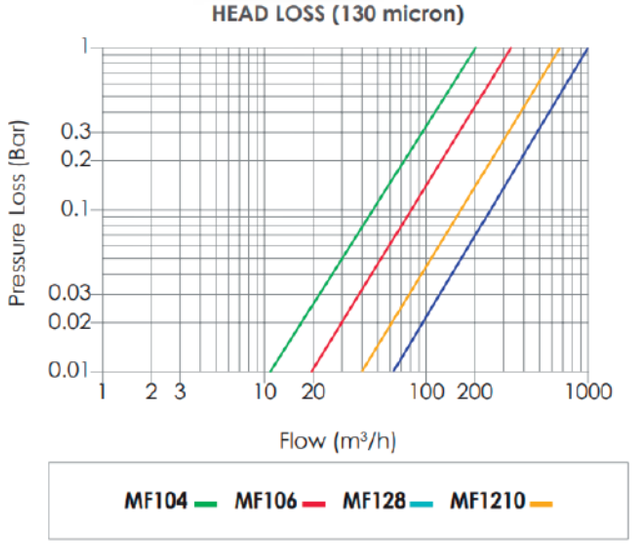
The water enters to from inlet and passes through the area where the fine screen is located. The clean water is filtered and sent to the outlet pipe. The water then flows to the outlet, the water forms the pollution layer on the inner surface of the screen, and this pollution causes a pressure difference at the inlet and outlet of the filter. This pressure difference must be observed manually from inlet and outlet manometers. In this case, the filter need flushing operation.

By opening the drainage valve, a vacuum effect is created on the collector pipe, which opens to the atmosphere, and suction is provided from the nozzles. After the drainage valve is opened, by manually turning the hand crank connected to the collector, the fine screen surface is completely scanned and the inlet and outlet pressures are equalized. After the equalized inlet and outlet pressures, the drain valve is closed and the flushing operation is completed.

TECHNICAL SPECIFICATION





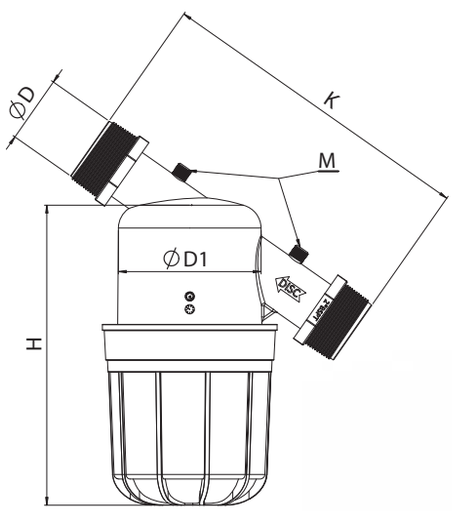


CODE	Inlet / Outlet (inch)	(DN)	A (mm)	B (mm)	L1 (mm)	L (mm)	D (inch)	F (inch)	Drain Flow Rate (L/s)	(GPM(US)	Main Flow Rate (m³/h)	(GPM(US)	Filtration Area (cm²)	Nozzle (Qty)	Screen (Qty)	Weight (kg)
MF102	2	50	390	270	365	1010	10	2	3,3	53	40	176	1317	2	2	36
MF1025	2 1/2	65	390	270	365	1010	10	2	3,3	53	50	220	1317	2	2	37
MF103	3	80	440	270	465	1110	10	2	4,1	66	70	308	1975	3	3	41
MF104	4	100	580	270	570	1210	10	2	5	79	120	528	2634	4	4	48
MF105	5	125	680	287	770	1400	10	2	4,1	66	150	660	3951	3	6	57
MF106	6	150	780	287	970	1600	10	2	5	79	180	792	5268	4	8	67
MF126S	6	150	985	312	1390	2020	12	2	6,6	106	220	968	7902	6	12	123
MF128	8	200	985	312	1390	2020	12	2	6,6	106	320	1408	7902	6	12	127


Aytok®
PLASTIC
FILTERS

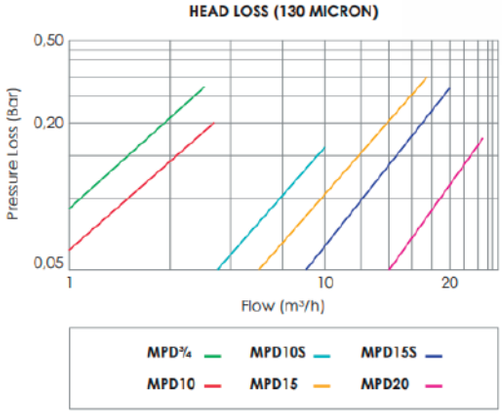
MINI PLASTIC FILTER - MPE / MPD

SCREEN and DISC manual

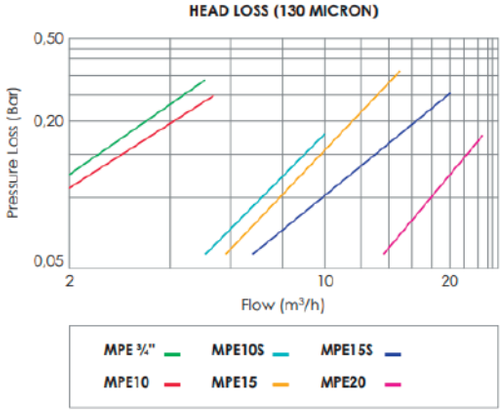


CODE	D (inch)	D (DN)	M (inch)	D1 (mm)	H (mm)	K (mm)	Flow Rate (m³/h)	Flow Rate (GPM(US))	Filtration Area (cm²)	Weight (kg)
MNPE34	3/4	20	-	68	190	160	5	22	165	0,3
MNPD34	3/4	20	-	68	190	160	5	22	185	0,45
MNPE10	1	25	-	68	190	160	6	26,4	165	0,3
MNPD10	1	25	-	68	190	160	6	26,4	185	0,45
MDPE10	1	25	-	96	230	220	10	44	300	0,75
MDPD10	1	25	-	96	230	220	10	44	325	1
MDPE14	1 1/4	32	-	96	230	220	13	57	300	0,75
MDPD14	1 1/4	32	-	96	230	220	13	57	325	1
MDPE15	1 1/2	40	-	96	230	220	15	66	300	0,75
MDPD15	1 1/2	40	-	96	230	220	15	66	325	1
MXPE15	1 1/2	40	1/4	120	280	270	20	88	515	1,2
MXPD15	1 1/2	40	1/4	120	280	270	20	88	550	1,5
MXPE20	2	50	1/4	120	280	270	25	110	515	1,2
MXPD20	2	50	1/4	120	280	270	25	110	550	1,5

HEAD LOSS (130 MICRON)



HEAD LOSS (130 MICRON)



GENERAL CHARACTERISTICS

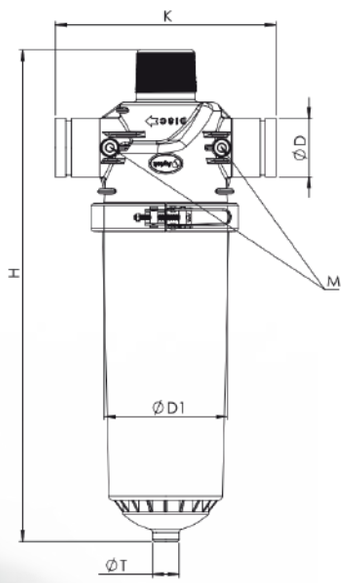
- Body Material: PP
- Cartridge Material: Disc Cartridge(PP), Screen Cartridge (SS 304L+PP)
- Maximum Working Pressure : 8 Bar (116 PSI)
- Maximum Working Temperature: 60 °C (140 °F)
- Filtration Degree: Screen (100-130-200 Micron)
  Disc (130 Micron)

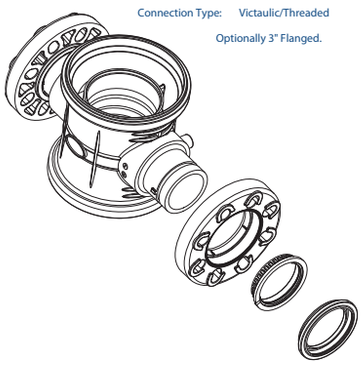
FILTER CLEANING

The pressure differance between the inlet and outlet is observed manually from the manometers. If the pressure difference increases, the water flow is cut off and the system is stopped. The cover is removed. Then the cartridge istaken out. If The filter is screen filter the screen is directly cleaned by pressurized water and reassemblied. If the filter is disc filter the disc cartridge screw is loosed and the discs are cleaned by pressurized water. Then the filter is reassemblied.

PLASTIC FILTER - PE / PD

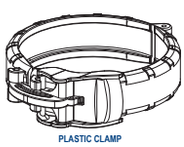
SCREEN and DISC manual



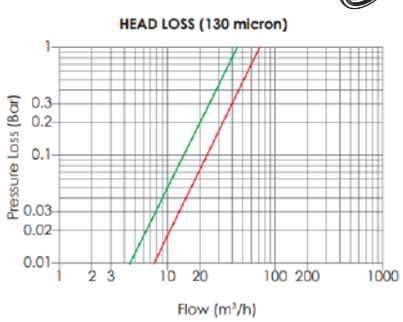


AS OPTIONAL,

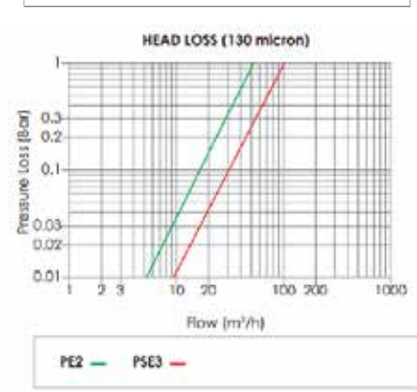
METAL CLAMP



PLASTIC CLAMP



CODE	D (inch)	D (DN)	M (inch)	T (inch)	D1 (mm)	H (mm)	K (mm)	Flow Rate (m³/h)	Flow Rate (GPM(US))	Filtration Area (cm²)	Weight (kg)
PME2	2	50	1/4	3/4	190	530	335	28	123,2	760	5,2
PMD2	2	50	1/4	3/4	190	530	335	28	123,2	868	6
PE2	2	50	1/4	3/4	190	650	335	30	132	1140	5,4
PD2	2	50	1/4	3/4	190	650	335	30	132	1302	7
PE25	2 1/2	65	1/4	3/4	190	650	335	35	154	1140	5,5
PD25	2 1/2	65	1/4	3/4	190	650	335	35	154	1302	7,1
PE3	3	80	1/4	3/4	190	650	335	45	198	1140	5,6
PD3	3	80	1/4	3/4	190	650	335	45	198	1302	7,2
PSE2	2	50	1/4	3/4	190	765	335	35	154	1520	6,3
PSD2	2	50	1/4	3/4	190	765	335	35	154	1805	8
PSE25	2 1/2	65	1/4	3/4	190	765	335	40	176	1520	6,4
PSD25	2 1/2	65	1/4	3/4	190	765	335	40	176	1805	8,1
PSE3	3	80	1/4	3/4	190	765	335	50	220	1520	6,5
PSD3	3	80	1/4	3/4	190	765	335	50	220	1805	8,2



GENERAL CHARACTERISTICS

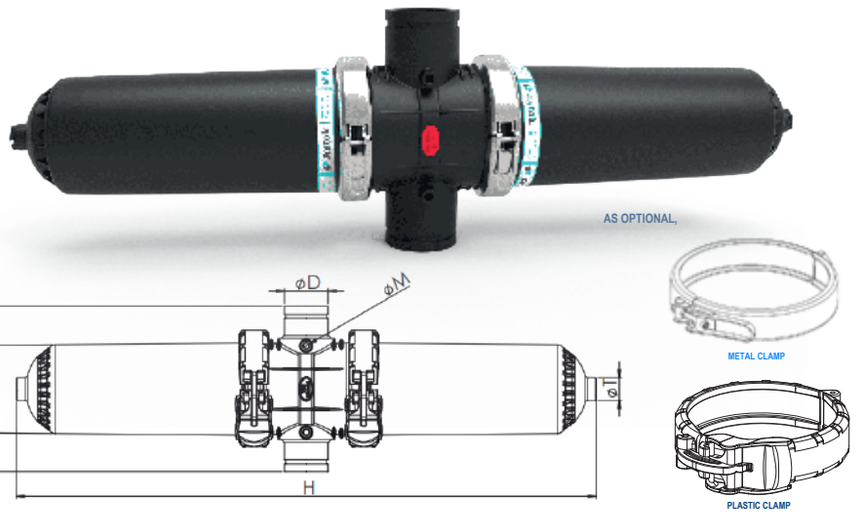
- Body Material: PA
- Cartridge Material: Disc Cartridge(PP), Screen Cartridge SS 304L, PA6GFR30
- Maximum Working Pressure : 8 Bar (116 PSI)
- Maximum Working Temperature: 60°C (140 °F)
- Filtration Degree: Screen (20 to 2000 Micron)
  Disc (20-50-100-130-200 Micron)

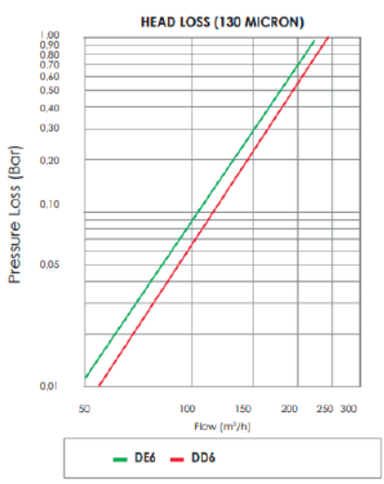
WORKING PRINCIBLE AND WASHING OPERATION

The particles coming from water source and entering to the filter, are not allowed to be sent to the filter outlet after being filtered through screen. These particles accumulate on the inner surface of the screen and a dirty layer is formed. This contamination event increases the pressure difference between the inlet and outlet of the filter. The pressure difference between the inlet and outlet is observed manually from the manometers. If the pressure difference increases, the water flow is cut off and the system is stopped. The clamps on the filter are opened and the cover is removed. Then the screen catridge is takenout cleaned bu using pressurized water and reassembled.

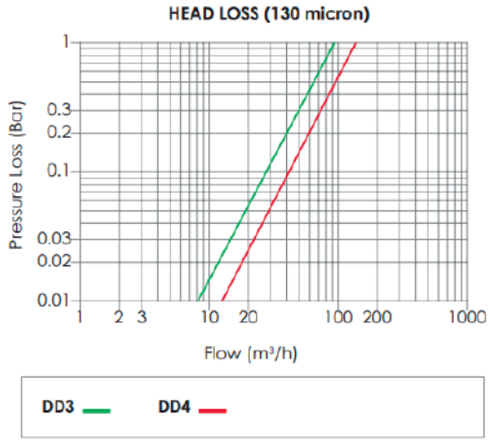
PLASTIC DOUBLE FILTERS - DE / DD

SCREEN and DISC manual





CODE	D (inch)	D (DN)	M (inch)	T (inch)	D1 (mm)	H (mm)	K (mm)	Flow Rate (m³/h)	Flow Rate (GPM(US))	Filtration Area (cm²)	Weight (kg)
DE3	3	80	1/4	3/4	190	977	365	50	220	2280	8,4
DD3	3	80	1/4	3/4	190	977	365	50	220	2604	11,4
DE4	4	100	1/4	3/4	190	977	365	70	308	2280	8,6
DD4	4	100	1/4	3/4	190	977	365	70	308	2604	11,6
DES3	3	80	1/4	3/4	190	1216	365	60	264	3040	9,8
DDS3	3	80	1/4	3/4	190	1216	365	60	264	3610	13,6
DES4	4	100	1/4	3/4	190	1216	365	80	352	3040	10
DDS4	4	100	1/4	3/4	190	1216	365	80	352	3610	13,8
DE6	6	150	1/4	2	242	1658	462	180	792	5532	21
DD6	6	150	1/4	2	242	1658	462	180	792	6212	28



GENERAL CHARACTERISTICS

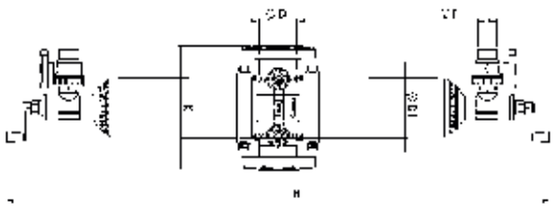
- Body Material: PA
- Cartridge Material: Disc Cartridge(PP), Screen Cartridge SS 304L,PA6GFR30
- Maximum Working Pressure : 8 Bar (116 PSI)
- Maximum Working Temperature: 60 °C (140 °F)
- Filtration Degree: Screen (20-2000 Micron)
  Disc (20-50-100-130-200 Micron)

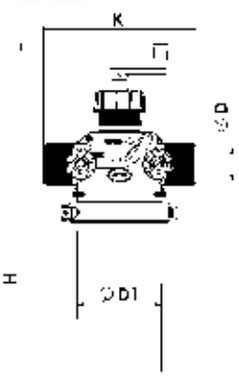
WORKING PRINCIBLE AND WASHING OPERATION

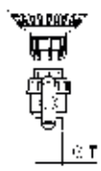
The particles coming from water source and entering to the filter, are not allowed to be sent to the filter outlet after being filtered through screen. These particles accumulate on the inner surface of the screen and a dirty layer is formed. This contamination event increases the pressure difference between the inlet and outlet of the filter. The pressure difference between the inlet and outlet is observed manually from the manometers. If the pressure difference increases, the water flow is cut off and the system is stopped. The clamps on the filter are opened and the cover is removed. Then the screen catridge is takenout cleaned bu using pressurized water and reassembled. The particles coming from water source and entering to the filter, are not allowed to be sent to the filter outlet after being filtered through discs. These particles accumulate on the outer surface of the discs and form a dirty layer. This contamination event increases the pressure difference between the inlet and outlet of the filter. If the pressure difference increases, the water flow is cut off and the system is stopped. The clamps on the filter are opened and the cover is removed. Then the disc cartridge is taken out and the plastic clamp lever is loosened and the discs are opened. It is cleaned bu using pressurized water and reassembled.

PLASTIC SEMI-AUTOMATIC FILTER - PV / DV

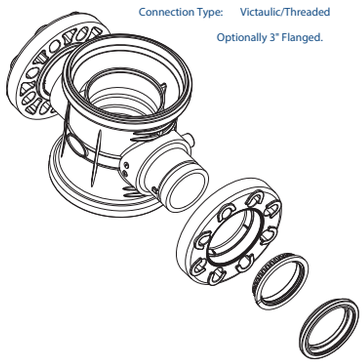
SCREEN
semi-automatic







Connection Type: Victaulic/Threaded
Optionally 3" Flanged.



CODE	D (inch)	D (DN)	M (inch)	T (inch)	D1 (mm)	H (mm)	K (mm)	Filtration Flow Rate (m^3/h)	Flow Rate (GPM(US))	Area (cm^2)	Weight (kg)
PV2	2	50	1/4	1 1/2	190	925	335	30	132	1140	7,2
PV25	2 1/2	65	1/4	1 1/2	190	925	335	35	154	1140	7,4
PV30	3	80	1/4	1 1/2	190	925	335	45	198	1140	7,6
PVS2	2	50	1/4	1 1/2	190	1045	335	35	154	1520	8,2
PVS25	2 1/2	65	1/4	1 1/2	190	1045	335	40	176	1520	8,4
PVS3	3	80	1/4	1 1/2	190	1045	335	50	220	1520	8,7
DV3	3	80	1/4	1 1/2	190	1440	365	50	220	2280	12,2
DV4	4	100	1/4	1 1/2	190	1440	365	70	308	2280	12,4
DVS3	3	80	1/4	1 1/2	190	1680	365	60	264	3040	14,2
DVS4	4	100	1/4	1 1/2	190	1680	365	80	352	3040	14,5
DV6	6	150	1/4	1 1/2	242	2300	462	180	792	5532	28

WORKING PRINCIPLE

The water enters to from inlet and passes through the area where the fine screen is located. The clean water is filtered and sent to the outlet pipe. The water then flows to the outlet, the water forms the pollution layer on the inner surface of the screen, and this pollution causes a pressure difference at the inlet and outlet of the filter. This pressure difference must be observed manually from inlet and outlet manometers. In this case, the filter need flushing operation.
By opening the drainage valve, a vacuum effect is created on the collector pipe, which opens to the atmosphere, and suction is provided from the nozzles. After the drainage valve is opened, by manually turning the hand crank connected to the collector, the fine screen surface is completely scanned and the inlet and outlet pressures are equalized. After the equalized inlet and outlet pressures, the drain valve is closed and the flushing operation is completed.

GENERAL CHARACTERISTICS

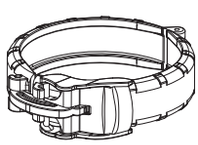
- Body Material : PA6GFR30
- Screen Material: SS304L, PA6GFR30
- Maximum Working Pressure : 8 Bar (116PSI)
- Minimum Working Pressure: 1 Bar (14,5 PSI)
- Maximum Working Temperature: 60 °C (140 °F)
- Back Flush Operation Criteria: Pressure Differential
- Filtration Degree: 20 to 2000 micron

DOUBLE PLASTIC SELF-CLEANING FILTER - DDSC

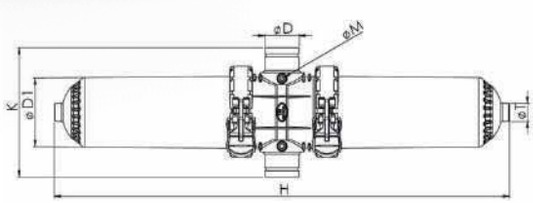
DISC
automatic

AS OPTIONAL,

METAL CLAMP

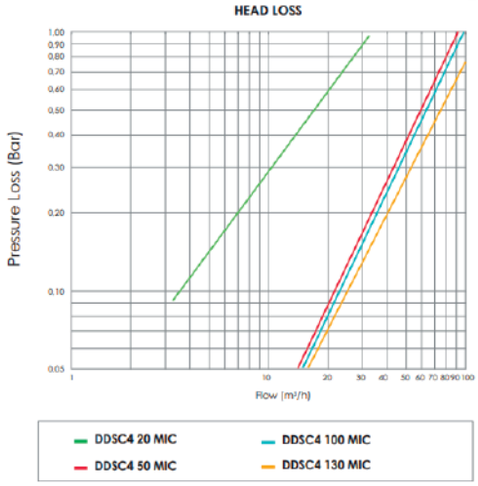


PLASTIC CLAMP



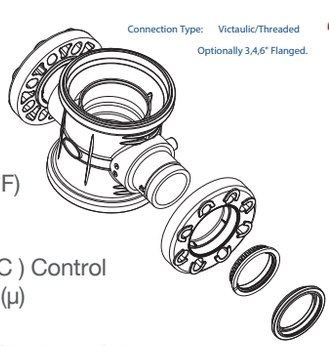
CODE	D (inch)	D (DN)	M (inch)	T (inch)	D1 (mm)	H (mm)	K (mm)	Flow Rate (m^3/h)	Flow Rate (GPM(US))	Filtration Area (cm^2)	Weight (kg)
DDSC3	3	80	1/4	3/4	190	1216	365	40	176	3100	16,5
DDSC4	4	100	1/4	3/4	190	1216	365	50	220	3100	16,8
DDSC6	6	150	1/4	2	242	1658	462	150	660	5680	33

HEAD LOSS



GENERAL CHARACTERISTICS

- Body Material: PA
- Cartridge Material: Disc-PP
- Maximum Working Pressure : 8 Bar (116 PSI)
- Minimum Working Pressure: 2 Bar (29 PSI)
- Maximum Working Temperature: 60 °C (140 °F)
- Back Flush Operation Criteria: Time and / or Pressure Differential
- Back Flush Controlling Unit: Electronic (AC/DC) Control
- Filtration Degree: 20-50-100-130-200 micron (µ)



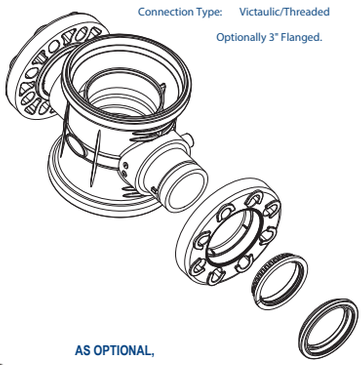
Connection Type: Victaulic/Threaded
Optionally 3,4,6" Flanged.

OPERATING PRINCIPLE AND BACKWASH OPERATION

Particles coming from water source enter to the filter. However, these particles are not allowed to be sent to the filter outlet after being filtered through discs. These particles accumulate on the outer surface of the discs and a dirty layer is formed. As a result of this contamination, the pessure difference between the inlet and outlet of the filter increases. When the pressure difference value, which is predefined on the system the control panel, is reached to adjusted value, the water flow direction is automatically changed by the three-way valve. At the time that the three-way valve changes the flow direction, the discharge line is opened. By means of pressurized water coming from the filter outlet, the spring mechanism placed inside the cover moves forward and the discs are released and the acco-umulated particles are removed from the disc. Gaps and tracks are formed on the discs for easy washing. Pressurized water on the inner surface allows the discs to rotate and the particles accumulated on the outer surface of the discs are discharged from drainage line.

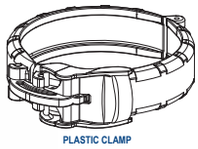
PLASTIC SELF-CLEANING FILTERS - PSC

DISC
automatic

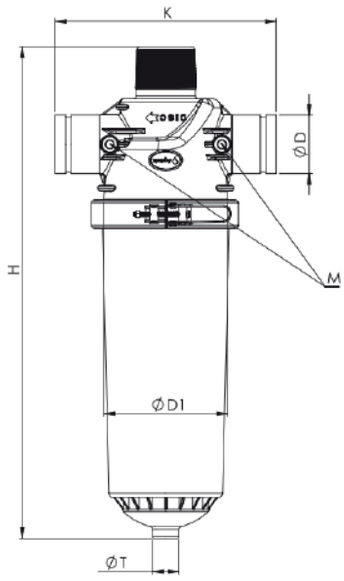


AS OPTIONAL,

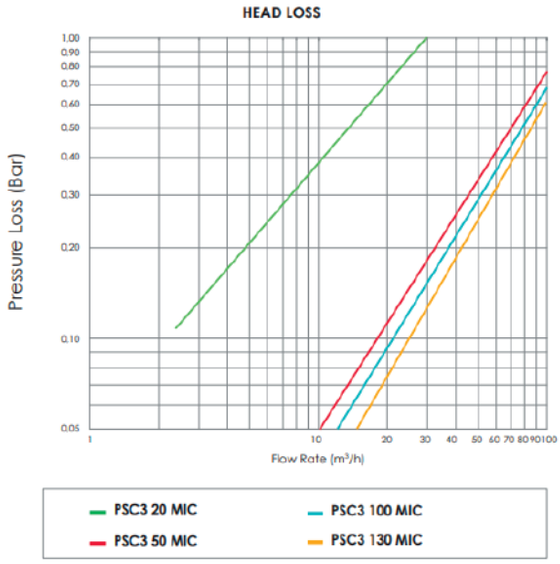
METAL CLAMP



PLASTIC CLAMP



CODE	D (inch)	D (DN)	M (inch)	T (inch)	D1 (mm)	H (mm)	K (mm)	Flow Rate (m³/h)	Flow Rate (GPM(US))	Filtration Area (cm²)	Weight (kg)
PSC2	2	50	1/4	3/4	190	765	335	20	88	1550	9,6
PSC25	2 1/2	65	1/4	3/4	190	765	335	25	110	1550	9,7
PSC3	3	80	1/4	3/4	190	765	335	30	132	1550	9,8



GENERAL CHARACTERISTICS

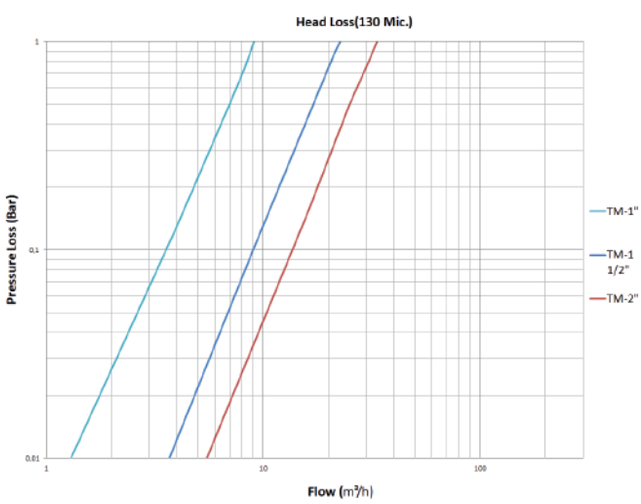
- Body Material: PA
- Cartridge Material: Disc (PP)
- Maximum Working Pressure : 8 Bar (116 PSI)
- Minimum Working Pressure: 2 Bar (29 PSI)
- Maximum Working Temperature: 60 °C (140 °F)
- Back Flush Operation Criteria: Time and / or Pressure Differential
- Back Flush Controlling Unit: Electronic (AC/DC) Control
- Filtration Degree: 20-50-100-130-200 micron

OPERATING PRINCIPLE AND BACKWASH OPERATION

Particles coming from water source enter to the filter. However, these particles are not allowed to be sent to the filter outlet after being filtered through discs. These particles accumulate on the outer surface of the discs and a dirty layer is formed. As a result of this contamination, the pessure difference between the inlet and outlet of the filter increases. When the pressure difference value, which is predefined on the system the control panel, is reached to adjusted value, the water flow direction is automatically changed by the three-way valve. At the time that the three-way valve changes the flow direction, the discharge line is opened. By means of pressurized water coming from the filter outlet, the spring mechanism placed inside the cover moves forward and the discs are released and the acco-umulated particles are removed from the disc. Gaps and tracks are formed on the discs for easy washing. Pressurized water on the inner surface allows the discs to rotate and the particles accumulated on the outer surface of the discs are discharged from drainage line.

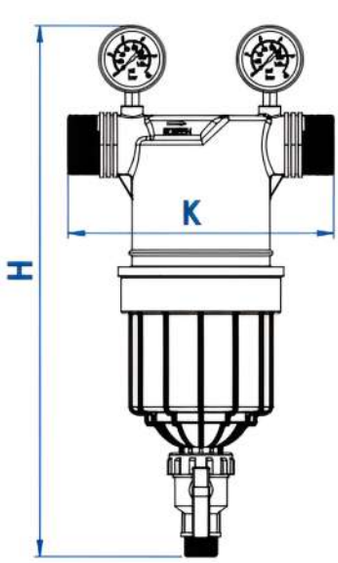
MINI HURRICANEFILT - TM

SCREEN



SEMI-AUTOMATIC **AUTOMATIC**

CODE	D (inch)	D (DN)	H (mm)	K (mm)	Flow Rate (m³/h)	Flow Rate (GPM(US))	Filtration Area (cm²)	Flushing Type	Weight (kg)
TMA10	1	25	620	338	5-7	22-30	515	Automatic	5,8
TMSA10	1	25	540	338	5-7	22-30	515	Semi-Automatic	4,2
TMA15	1 1/2	40	620	388	8-17	35-75	515	Automatic	5,8
TMSA15	1 1/2	40	540	388	8-17	35-75	515	Semi-Automatic	4,2
TMA20	2	50	620	270	18-25	79-123	515	Automatic	5,6
TMSA20	2	50	540	270	18-25	79-123	515	Semi-Automatic	4



GENERAL CHARACTERISTICS

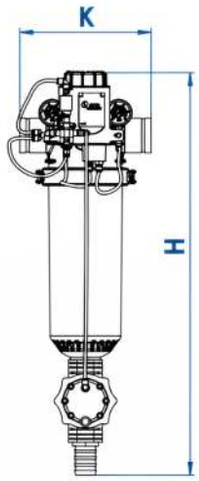
- Body Material: PA6GFR30
- Cartridge Metarial: SS304L, PP
- Maximum Working Pressure: 8 Bar (116 PSI)
- Minimum Working Pressure: 1 Bar (14,5 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Time and / or Pressure Differential
- Back Flush Controlling Unit : Electronic Control
- Filtration Degree: 100-130-200 micron (µ)

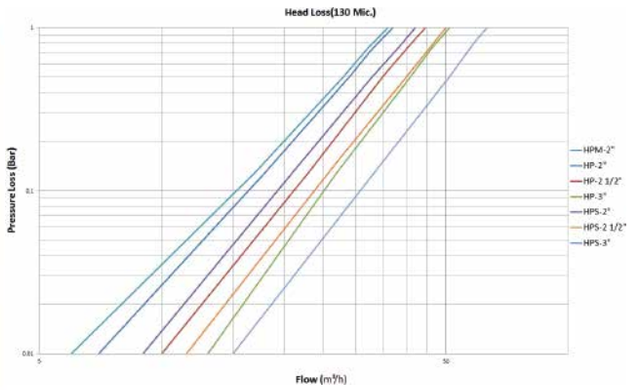
HURRICANEFILT

Hurricanefilt is a kind of screen filter.Particles accumulate on the inner screensurface when the water passes throughthe screen. These particles are cleanedby water vortex during filtration. This vortex remove the particles from the screen surfaceduring filtration and supports backwash operation. Hurricanefilt has a vortex flow. This vortex flow occurs thanks to the helix at the inlet part. Particles on the screen surface are swept and conveyed to the drain by vortex flow. Particles accumulate in front of the drain. When the backwash starts, the particles are drained from filter immediately.

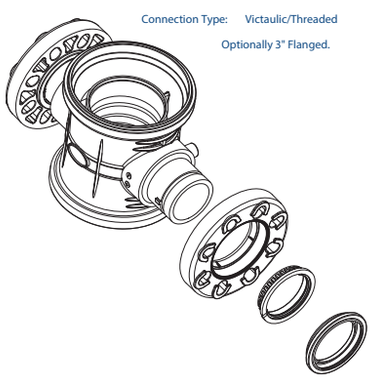
HURRICANEFILT - HP

SCREEN





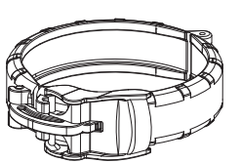
CODE	D (inch)	D (DN)	H (mm)	K (mm)	Flow Rate (m^3/h)	Flow Rate (GPM(US))	Filtration Area (cm^2)	Flushing Type	Weight (kg)
HPM-A2	2	50	800	335	18-25	79-110	760	Automatic	8,2
HPM-SA2	2	50	765	335	18-25	79-110	760	Semi-Automatic	6,8
HP-A2	2	50	915	335	20-25	88-110	1140	Automatic	8,8
HP-SA2	2	50	880	335	20-25	88-110	1140	Semi-Automatic	7,4
HP-A25	2 1/2	65	915	335	25-35	110-154	1140	Automatic	8,9
HP-SA25	2 1/2	65	880	335	25-35	110-154	1140	Semi-Automatic	7,5
HP-A3	3	80	915	335	30-40	132-176	1140	Automatic	9
HP-SA3	3	80	880	335	30-40	132-176	1140	Semi-Automatic	7,6
HPS-A2	2	50	1030	335	25-35	110-154	1520	Automatic	9,5
HPS-SA2	2	50	1000	335	25-35	110-154	1520	Semi-Automatic	8
HPS-A25	2 1/2	65	1030	335	25-40	110-176	1520	Automatic	9,6
HPS-SA25	2 1/2	65	1000	335	25-40	110-176	1520	Semi-Automatic	8,1
HPS-A3	3	80	1030	335	30-50	132-220	1520	Automatic	9,7
HPS-SA3	3	80	1000	335	30-50	132-220	1520	Semi-Automatic	8,2



Connection Type: Victaulic/Threaded
Optionally 3" Flanged.

AS OPTIONAL,

METAL CLAMP



PLASTIC CLAMP

GENERAL CHARACTERISTICS

- Body Material: PA6GFR30
- Cartridge Metarial: SS304L, PA6GFR30
- Maximum Working Pressure: 8 Bar (116 PSI)
- Minimum Working Pressure: 1 Bar (14,5 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Time and / or Pressure Differential
- Back Flush Controlling Unit : Electronic (AC/DC) Control
- Filtration Degree: 20-200 micron (µ)

HURRICANEFILT

Hurricanefilt is a kind of screen filter.Particles accumulate on the inner screensurface when the water passes throughthe screen. These particles are cleanedby water vortex during filtration. This vortex remove the particles from the screen surfaceduring filtration and supports backwash operation. Hurricanefilt has a vortex flow. This vortex flow occurs thanks to the helix at the inlet part. Particles on the screen surface are swept and conveyed to the drain by vortex flow. Particles accumulate in front of the drain. When the backwash starts, the particles are drained from filter immediately.

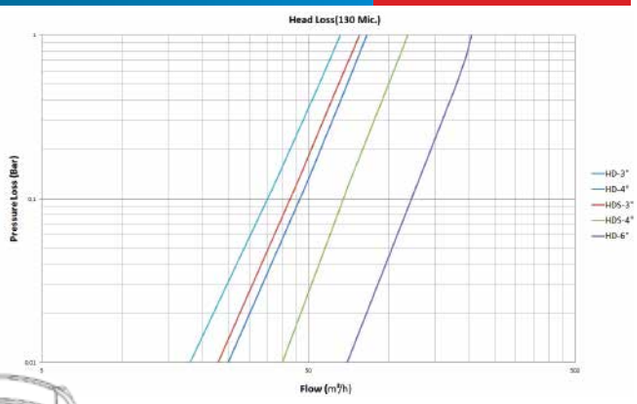
DOUBLE HURRICANEFILT - HD

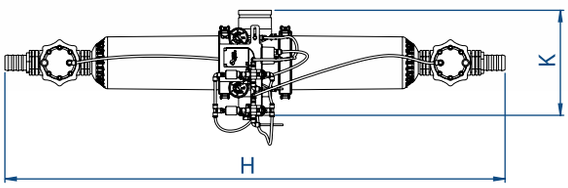
SCREEN

AUTOMATIC

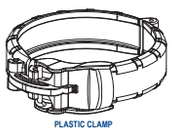
AS OPTIONAL,

SEMI-AUTOMATIC





METAL CLAMP

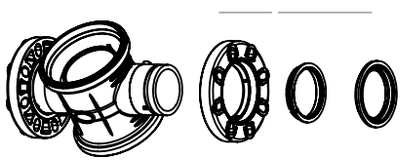


PLASTIC CLAMP

CODE	D (inch)	D (DN)	H (mm)	K (mm)	Flow Rate (m³/h)	Flow Rate (GPM(US))	Filtration Area (cm²)	Flushing Type	Weight (kg)
HD-A3	3	80	1500	365	40-55	176-242	2280	Automatic	13,9
HD-SA3	3	80	1430	365	40-55	176-242	2280	Semi-Automatic	11,8
HD-A4	4	100	1500	365	55-70	242-308	2280	Automatic	14
HD-SA4	4	100	1430	365	55-70	242-308	2280	Semi-Automatic	11,9
HDS-A3	3	80	1740	365	40-65	176-286	3040	Automatic	15,3
HDS-SA3	3	80	1670	365	40-65	176-286	3040	Semi-Automatic	13
HDS-A4	4	100	1740	365	55-100	242-440	3040	Automatic	15,4
HDS-SA4	4	100	1670	365	55-100	242-440	3040	Semi-Automatic	13,1
HD-A6	6	150	2190	462	90-180	396-792	5532	Automatic	28
HD-SA6	6	150	2115	462	90-180	396-792	5532	Semi-Automatic	25,9

CONNECTION TYPE

DN	Optional
3"	Flanged
4"	Flanged
6"	Flanged



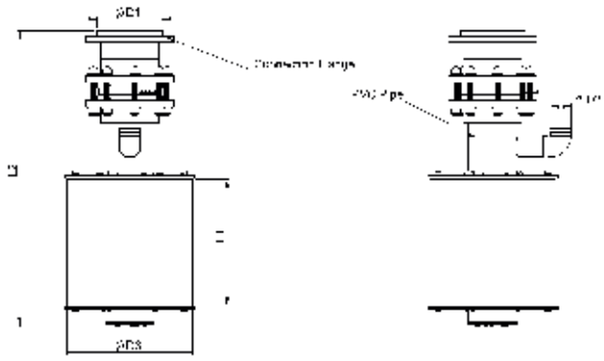
GENERAL CHARACTERISTICS

- Body Material: PA6GFR30
- Cartridge Metarial: SS304L, PA6GFR30
- Maximum Working Pressure: 8 Bar (116 PSI)
- Minimum Working Pressure: 1 Bar (14,5 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Time and / or Pressure Differential
- Back Flush Controlling Unit : Electronic (AC/DC) Control
- Filtration Degree: 20-200 micron (µ)

HURRICANEFILT

Hurricanefilt is a kind of screen filter.Particles accumulate on the inner screensurface when the water passes throughthe screen. These particles are cleanedby water vortex during filtration. This vortex remove the particles from the screen surfaceduring filtration and supports backwash operation. Hurricanefilt has a vortex flow. This vortex flow occurs thanks to the helix at the inlet part. Particles on the screen surface are swept and conveyed to the drain by vortex flow. Particles accumulate in front of the drain. When the backwash starts, the particles are drained from filter immediately.

SELF CLEANING SUCTION FILTER - DSF



CODE	D1 (inch)	D1 (DN)	D2 (inch)	D3 (mm)	L1 (mm)	L2 (mm)	Flow Rate (m^3/h)	Flow Rate (GPM(US))	Supply Flow Rate (L/s)	Supply Flow Rate (GPM(US))	Weight (kg)
DSF4	4	100	1	310	305	775	90	396	0,8	12,6	13,8
DSF6	6	150	1 1/2	410	405	990	165	726	1,8	28,5	26
DSF8	8	200	2	510	510	1205	330	1452	3,6	57	44,6

GENERAL CHARACTERISTICS

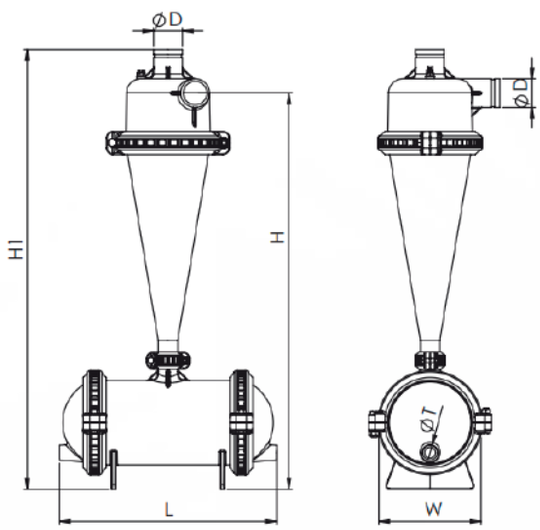
- Body Material : PVC-HDPE
- Nozzle Material: POM
- Screen Material: SS304L
- Maximum Vacuum Pressure : 8 Bar (116PSI)
- Minimum Vacuum Pressure: 3 Bar (43,5 PSI)
- Maximum Working Temperature: 60 °C (140 °F)
- Back Flush Operation: Permanent Cleaning
- Filtration Degree: 2000 micron

WORKING PRINCIPLE

When the pump starts to vacuum the water from the filter outlet, it opens the check valve on the body and starts feeding the system. There is a feed line from the pump outlet to the filter body. With this line, the nozzles in the filter are fed. Circular movement of the screen is achieved by spraying water onto the sieve surface from these nozzles. With this circular movement, the screen surfaces are cleaned by the nozzles as long as the pump is running and cleaned water is sent to the system.

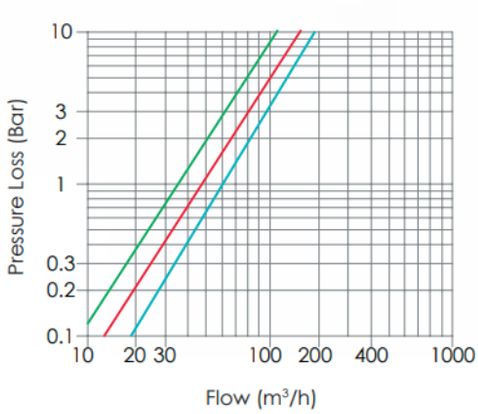
DSF FILTER WITH FLOATING PLATFORM

PLASTIC HYDROCYCLONE - P20



CODE	D (inch)	D (DN)	T (inch)	H (inch)	H1 (mm)	L (mm)	W (mm)	Flow Rate (m^3/h)	Flow Rate (GPM(US))	Weight (kg)
P2020	2	50	3/4	1025	1154	580	206	20-30	88-132	9,5
P2025	2 1/2	65	3/4	1025	1154	580	206	30-40	132-176	9,5
P2030	3	80	2	1225	1360	670	332	40-60	176-264	19

HEAD LOSS



P2020 P2025 P2030

GENERAL CHARACTERISTICS

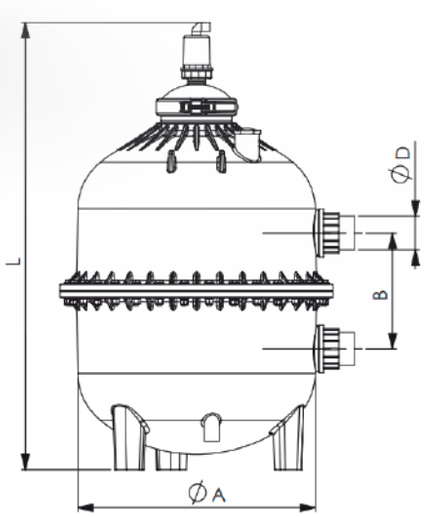
- Body Material: PAGFR30
- Maximum Working Pressure : 6 Bar (87 PSI)
- Maximum Working Temperature: 60 °C (140 °F)

WORKING PRINCIBLE

Aytok Hydrocyclones are designed in a simple structure to be used in the filtration of well water or water containing sand, gravel and particles heavier than water. It is used as the first filter element in filter systems used in agricultural irrigation. Hydrocyclones, work with maximum efficiency by creating minimum pressure loss in irrigation systems. Solid particles heavier than water fall down from the narrowing conical part of the hydrocyclone and are collected in the waste chamber (sand tank). Clean water separated from solid particles is transmitted to the system from the outlet pipe. Accumulated particles are discharged from the lower tank (sand tank) by means of the discharge valve. When connecting to the line, Inlet and Outlet directions should be taken into consideration.

PLASTIC SAND MEDIA (GRAVEL) FILTER - P30

CODE	A		B		L		D		Flow Rate		Weight	
	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(dn)	(m^3/h)	(GPM(US)	(kg)	(lb)
P3020	24	610	12	300	44	1100	2	50	20	88	43	94,8
P3025	24	610	12	300	44	1100	$2^{1/2}$	65	25	110	43,2	95,2
P3030	24	610	12	300	44	1100	3	80	30	132	43,5	95,9



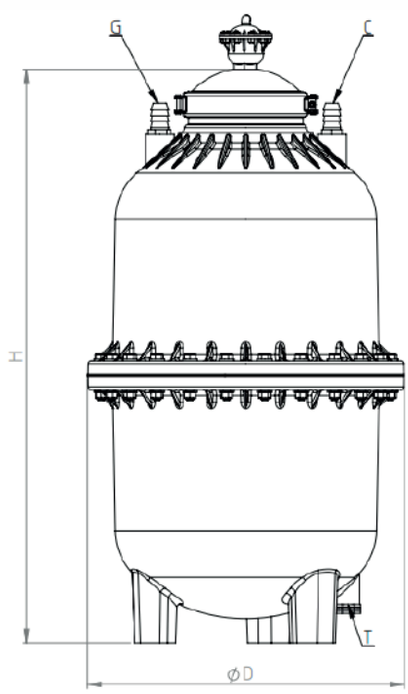
GENERAL CHARACTERISTICS

- Body Material: PAGFR30
- Maximum Working Pressure : 6 Bar (87 PSI)
- Maximum Working Temperature: 60 °C (140 °F)
- Maximum Sand Capacity: 200 Kg

PLASTIC SAND MEDIA FILTER - P30

Sand Media Filter systems is applicable for open water sources such as river lake, dam to eliminate organic matters like Algas for agricultural usage. As industrial usage is most common use is for water treatment and sludge filtration. Easy to use and low maintenance requirement Single and array design possibilities Easy to handle and non-corrosive structure Manual and automatized back flush

PLASTIC FERTILIZER TANK - P1100 / P1200

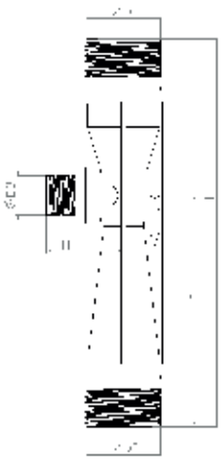


CODE	D (inch)	D (mm)	G (inch)	G (mm)	Ç (inch)	Ç (DN)	T (inch)	T (dn)	H (inch)	H (mm)	Capacity (L)	Capacity (Gal(US))	Weight (kg)
P1100	21	530	1	25	1	25	3/4	20	38,6	980	100	26	24
P1200	28	710	1	25	1	25	3/4	20	42	1065	200	52	36

GENERAL CHARACTERISTICS

- Body Material: PAGFR30
- Maximum Working Pressure : 6 Bar (87 PSI)
- Maximum Working Temperature: 60 °C (140 °F)

PLASTIC VENTURIES - 4022



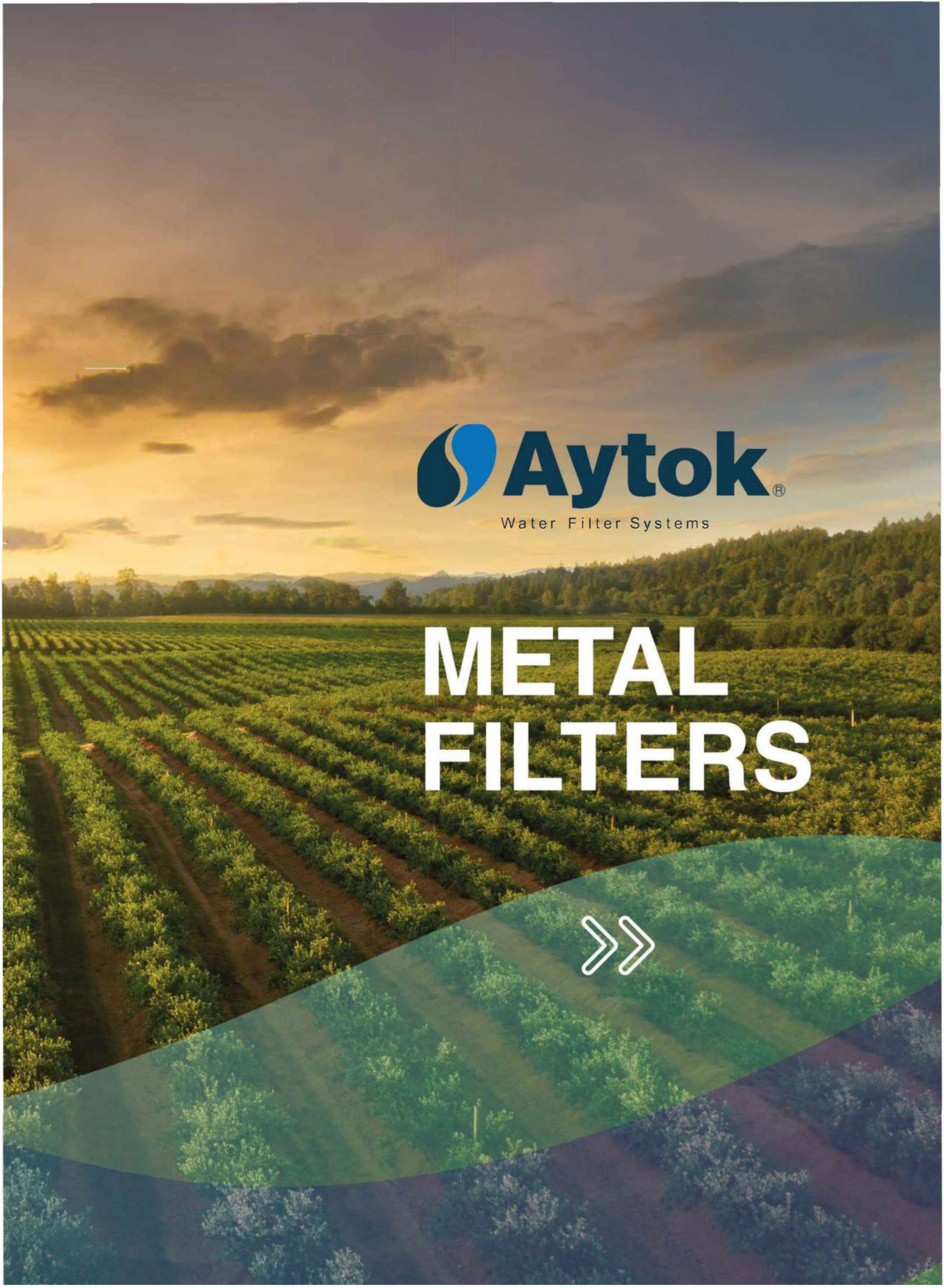
INJECTOR PERFORMANCE TABLE

		3/4"		1"		1 1/2"		2"	
P in (bar)	P out (bar)	Injection Flow (l/min)	Aspiration Flow (l/h)	Injection Flow (l/min)	Aspiration Flow (l/h)	Injection Flow (l/min)	Aspiration Flow (l/h)	Injection Flow (l/min)	Aspiration Flow (l/h)
0,5	0	9	400	41	480	54	600	146	1000
0,75	0	11	440	47	500	70	720	174	1075
1	0	13	420	50	514	81	720	204	1200
	0,25	13	420	50	514	73	720	202	1200
	0,5	13	360	47	480	73	720	200	1040
1,5	0	15	400	57	514	94	720	238	1200
	0,5	15	400	57	514	94	720	236	1075
	0,75	15	300	53	480	90	720	242	1075
	1	15	103	53	340	85	554	213	889
2	0	18	380	64	514	105	720	268	1200
	0,5	18	380	64	514	105	720	268	1200
	0,75	18	380	64	514	105	720	268	1200
	1	18	200	64	514	105	720	268	1040
	1,25	18	100	61	400	105	655	255	1000
	1,5			60	120			238	
2,5	0	20	360	70	500	116	720	285	1200
	0,5	20	360	70	500	116	720	285	1200
	0,75	20	360	70	500	116	720	285	1200
	1	20	360	70	500	116	720	285	1200
	1,25	20	360	69	480	116	720	281	1200
	1,5	20	200	69	480	112	655	281	1040
	1,75			66	343	109	400	272	527
	2			65	120				
3	0	21	330	75	500	126	720	319	1200
	1	21	330	75	500	126	720	315	1200
	1,25	21	330	75	450	126	720	315	1200
	1,5	21	330	75	450	126	720	315	1125
	1,75	21	330	75	450	125	720	306	1125
	2	21	200	75	400	119	720	302	1000
	2,25			73	200	117	300	293	889
	2,5								527
3,5	0	22	300	81	480	135	720	344	1200
	1	22	300	81	480	135	720	344	1200
	1,5	22	300	81	480	135	720	344	1200
	1,75	22	300	81	480	135	720	344	1200
	2	22	300	81	480	135	720	340	1200
	2,25	22	240	79	400	130	720	332	1125
	2,5	22	100	79	340	128	600	319	889
	2,75			78	200	125	200		
4	0	24	280	85	480	143	720	366	1200
	1	24	280	85	480	143	720	366	1200
	2	24	280	85	480	143	720	357	1200
	2,25	24	280	85	480	141	720	357	1200
	2,5	24	240	85	480	140	720	357	1200
	2,75	24	180	85	400	138	600	349	1125
	3	24	100	83	300	135	514	340	527
	3,25			81	120				

WORKING PRINCIPLE OF PLASTIC VENTURIES

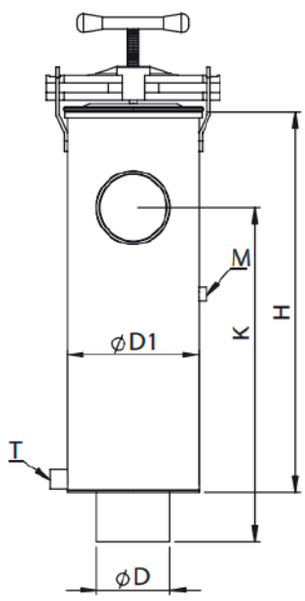
When the water (without fertilizer) entering from the 1st part reaches the 3rd part, it accelerates with the narrowing of the section. The pressure of the accelerating fluid decreases. Since the pressure is high in the 5th section and the low pressure in the 3rd section, fertilizer absorption takes place from the high pressure region to the low pressure region. The amount of fertilization can be adjusted in section 4. When the section on the venturi widens again, the pressure reaches the same value again. Fertilized water is sent to the system from the 2nd part.

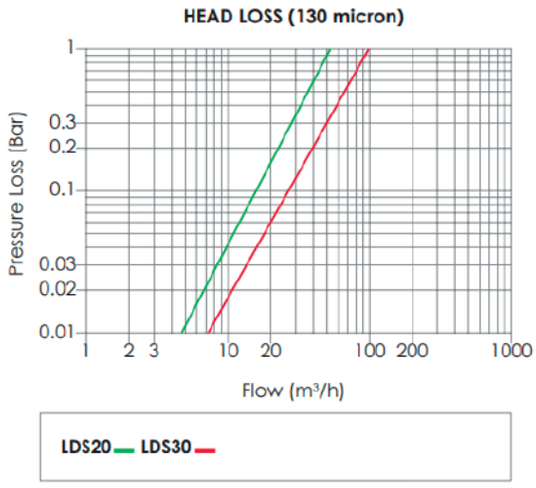
CODE	D1 (inch)	D2 (inch)	D3 (inch)	L (mm)	L1 (mm)	H (mm)	Weight (kg)
4022-1	3/4	3/4	1/2	169	95	48	0,24
4022-2	1	1	3/4	166,5	92,5	48	0,27
4022-3	1 1/2	1 1/2	3/4	280	167	50	0,49
4022-4	2	2	1	301	180	60	0,67


Aytok®
Water Filter Systems
METAL
FILTERS

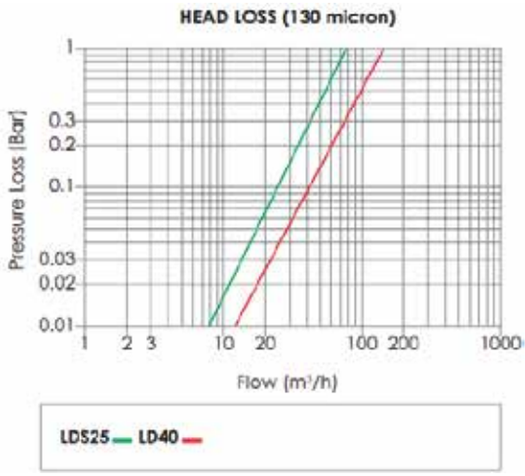
VERTICAL METAL DISC FILTER - LD

DISC
manual





CODE	D (inch)	D1 (inch)	M (inch)	T (inch)	K (mm)	H (mm)	Flow (m³/h)	Flow (GPM(US))	Weight (kg)
LDS20	2	6	1/4	1/2	320	400	30	132	15
LDS25	2 1/2	8	1/4	3/4	320	400	35	154	19
LDS30	3	8	1/4	3/4	455	515	50	220	22
LD40	4	8	1/4	3/4	555	625	70	308	27



GENERAL CHARACTERISTICS

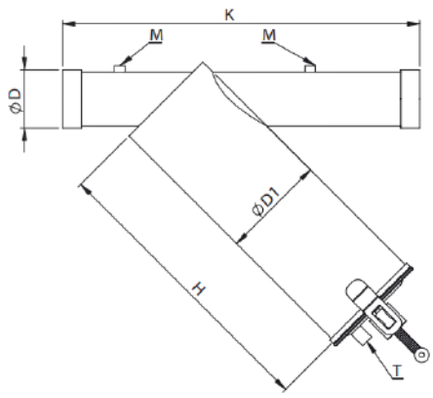
- Body Material: S235JR
- Cartridge Material: PP (Disc)
- Maximum Working Pressure: 8 Bar (116 PSI)
- Maximum Working Temperature: 60 °C/ 140 °F
- Filtration Degree: 20-50-100-130-200 Micron
- Filter Cartridge: D: Disc Cartridge
- Painting Method: Electrostatic Powder
- Coating Paint Material: Epoxy Polyester

METAL MANUAL DISC FILTER

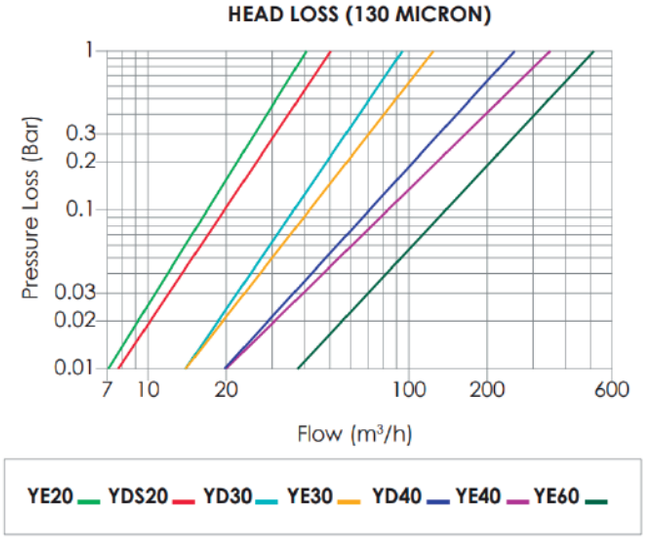
Metal manual disc filter is a type of filter used in industrial filtration systems. The metal manual disc filter is formed by combining discs of different sizes and is used to filter solids in liquids.
Metal manual disc filter is a kind of filtering system used in industrial filtering systems, especially in the agricultural industry. Disk filters are used to filter solids in liquids. Disc filters are formed by combining discs of different sizes. Discs can be made from different materials. Metal disc filters are usually made of stainless steel and are often used in industrial filtration systems. Disk filters are manually operated and the filtration process is performed by the pressure of the filtered liquid.

METAL DISC / SCREEN FILTER - YE / YD

SCREEN and DISC manual



CODE	D (inch)	D1 (inch)	M (inch)	T (inch)	K (mm)	H (mm)	Flow Rate (m³/h)	Flow Rate (GPM(US))	Weight (kg)
YE20	2	6	1/4	1/2	515	240	30	132	12
YE25	2 1/2	6	1/4	1/2	570	360	35	154	14,6
YE30	3	6	1/4	1/2	570	480	45	198	18
YE40	4	8	1/4	1/2	670	605	75	330	28
YE50	5	10	1/4	1	900	700	140	616	51
YE60	6	10	1/4	1	1100	1000	180	792	88
YE80	8	12	1/4	1	1200	1200	280	1232	115
YDS20	2	6	1/4	1/2	520	400	30	132	16
YD25	2 1/2	8	1/4	3/4	590	400	35	154	20
YD30	3	8	1/4	3/4	590	515	45	198	24
YD40	4	8	1/4	3/4	670	625	70	308	29

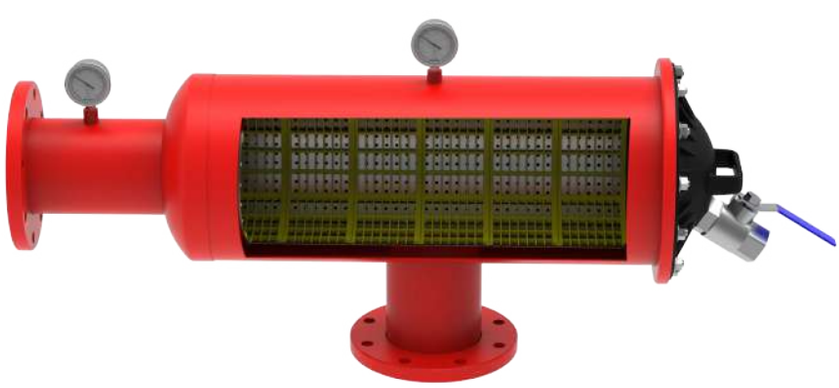


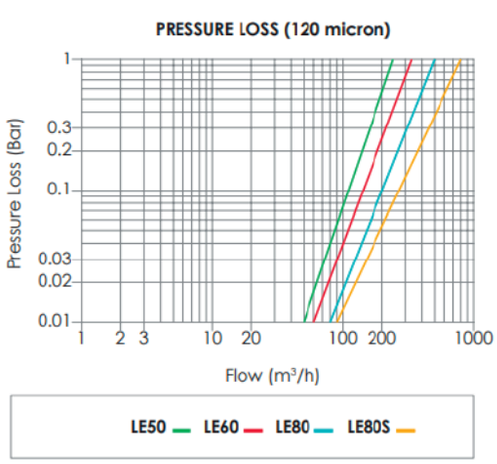
GENERAL CHARACTERISTICS

- Body Material: S235JR
- Cartridge Material:Disc (PP) Screen (SS304L,PALGFR30)
- Maximum Working Pressure : 8 Bar (116 PSI)
- Maximum Working Temperature: 60 °C (140 °F)
- Filtration Degree: Screen (20 to 2000 Micron)
  Disc (20-50-100-130-200 Micron)
- Painting Method: Electrostatic Powder Coating
- Paint Material: Epoxy Polyester

VERTICAL METAL SCREEN FILTER - LE

SCREEN
manual

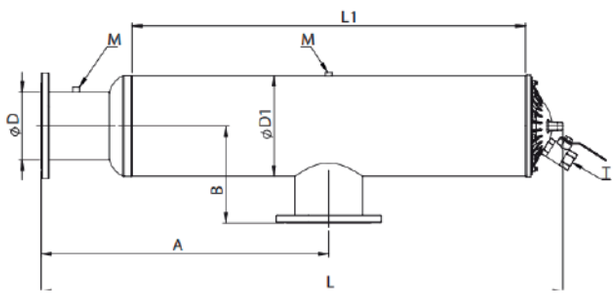




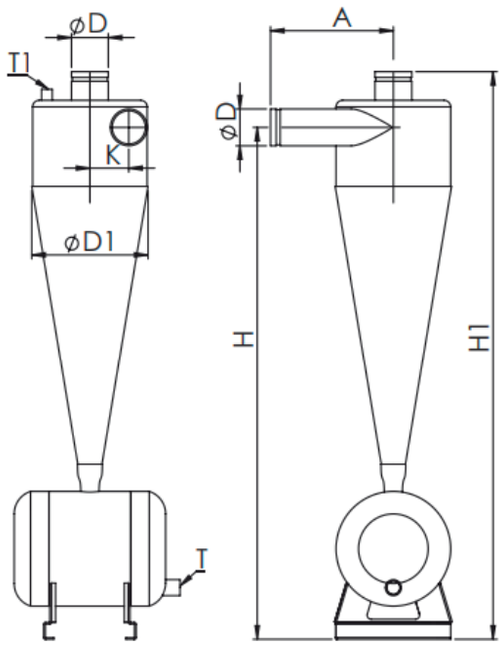
CODE	D (inch)	D1 (inch)	M (inch)	T (inch)	A (mm)	B (mm)	L (mm)	L1 (mm)	Flow Rate (m³/h)	Flow Rate (GPM(US))	Weight (kg)
LE50	5	10	1/4	1	610	287	1055	640	140	616	46
LE60	6	10	1/4	1	710	287	1255	840	180	792	58
LE60S	6	12	1/4	1	810	312	1455	1040	220	968	68
LE80	8	12	1/4	1	810	312	1455	1040	280	1232	70
LE80S	8	12	1/4	1	930	312	1690	1275	340	1496	88

GENERAL CHARACTERISTICS

- Body Material: S235JR
- Cartridge Material: SS304L,PA6GFR30
- Maximum Working Pressure: 8 Bar (116 PSI)
- Maximum Working Temperature: 60 °C/ 140 °F
- Filtration Degree: 20-2000 micron
- Cartridge E: Screen Cartridge



METAL HYDROCYCLONE - 20

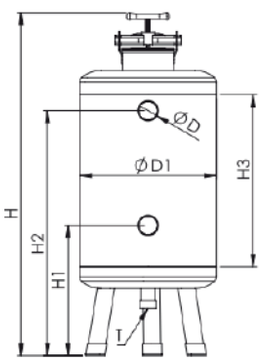


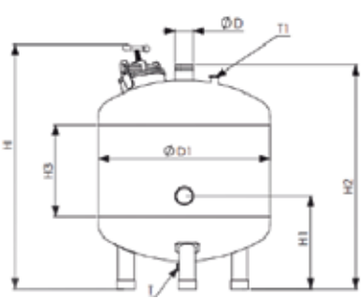
CODE	D (inch)	D1 (inch)	T (inch)	T1 (inch)	K (mm)	A (mm)	H (mm)	H1 (mm)	Flow Rate (m^3/h)	Flow Rate (GPM(US))	Weight (kg)
2020	2	11	3/4	1/2	110	250	1185	1305	25	110	25
2025	$2^{1/2}$	11	1	1/2	102	300	1255	1385	35	154	27
2030	3	11	1	1/2	95	300	1250	1385	50	220	28
2040	4	11	1	1/2	82,5	300	1235	1385	70	308	30
2040S	4	13	2	3/4	102,5	350	1280	1430	100	440	35
2050	5	15	2	1	120	400	1520	1745	120-140	528-616	65
2060	6	18	2	1	142,5	450	1750	2035	160-200	704-880	92

GENERAL CHARACTERISTICS

- Body Material: S235JR
- Maximum Working Pressure : 8 Bar (116 PSI)
- Maximum Working Temperature: 60 °C (140 °F)
- Painting Method: Electrostatic Powder Coating
- Paint Material: Epoxy Polyester

METAL SAND MEDIA (GRAVEL) FILTERS - 30



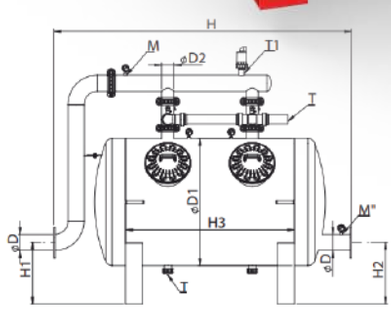


CODE	D (inch)	D1 (inch)	T (inch)	T1 (inch)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	Flow Rate (m³/h)	Flow Rate (GPM(US))	Weight (kg)
3020	2	18	3/4	-	1250	400	900	700	15	66	52
3025	2 1/2	24	2	-	1450	560	1060	750	20	88	77
3030	3	24	2	-	1450	560	1060	750	24	105,6	82
3040	4	24	2	-	1700	560	1260	1000	28	123,2	94
3050	3	32	2	1	1195	420	1100	540	45	198	115
3060	3	36	2	1	1195	420	1100	500	50	220	132
3070	4	36	2	1	1195	420	1100	500	55	242	140
3080	4	48	2	1	1185	520	1100	500	80	352	250

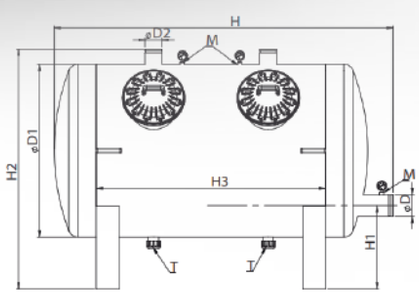
GENERAL CHARACTERISTICS

- Body Material : S235JR
- Maximum Working Pressure : 8 Bar (116 PSI)
- Maximum Working Temperature: 60 °C / 140 °F
- Filtration Method: Diffuser or Mushroom
- Painting Method: Electrostatic Powder Coating
- Paint Material: Epoxy Polyester

3090 METAL SAND MEDIA (GRAVEL) FILTERS



3090B-3090S-3090SM



3090

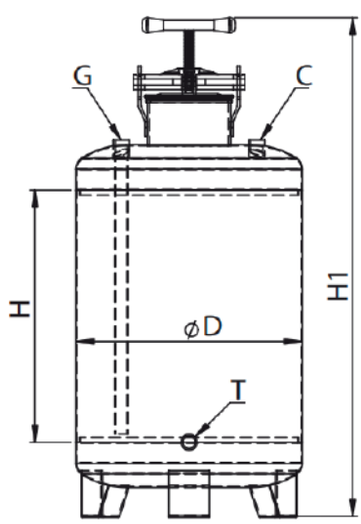
CODE	D (inch)	D1 (inch)	D2 (inch)	T (inch)	M (inch)	T1 (inch)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)	Flow Rate (m^3/h)	Flow Rate (GPM(US))	Weight (kg)
3090	4	36	3	2	1/4	-	1800	410	1250	1200	70-90	308-396	285
3090B	4	36	3	2	1/4	1	2120	410	410	1200	70-90	308-396	320
3090S	4	36	3	2	1/4	1	2780	410	410	1200	70-90	308-396	340
3090SM	4	36	3	2	1/4	-	3000	410	410	1200	70-90	308-396	360

GENERAL CHARACTERISTICS

- Body Material : S235JR
- Maximum Working Pressure : 8 Bar (116 PSI)
- Maximum Working Temperature: 60 °C / 140 °F
- Filtration Method: Diffuser or Mushroom
- Painting Method: Electrostatic Powder Coating
- Paint Material: Epoxy Polyester

3090: Only Media Filter
3090B: Media Filter With Bypass
3090S: Media Filter System With Plastic Filter
3090SM: Media Filter System With Metal Filter

METAL FERTILIZER TANK - 10V



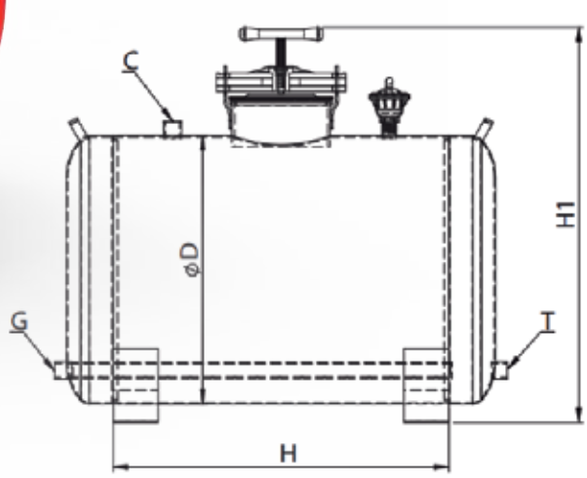
V MODEL

CODE	D (inch)	G (inch)	C (inch)	T (inch)	H (mm)	H1 (mm)	Capacity (lt)	Capacity (Gal (US))	Weight (kg)
1060V	15	1/2	1/2	1/2	330	790	60	16	20
1100V	18	3/4	3/4	3/4	500	960	100	26	30
1200V	24	1	1	1	600	1060	200	52	56

GENERAL CHARACTERISTICS

- Body Material : S235JR
- Maximum Working Pressure : 8 Bar (116 PSI)
- Maximum Working Temperature: 60 °C / 140 °F
- Painting Method: Electrostatic Powder Coating
- Paint Material: Epoxy Polyester

METAL FERTILIZER TANK - 10H



H MODEL

CODE	D (inch)	G (inch)	C (inch)	T (inch)	H (mm)	H1 (mm)	Capacity (lt)	Capacity (Gal (US)	Weight (kg)
1100H	18	3/4	3/4	3/4	500	740	100	26	33
1200H	24	1	1	1	600	860	200	52	59
1300H	24	1	1	1	750	860	300	78	66
1350H	24	1	1	1	1000	860	350	91	82
1500H	24	1	1	1	1500	860	500	130	108

GENERAL CHARACTERISTICS

- Body Material : S235JR
- Maximum Working Pressure : 8 Bar (116 PSI)
- Maximum Working Temperature: 60 °C / 140 °F
- Painting Method: Electrostatic Powder Coating
- Paint Material: Epoxy Polyester


Aytok®
Water Filter Systems
SYSTEMS

HURRICANEFILT SINGLE FILTER SYSTEMS

GENERAL CHARACTERISTICS

- Body Material: PA6GFR30
- Screen Material: SS304L, PA6GFR30
- Collector Material: S235JR - AISI 304 - AISI 316
- Maximum Working Pressure: 8 Bar (116 PSI)
- Minimum Working Pressure: 1 Bar (14.5 PSI)
- Maximum Operating Temperature: 60 °C (140 °F)
- Backwash Operation Criteria: Pressure Difference
- Backwash Control Unit: Electronic
- Filtration Degree: 20 - 200 micron (µ)

HURRICANEFILT

Hurricanefilt is a kind of screen filter.Particles accumulate on the inner screensurface when the water passes throughthe screen. These particles are cleanedby water vortex during filtration. This vortex remove the particles from the screen surfaceduring filtration and supports backwash operation. Hurricanefilt has a vortex flow. This vortex flow occurs thanks to the helix at the inlet part. Particles on the screen surface are swept and conveyed to the drain by vortex flow. Particles accumulate in front of the drain. When the backwash starts, the particles are drained from filter immediately.

CODE	D (inch)	D (DN)	Flow Rate (m^3/h)	Flow Rate (GPM(US))	Filtration Area (cm^2)
1XHPM-A2 1XHPM-SA2	2	50	18-25	79-110	760
1XHP-A2 1XHP-SA2	2	50	20-25	88-110	1140
1XHPS-A2 1XHPS-SA2	2	50	25-35	110-154	1520
1XHP-A25 1XHP-SA25	2 1/2	65	25-35	110-154	1140
1XHPS-A25 1XHPS-SA25	2 1/2	65	25-40	110-176	1520
1XHP-A3 1XHP-SA3	3	80	30-40	132-176	1140
1XHPS-A3 1XHPS-SA3	3	80	30-50	132-220	1520
1XHD-A3 1XHD-SA3	3	80	40-55	176-242	2280
1XHDS-A3 1XHDS-SA3	3	80	40-65	176-286	3040
1XHD-A4 1XHD-SA4	4	100	55-70	242-308	2280
1XHDS-A4 1XHDS-SA4	4	100	55-100	242-440	3040
1XHD-A6 1XHD-SA6	6	150	90-180	396-792	5532

MULTIPLE HURRICANEFILT SYSTEMS

CODE	D (inch)	D (DN)	Flow Rate (m^3/h)	Flow Rate (GPM(US))	Filtration Area (cm^2)
2XHD-A4 2XHD-SA4	5	125	110-150	484-660	4560
2XHDS-A4 2XHDS-SA4	6	150	110-180	484-792	6080
3XHD-A4 3XHD-SA4	8	200	180-270	792-1188	6840
2XHD-A6 2XHD-SA6	8	200	240-360	1056-1585	11060
3XHD-A6 3XHD-SA6	10	250	360-540	1585-2377	16590

GENERAL CHARACTERISTICS

- Body Material: PA6GFR30
- Screen Material: SS304L, PA6GFR30
- Collector Material: S235JR - AISI 304 - AISI 316
- Maximum Working Pressure: 8 Bar (116 PSI)
- Minimum Working Pressure: 1 Bar (14.5 PSI)
- Maximum Operating Temperature: 60 °C (140 °F)
- Backwash Operation Criteria: Pressure Difference
- Backwash Control Unit: Electronic
- Filtration Degree: 20 - 200 micron (µ)

HURRICANEFILT

Hurricanefilt is a kind of screen filter.Particles accumulate on the inner screensurface when the water passes throughthe screen. These particles are cleanedby water vortex during filtration. This vortex remove the particles from the screen surfaceduring filtration and supports backwash operation. Hurricanefilt has a vortex flow. This vortex flow occurs thanks to the helix at the inlet part. Particles on the screen surface are swept and conveyed to the drain by vortex flow. Particles accumulate in front of the drain. When the backwash starts, the particles are drained from filter immediately.

PLASTIC MANUAL DISC FILTER SYSTEMS

GENERAL CHARACTERISTICS

- Plastic Filter Types: Manual Disc (PSD), Self Clean Disc (PSC)
- Disc Material: PP
- Manifold Material: Steel / Stainless Steel / Plastic
- Maximum Working Pressure: 8 Bar (116 PSI)
- Minimum Working Pressure: PSC (2 Bar (29 PSI); PSD (1 Bar (15 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Pressure Differential
- Back Flush Controlling Unit : Manual
- Filtration Degree: 20-50-100-130-200 micron (µ)

CODE	System	Capacity (m^3/h)	Capacity (GPM(US))
M222	2”2X2”PLASTIC DISC FILTER SYSTEM	10-30	44-132
M323	3”2X3”PLASTIC DISC FILTER SYSTEM	30-50	132-220
M433	4”3X3”PLASTIC DISC FILTER SYSTEM	50-70	220-308
M443	4”4X3”PLASTIC DISC FILTER SYSTEM	70-100	308-440

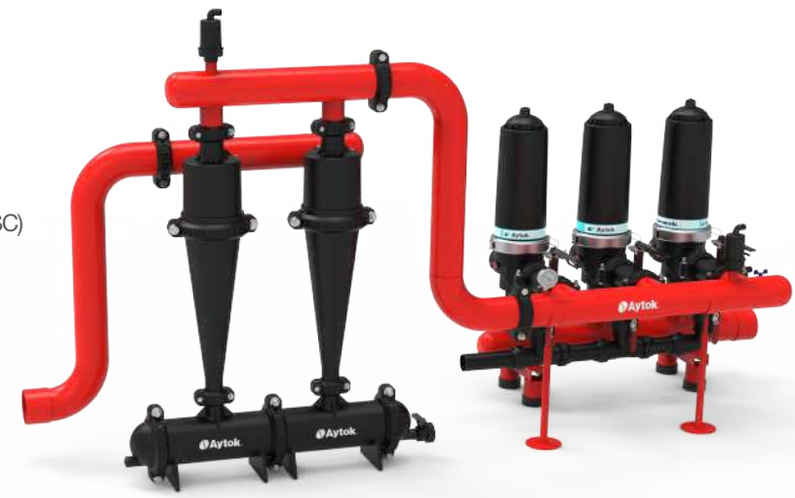
PLASTIC MANUAL DOUBLE DISC FILTER SYSTEMS

GENERAL CHARACTERISTICS

- Plastic Filter Types: Manual Disc (DDS), Self Clean Disc (DDSC)
- Disc Material: PP
- Manifold Material: Steel / Stainless Steel / Plastic
- Maximum Working Pressure: 8 Bar (116 PSI)
- Minimum Working Pressure:DDSC (2 Bar (29 PSI); DDS (1 Bar (15 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Pressure Differential
- Back Flush Controlling Unit : Manual
- Filtration Degree: 20-50-100-130-200 micron (µ)

CODE	System	Capacity (m^3/h)	Capacity (GPM(US))
M534	5”3x4”DOUBLE PLASTIC DISC FILTER SYSTEM	100-130	440-572
M644	6”4x4”DOUBLE PLASTIC DISC FILTER SYSTEM	130-200	572-880
M836	8”3x6”DOUBLE PLASTIC DISC FILTER SYSTEM	200-280	880-1232
M846	8”4x6”DOUBLE PLASTIC DISC FILTER SYSTEM	280-330	1232-1452
M1046	10”4x6”DOUBLE PLASTIC DISC FILTER SYSTEM	330-380	1452-1672
M1056	10”5x6”DOUBLE PLASTIC DISC FILTER SYSTEM	380-480	1672-2112
M1066	10”6x6”DOUBLE PLASTIC DISC FILTER SYSTEM	480-570	2112-2508
M1276	12”7x6”DOUBLE PLASTIC DISC FILTER SYSTEM	570-670	2508-2948

PLASTIC MANUAL DISC FILTER SYSTEMS WITH HYDROCYCLONE



GENERAL CHARACTERISTICS

- Plastic Filter Types: Manual Disc (PSD), Self Clean Disc (PSC)
- Disc Material: PP
- Manifold Material: Steel / Stainless Steel / Plastic
- Maximum Working Pressure: 6 Bar (87 PSI)
- Minimum Working Pressure: PSC (2 Bar (29 PSI), PSD (1 Bar (15 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Pressure Differential
- Back Flush Controlling Unit : Manual
- Filtration Degree: 20-50-100-130-200 micron (µ)

CODE	System	Capacity (m^3/h)	Capacity (GPM(US))
P2020+M222	2"PLASTIC HYDROCYCLONE 2X2"PLASTIC DISC FILTER SYSTEM	10-30	44-132
P2030+M323	3"PLASTIC HYDROCYCLONE 2X3"PLASTIC DISC FILTER SYSTEM	30-50	132-220
2xP2025+M433	4"2X2½"PLASTIC HYDROCYCLONE 3X3"PLASTIC DISC FILTER SYSTEM	50-70	220-308
2xP2030+M443	4"2X3"PLASTIC HYDROCYCLONE 4X3"PLASTIC DISC FILTER SYSTEM	70-100	308-440

PLASTIC MANUAL DOUBLE DISC FILTER SYSTEM WITH HYDROCYCLONE

GENERAL CHARACTERISTICS

- Plastic Filter Types: Manual Disc (DDS), Self Clean Disc (DDSC)
- Disc Material: PP
- Manifold Material: Steel / Stainless Steel / Plastic
- Maximum Working Pressure: 6 Bar (87 PSI)
- Minimum Working Pressure: DDSC (2 Bar (29 PSI), DDS (1bar (15 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Pressure Differential
- Back Flush Controlling Unit : Manual
- Filtration Degree: 20-50-100-130-200 micron (µ)

CODE	System	Capacity (m^3/h)	Capacity (GPM(US))
3xP2030+M534	5"3X3"PLASTIC HYDROCYCLONE 3x4"DOUBLE PLASTIC DISC FILTER SYSTEM	100-130	440-572
4xP2030+M644	6"4X3"PLASTIC HYDROCYCLONE 4x4"DOUBLE PLASTIC DISC FILTER SYSTEM	130-200	572-880
5xP2030+M836	8"5X3"PLASTIC HYDROCYCLONE 3X6"DOUBLE PLASTIC DISC FILTER SYSTEM	200-280	880-1232
6xP2030+M846	8"6X3"PLASTIC HYDROCYCLONE 4x6"DOUBLE PLASTIC DISC FILTER SYSTEM	280-330	1232-1452
7xP2030+M1046	10"7X3"PLASTIC HYDROCYCLONE 4x6"DOUBLE PLASTIC DISC FILTER SYSTEM	330-380	1452-1672
9xP2030+M1056	10"9X3"PLASTIC HYDROCYCLONE 5x6"DOUBLE PLASTIC DISC FILTER SYSTEM	380-480	1672-2112
10xP2030+M1066	10"10X3"PLASTIC HYDROCYCLONE 6x6"DOUBLE PLASTIC DISC FILTER SYSTEM	480-570	2112-2508
12xP2030+M1276	12"12X3"PLASTIC HYDROCYCLONE 7x6"DOUBLE PLASTIC DISC FILTER SYSTEM	570-670	2508-2948

SINGLE PLASTIC FILTER WITH HYDROCYCLONE

GENERAL CHARACTERISTICS

- Plastic Filter Types: Manual Disc (PSD), Vacuum Clean Screen (PVS)
- Screen Material: SS304L, PA6GFR30
- Disc Material: PP
- Manifold Material: Steel / Stainless Steel / Plastic
- Maximum Working Pressure: 6 Bar (87 PSI)
- Minimum Working Pressure: 1 Bar (15 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Pressure Differential
- Back Flush Controlling Unit : Manual
- Filtration Degree: 20-50-100-130-200 micron (µ) (Disc)
- Filtration Degree: 20-2000 micron (µ) (Screen)

CODE	System	Capacity (m³/h)	Capacity (GPM(US))
P7009	2” PLASTIC FILTER WITH 2” HYDROCYCLONE	20-30	88-132
P7010	2,5” PLASTIC FILTER WITH 2,5” HYDROCYCLONE	30-40	132-176
P7011	3” PLASTIC FILTER WITH 3” HYDROCYCLONE	40-50	176-220
P7011D	3” DOUBLE PLASTIC FILTER WITH 3” HYDROCYCLONE	50-60	220-264
P7012	4” DOUBLE PLASTIC FILTER WITH 2X2,5 HYDROCYCLONE	50-70	220-308

PLASTIC AUTOMATIC DISC FILTER SYSTEMS

GENERAL CHARACTERISTICS

- Filter Body Material: PA6GFR30
- Disc Material: PP
- Maximum Working Pressure: 8 Bar (116 PSI)
- Minimum Working Pressure: 2 Bar (29 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Time and/or Pressure Differential
- Back Flush Controlling Unit : Electronic (AC/DC) Control
- Filtration Degree: 20-50-100-130-200 micron (µ)
- Manifold Painting Method: Electrostratic Powder Coating*
- Painting Material: Epoxy Polyester

  * IF THE MANIFOLD MATERIAL IS STEEL

CODE	System	Capacity (m³/h)	Capacity (GPM(US))
A222	2"2X2"PLASTIC DISC FILTER SYSTEM	10-30	44-132
A323	3"2X3"PLASTIC DISC FILTER SYSTEM	30-50	132-220
A433	4"3X3"PLASTIC DISC FILTER SYSTEM	50-70	220-308
A443	4"4X3"PLASTIC DISC FILTER SYSTEM	70-100	308-440

DOUBLE PLASTIC AUTOMATIC DISC FILTER SYSTEMS

GENERAL CHARACTERISTICS

- Filter Body Material: PA6GFR30
- Disc Material: PP
- Maximum Working Pressure: 8 Bar (116 PSI)
- Minimum Working Pressure: 2 Bar (29 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Time and/or Pressure Differential
- Back Flush Controlling Unit : Electronic (AC/DC) Control
- Filtration Degree: 20-50-100-130-200 micron (µ)
- Manifold Painting Method: Electrostratic Powder Coating
  * Painting Material: Epoxy Polyester
  * IF THE MANIFOLD MATERIAL IS STEEL

CODE	System	Capacity (m^3/h)	Capacity (GPM(US))
A534	5"3x4"DOUBLE PLASTIC DISC FILTER SYSTEM	100-130	440-572
A644	6"4x4"DOUBLE PLASTIC DISC FILTER SYSTEM	130-200	572-880
A836	8"3x6"DOUBLE PLASTIC DISC FILTER SYSTEM	200-280	880-1232
A846	8"4x6"DOUBLE PLASTIC DISC FILTER SYSTEM	280-330	1232-1452
A1046	10"4x6"DOUBLE PLASTIC DISC FILTER SYSTEM	330-380	1452-1672
A1056	10"5x6"DOUBLE PLASTIC DISC FILTER SYSTEM	380-480	1672-2112
A1066	10"6x6"DOUBLE PLASTIC DISC FILTER SYSTEM	480-570	2112-2508
A1276	12"7x6"DOUBLE PLASTIC DISC FILTER SYSTEM	570-670	2508-2948

DOUBLE PLASTIC AUTOMATIC DISC FILTER SYSTEM WITH HYDROCYCLONE

GENERAL CHARACTERISTICS

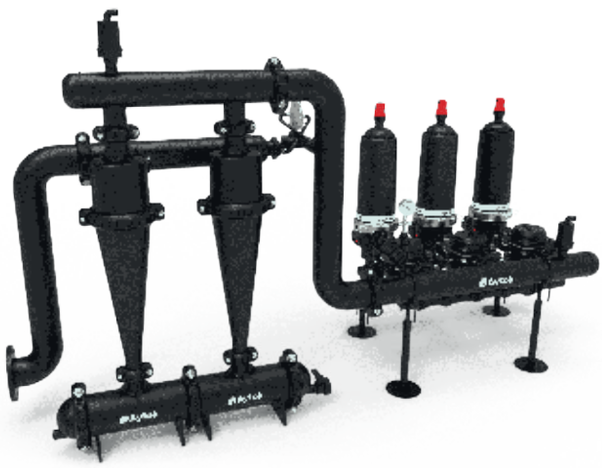
- Filter Body Material: PA6GFR30
- Disc Material: PP
- Maximum Working Pressure: 6 Bar (87 PSI)
- Minimum Working Pressure: 2 Bar (29 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Time and/or Pressure Differential
- Back Flush Controlling Unit : Electronic (AC/DC) Control
- Filtration Degree: 20-50-100-130-200 micron (µ)
- Manifold Painting Method: Electrostratic Powder Coating
  * Painting Material: Epoxy Polyester
  * IF THE MANIFOLD MATERIAL IS STEEL

		Capacity (m^3/h)	Capacity (GPM(US))
3xP2030+A534	3x4"DOUBLE PLASTIC DISC FILTER SYSTEM WITH 5"3X3"PLS.HYDROCYCLONE	100-130	440-572
4xP2030+A644	4x4"DOUBLE PLASTIC DISC FILTER SYSTEM WITH 6"4X3"PLS.HYDROCYCLONE	130-200	572-880
5xP2030+A836	3X6"DOUBLE PLASTIC DISC FILTER SYSTEM WITH 8"5X3"PLS.HYDROCYCLONE	200-280	880-1232
6xP2030+A846	4x6"DOUBLE PLASTIC DISC FILTER SYSTEM WITH 8"6X3"PLS.HYDROCYCLONE	280-330	1232-1452
7xP2030+A1046	4x6"DOUBLE PLASTIC DISC FILTER SYSTEM WITH 10"7X3"PLS.HYDROCYCLONE	330-380	1452-1672
9xP2030+A1056	5x6"DOUBLE PLASTIC DISC FILTER SYSTEM WITH 10"9X3"PLS.HYDROCYCLONE	380-480	1672-2112
10xP2030+A1066	6x6"DOUBLE PLASTIC DISC FILTER SYSTEM WITH 10"10X3"PLS.HYDROCYCLONE	480-570	2112-2508
12xP2030+A1276	7x6"DOUBLE PLASTIC DISC FILTER SYSTEM WITH 12"12X3"PLS.HYDROCYCLONE	570-670	2508-2948

PLASTIC AUTOMATIC DISC FILTER SYSTEMS WITH HYDROCYCLONE

GENERAL CHARACTERISTICS

- Filter Body Material: PA6GFR30
- Disc Material: PP
- Maximum Working Pressure: 6 Bar (87 PSI)
- Minimum Working Pressure: 2 Bar (29 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Time and/or Pressure Differential
- Back Flush Controlling Unit : Electronic (AC/DC) Control
- Filtration Degree: 20-50-100-130-200 micron (µ)
- Manifold Painting Method: Electrostratic Powder Coating
  * Painting Material: Epoxy Polyester
  * IF THE MANIFOLD MATERIAL IS STEEL



CODE	System	Capacity (m³/h)	Capacity (GPM(US))
P2020+A222	2"PLASTIC HYDROCYCLONE 2X2"PLASTIC DISC FILTER SYSTEM	10-30	44-132
P2030+A323	3"PLASTIC HYDROCYCLONE 2X3"PLASTIC DISC FILTER SYSTEM	30-50	132-220
2XP2025+A433	4"2X2½"PLASTIC HYDROCYCLONE 3X3"PLASTIC DISC FILTER SYSTEM	50-70	220-308
2XP2030+A443	4"2X3"PLASTIC HYDROCYCLONE 4X3"PLASTIC DISC FILTER SYSTEM	70-100	308-440

MANUAL SAND MEDIA FILTER SYSTEMS WITH PLASTIC DISC FILTERS

CODE	System	Capacity (m³/h)	Capacity (GPM(US))
M223020	2"2X2"SAND MEDIA FILTER SYSTEM (18"Tank)	10-20	44-88
M323030	3"2X3"SAND MEDIA FILTER SYSTEM (24"Tank)	20-50	88-220
M433030	4"3X3"SAND MEDIA FILTER SYSTEM (24"Tank)	50-70	220-308
M443030	4"4X3"SAND MEDIA FILTER SYSTEM (24"Tank)	70-100	308-440
M553030	5"5X3"SAND MEDIA FILTER SYSTEM (24"Tank)	100-130	440-572
M663030	6"6X3"SAND MEDIA FILTER SYSTEM (24"Tank)	130-180	572-792
M643060	6"4X3"SAND MEDIA FILTER SYSTEM (36"Tank)	150-200	660-880
M853060	8"5X3"SAND MEDIA FILTER SYSTEM (36"Tank)	200-250	880-1100
M863060	8"6X3"SAND MEDIA FILTER SYSTEM (36"Tank)	250-300	1100-1320
M873060	8"7X3"SAND MEDIA FILTER SYSTEM (36"Tank)	300-350	1320-1540
M1083060	10"8X3"SAND MEDIA FILTER SYSTEM (36"Tank)	350-400	1540-1760
M1093060	10"9X3"SAND MEDIA FILTER SYSTEM (36"Tank)	400-450	1760-1980
M10103060	10"10X3"SAND MEDIA FILTER SYSTEM (36"Tank)	450-500	1980-2200
M10113060	10"11X3"SAND MEDIA FILTER SYSTEM (36"Tank)	500-550	2200-2420
M12123060	12"12X3"SAND MEDIA FILTER SYSTEM (36"Tank)	550-600	2420-2640

GENERAL CHARACTERISTICS

- Plastic Filter Body Material: PA6GFR30
- Disc Material: PP
- Maximum Working Pressure: 8 Bar (116 PSI)
- Minimum Working Pressure: 1 Bar (psd) (15 PSI)/2 Bar (psc) (29 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Pressure Differential
- Back Flush Controlling Unit : Manual
- Filtration Degree: 20-50-100-130-200 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

MANUAL SAND MEDIA FILTER SYSTEM WITH SEMI-AUTOMATIC SCREEN FILTERS

CODE	System	Capacity (m³/h)	Capacity (GPM(US))
M223020PV	2"2X2"SAND MEDIA FILTER (18"Tank) + 1 X PV20	10-20	44-88
M323030PVS	3"2X3"SAND MEDIA FILTER (24"Tank) + 1 X PVS30	20-50	88-220
M433030DVS	4"3X3"SAND MEDIA FILTER (24"Tank) + 1 X DVS40	50-70	220-308
M443030MF	4"4X3"SAND MEDIA FILTER (24"Tank) + 1 X MF104	70-100	308-440
M553030MF	5"5X3"SAND MEDIA FILTER (24"Tank) + 1 X MF105	100-130	440-572
M663030MF	6"6X3"SAND MEDIA FILTER (24"Tank) + 1 X MF106	130-180	572-792
M643060MF	6"4X3"SAND MEDIA FILTER (36"Tank) + 1 X MF126S	150-200	660-880
M853060MF	8"5X3"SAND MEDIA FILTER (36"Tank) + 1 X MF128	200-250	880-1100
M863060MF2	8"6X3"SAND MEDIA FILTER (36"Tank) + 1 X MF128	250-300	1100-1320
M1083060MF	8"7X3"SAND MEDIA FILTER (36"Tank) + 2 X MF106	300-350	1320-1540
M1083060MF	10"8X3"SAND MEDIA FILTER (36"Tank) + 2 X MF126S	350-400	1540-1760
M1063080MF	10"6X4"SAND MEDIA FILTER (48"Tank) + 2 X MF128	400-450	1760-1980
M1073080MF	10"7X4"SAND MEDIA FILTER (48"Tank) + 2 X MF128	450-500	1980-2200
M1083080MF	10"8X4"SAND MEDIA FILTER (48"Tank) + 2 X MF128	500-550	2200-2420
M1293080MF	12"9X4"SAND MEDIA FILTER (48"Tank) + 2 X MF128	550-640	2420-2816

GENERAL CHARACTERISTICS

- Plastic Filter Body Material: PA6GFR30
- Screen Material: SS304L, PA6GFR30
- Maximum Working Pressure: 8 Bar (116 PSI)
- Minimum Working Pressure: 1 Bar (15 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Pressure Differential
- Back Flush Controlling Unit : Manual
- Filtration Degree: 20 to 2000 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

AUTOMATIC PLASTIC SAND MEDIA FILTER SYSTEMS WITH PLASTIC DISC FILTERS

CODE	System	Capacity (m³/h)	Capacity (GPM(US))
A32P3030	3"I/O 2X3"AUTO PLASTIC GRAVEL SYSTEM (24")	30	132
A33P3030	3"I/O 3X3"AUTO PLASTIC GRAVEL SYSTEM (24")	30-60	132-264
A44P3030	4"I/O 4X3"AUTO PLASTIC GRAVEL SYSTEM (24")	60-100	264-440
A65P3030	6"I/O 5X3"AUTO PLASTIC GRAVEL SYSTEM (24")	100-130	440-572
A66P3030	6"I/O 6X3"AUTO PLASTIC GRAVEL SYSTEM (24")	130-160	572-704
A67P3030	6"I/O 7X3"AUTO PLASTIC GRAVEL SYSTEM (24")	160-190	704-836
A68P3030	6"I/O 8X3"AUTO PLASTIC GRAVEL SYSTEM (24")	190-220	836-968

GENERAL CHARACTERISTICS

- Filter Body Material: PA6GFR30
- Plastic Filter Body Material: PA6GFR30
- Disc Material: PP
- Maximum Working Pressure: 6 Bar (87 PSI)
- Minimum Working Pressure: 2 Bar (29 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Time and/or Pressure Differential
- Back Flush Controlling Unit : Electronic (AC/DC) Control
- Filtration Degree (Disc): 20-50-100-130-200 micron (µ)

AUTOMATIC SAND MEDIA FILTER SYSTEMS WITH METAL SCREEN FILTERS

CODE	System	Capacity (m³/h)	Capacity (GPM(US))
A323030YE	3"2X3"SAND MEDIA FILTER (24"Tank) + 1 X YE30	20-40	88-176
A433030YE	4"3X3"SAND MEDIA FILTER (24"Tank) + 1 X YE40	40-70	176-308
A443030YE	4"4X3"SAND MEDIA FILTER (24"Tank) + 1 X YE40S 10"BODY	70-100	308-440
A553030YE	5"5X3"SAND MEDIA FILTER (24"Tank) + 1 X YE50	100-130	440-572
A663030YE	6"6X3"SAND MEDIA FILTER (24"Tank) + 1 X YE60	130-180	572-792
A643060YE	6"4X3"SAND MEDIA FILTER (36"Tank) + 1 X YE60S	150-200	660-880
A853060YE	8"5X3"SAND MEDIA FILTER (36"Tank) + 1 X YE80	200-250	880-1100
A863060YE	8"6X3"SAND MEDIA FILTER (36"Tank) + 1 X YE80	250-300	1100-1320
A873060YE	8"7X3"SAND MEDIA FILTER (36"Tank) + 2 X YE60	300-350	1320-1540
A1083060YE	10"8X3"SAND MEDIA FILTER (36"Tank) + 2 X YE60S	350-400	1540-1760
A1093060YE	10"9X3"SAND MEDIA FILTER (36"Tank) + 2 X YE80	400-450	1760-1980
A10103060YE	10"10X3"SAND MEDIA FILTER (36"Tank) + 2 X YE80	450-500	1980-2200

GENERAL CHARACTERISTICS

- Screen Material: SS304L, PA6GFR30
- Maximum Working Pressure: 8 Bar (116 PSI)
- Minimum Working Pressure: 2 Bar (29 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Time and/or Pressure Differential
- Back Flush Controlling Unit : Electronic (AC/DC) Control
- Filtration Degree: 20-2000 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

AUTOMATIC SAND MEDIA FILTER SYSTEMS WITH PLASTIC DISC FILTERS

GENERAL CHARACTERISTICS

- Maximum Working Pressure: 8 Bar (116 PSI)
- Minimum Working Pressure: 2 Bar (29 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Time and/or Pressure Differential
- Back Flush Controlling Unit : Electronic (AC/DC) Control
- Filtration Degree: 20-50-100-130-200 Micron
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

CODE	System	Capacity (m³/h)	Capacity (GPM(US))
A223020	2"2X2" SAND MEDIA FILTER (18" TANK)	10-20	44-88
A323030	3"2X3" SAND MEDIA FILTER (24" TANK)	20-50	88-220
A433030	4"3X3" SAND MEDIA FILTER (24" TANK)	50-70	220-308
A443030	4"4X3" SAND MEDIA FILTER (24" TANK)	70-100	308-440
A553030	5"5X3" SAND MEDIA FILTER (24" TANK)	100-130	440-572
A663030	6"6X3" SAND MEDIA FILTER (24" TANK)	130-180	572-792
A643060	6"4X3" SAND MEDIA FILTER (36" TANK)	150-200	660-880
A853060	8"5X3" SAND MEDIA FILTER (36" TANK)	200-250	880-1100
A863060	8"6X3" SAND MEDIA FILTER (36" TANK)	250-300	1100-1320
A873060	8"7X3" SAND MEDIA FILTER (36" TANK)	300-350	1320-1540
A1083060	10"8X3" SAND MEDIA FILTER (36" TANK)	350-400	1540-1760
A1093060	10"9X3" SAND MEDIA FILTER (36" TANK)	400-450	1760-1980
A10103060	10"10X3" SAND MEDIA FILTER (36" TANK)	450-500	1980-2200
A10113060	10"11X3" SAND MEDIA FILTER (36" TANK)	500-550	2200-2420
A12123060	10"12X3" SAND MEDIA FILTER (36" TANK)	550-600	2420-2640

AUTOMATIC SAND MEDIA FILTER SYSTEMS WITH SELF-CLEANING SCREEN FILTERS

GENERAL CHARACTERISTICS

- Filter Body Material:
- Screen Material: SS304L, PA6GFR30
- Maximum Working Pressure: 8 Bar (116 PSI)
- Minimum Working Pressure: 2.5 Bar (36 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Time and/or Pressure Differential
- Back Flush Controlling Unit : Electronic (AC/DC) Control
- Filtration Degree: 20-2000 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

CODE	System	Capacity (m³/h)	Capacity (GPM(US))
A223020VEF	2"2X2"SAND MEDIA FILTER(18" TANK) +1 X VEF102F	10-20	44-88
A323030VEF	3"2X3"SAND MEDIA FILTER(24" TANK) +1 X VEF103	20-50	88-220
A433030VEF	4"3X3"SAND MEDIA FILTER(24" TANK) +1 X VEF104	50-70	220-308
A443030VEF	4"4X3"SAND MEDIA FILTER(24" TANK) +1 X VEF104	70-100	308-440
A553030EF	5"5X3"SAND MEDIA FILTER(24" TANK) +1 X EF105	100-130	440-572
A663030EF	6"6X3"SAND MEDIA FILTER(24" TANK) +1 X EF106	130-180	572-792
A643060EF	6"4X3"SAND MEDIA FILTER(36" TANK) +1 X EF126S	150-200	660-880
A853060EF	8"5X3"SAND MEDIA FILTER(36" TANK) +1 X EF128	200-250	880-1100
A863060EF	8"6X3"SAND MEDIA FILTER(36" TANK) +1 X EF128	250-300	1100-1320
A873060EF	8"7X3"SAND MEDIA FILTER(36" TANK) +2 X EF106	300-350	1320-1540
A1083060EF	10"8X3"SAND MEDIA FILTER(36" TANK) +2 X EF126S	350-400	1540-1760
A1063080EF	10"6X4"SAND MEDIA FILTER(48" TANK) +2 X EF128	400-450	1760-1980
A1073080EF	10"7X4"SAND MEDIA FILTER(48" TANK) +2 X EF128	450-500	1980-2200
A1083080EF	10"8X4"SAND MEDIA FILTER(48" TANK) +2 X EF128	500-550	2200-2420
A1293080EF	12"9X4"SAND MEDIA FILTER(48" TANK) +2 X EF128	550-600	2420-2816

AUTOMATIC SAND MEDIA FILTER SYSTEMS WITH SELF-CLEANING SCREEN FILTERS AND HYDROCYCLONE

GENERAL CHARACTERISTICS

- Sand Media Filter Body Material: Carbon Steel
- Screen Filter Body Material: Carbon Steel
- Hydrocyclone Body Material: Carbon Steel
- Screen Material: SS304L, PA6GFR30
- Maximum Working Pressure: 8 Bar (116 PSI)
- Minimum Working Pressure: 2.5 Bar (36 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Time and/or Pressure Differential
- Back Flush Controlling Unit : Electronic (AC/DC) Control
- Filtration Degree (Screen): 20-2000 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Material: Epoxy Polyester

CODE	System	Capacity (m³/h)	Capacity (GPM(US))
MHA223020VEF	2"HYD.+2"2X2"SAND MEDIA FILTER(18"TANK)+1 X VEF102F	10-20	44-88
MHA323030VEF	3"HYD.+2"2X3"SAND MEDIA FILTER(24"TANK)+1 X VEF103	20-50	88-220
MHA433030VEF	4"HYD.+4"3X3"SAND MEDIA FILTER(24"TANK)+1 X VEF104	50-70	220-308
MHA443030VEF	4"HYD.+4"4X3"SAND MEDIA FILTER(24"TANK)+1 X VEF104	70-100	308-440
MHA553030EF	5"HYD.+5"5X3"SAND MEDIA FILTER(24"TANK)+1 X EF105	100-130	440-572
MHA663030EF	6"HYD.+6"6X3"SAND MEDIA FILTER(24"TANK)+1 X EF106	130-180	572-792
MHA643060EF	6"HYD.+6"4X3"SAND MEDIA FILTER(36"TANK)+1 X EF126S	150-200	660-880
MHA853060EF	2X5"HYD.+8"5X3"SAND MEDIA FILTER(36"TANK)+1 X EF128	200-250	880-1100
MHA863060EF	2X6"HYD.+8"6X3"SAND MEDIA FILTER(36"TANK)+1 X EF128	250-300	1100-1320
MHA873060EF	2X6"HYD.+8"7X3"SAND MEDIA FILTER(36"TANK)+2 X EF106	300-350	1320-1540
MHA1083060EF	2X6"HYD.+10"8X3"SAND MEDIA FILTER(36"TANK)+2 X EF126S	350-400	1540-1760
MHA1063080EF	3X6"HYD.+10"6X4"SAND MEDIA FILTER(48"TANK)+2 X EF128	400-450	1760-1980
MHA1073080EF	3X6"HYD.+10"7X4"SAND MEDIA FILTER(48"TANK)+2 X EF128	450-500	1980-2200
MHA1083080EF	3X6"HYD.+10"8X4"SAND MEDIA FILTER(48"TANK)+2 X EF128	500-550	2200-2420
MHA1293080EF	4X6"HYD.+12"9X4"SAND MEDIA FILTER(48"TANK)+2 X EF128	550-640	2420-2816

READY BUILT ON CHASSIS SYSTEMS

GENERAL CHARACTERISTICS

- Plastic Filter Body Material: PA6GFR30
- Hydrocyclone Body Material: PA6GFR30
- Fertilizer Tank Body Material: Carbon Steel
- Disc Material: PP
- Maximum Working Pressure: 6 Bar (87 PSI)
- Minimum Working Pressure: PSD (1 Bar (15 PSI)), PSC (2 Bar (29 PSI))
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Pressure Differential
- Back Flush Controlling Unit : Manual
- Filtration Degree (Disc): 20-50-100-130 200 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

CODE	System	Capacity (m^3/h)	(GPM(US))
S422	4" 2X3" PLASTIC HYDROCYCLONE + 2X4" DOUBLE PLASTIC FILTER	70-100	308-440
S523	5" 2X3" PLASTIC HYDROCYCLONE + 3X4" DOUBLE PLASTIC FILTER	100-120	440-528
S533	5" 3X3" PLASTIC HYDROCYCLONE + 3X4" DOUBLE PLASTIC FILTER	120-150	528-660
S634	6" 3X3" PLASTIC HYDROCYCLONE + 4X4" DOUBLE PLASTIC FILTER	150-180	660-792
S644	6" 4X3" PLASTIC HYDROCYCLONE + 4X4" DOUBLE PLASTIC FILTER	180-220	792-968

READY BUILT ON CHASSIS SYSTEMS

GENERAL CHARACTERISTICS

- Body Material: PA6GFR30
- Disc Material: SS304L, PA6GFR30
- Maximum Working Pressure: 6 Bar (87 PSI)
- Minimum Working Pressure: 1 (2.5) Bar (36 PSI)
- Maximum Working Temperature : 60°C (140°F)
- Back Flush Operation Criteria: Pressure Differencal
- Back Flush Controlling Unit : Electronic Control
- Filtration Degree: 20-2000 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

CODE	System	Capacity (m^3/h)	(GPM(US))
EVF104HS	4" 2X3" PLASTIC HYDROCYCLONE +EVF104	70-100	308-440
EVF105HS	5" 2X3" PLASTIC HYDROCYCLONE + EVF105	100-120	440-528
EVF105SHS	5" 3X3" PLASTIC HYDROCYCLONE + EVF105S	120-150	528-660
EVF106HS	6" 3X3" PLASTIC HYDROCYCLONE + EVF106	150-180	660-792
EVF126SHS	6" 4X3" PLASTIC HYDROCYCLONE + EVF126S	180-220	792-968

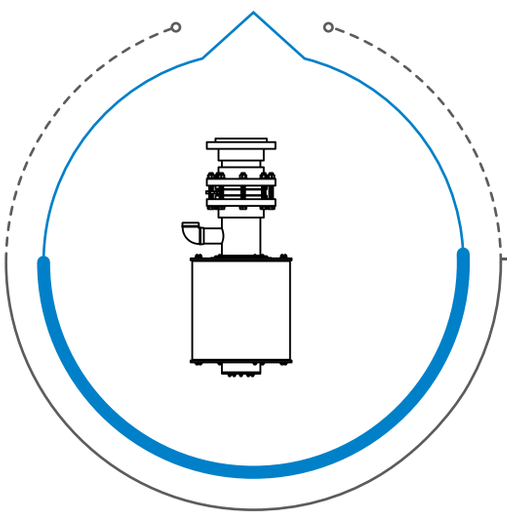
READY BUILT ON CHASSIS SYSTEMS

GENERAL CHARACTERISTICS

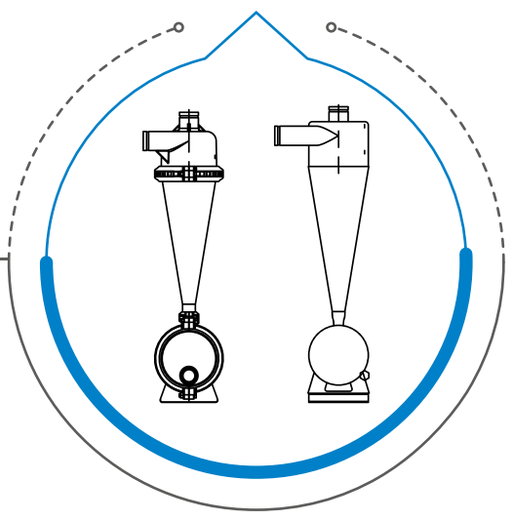
- Body Material: PA6GFR30
- Screen Material: SS304L, PA6GFR30
- Maximum Working Pressure: 6 Bar (87 PSI)
- Minimum Working Pressure: 1 Bar (15 PSI)
- Maximum Working Temperature : 60 °C (140 °F)
- Back Flush Operation Criteria: Pressure Differencal
- Back Flush Controlling Unit : Semi-Auto or Electronic Control
- Filtration Degree: 20-2000 micron (µ)
- Painting Method: Electrostratic Powder Coating
- Painting Material: Epoxy Polyester

CODE	System	Capacity (m³/h)	Capacity (GPM(US))
S421	4" 2X2,5" PLASTIC HYDROCYCLONE+DVS4	50-70	220-308
S521	5" 2X3" PLASTIC HYDROCYCLONE+DV6	70-120	308-528
S631	6" 3X3" PLASTIC HYDROCYCLONE+DV6	120-180	528-792

PREFILTER - A



PREFILTER - B



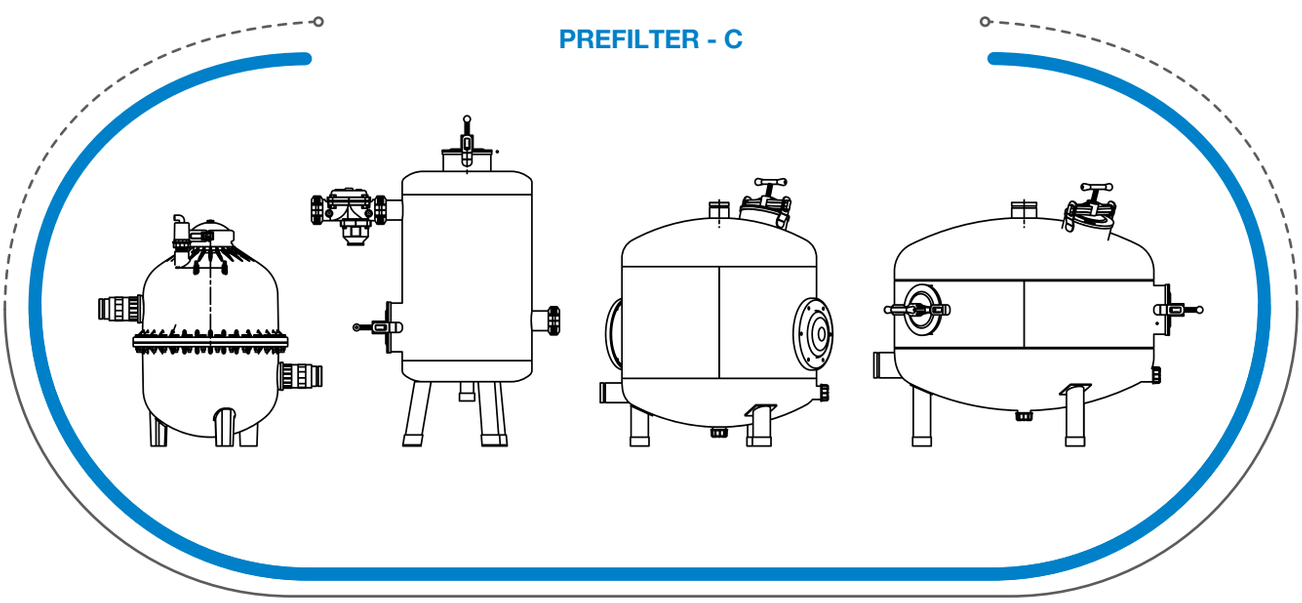
SELF CLEANING STRAINERS

In applications where the water supply is open (such as pool, lake, river), it is mounted on the suction line of the pump. In this way, it protects from large objects that can come to the pump and filter system.

METAL-PLASTIC HYDROCYCLONES

It is applied to hold heavy particles (such as sand, gravel, mil) in the water. Plastic body hydrocyclones have a smooth body structure compared to metal body models. This keeps filtering success at a high level. The model selected in the use of hydrocyclone should be suitable for the flow rate. Using a lower flow rate of a high capacity model is not suitable for the hydrocyclone structure.

PREFILTER - C

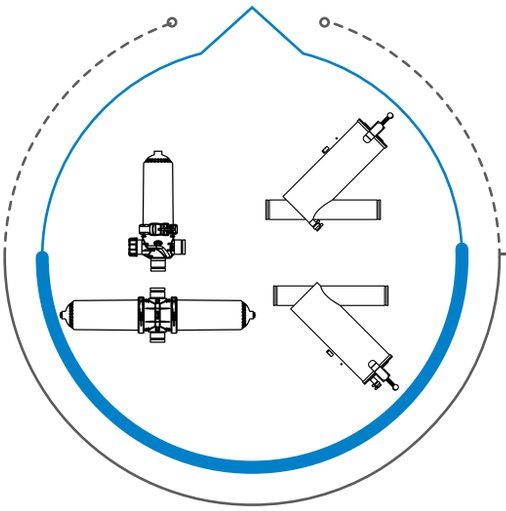


METAL-PLASTIC SAND MEDIA GRAVEL FILTERS

Capacities of tanks according to their diameters and amount of sand to be put (recommended)

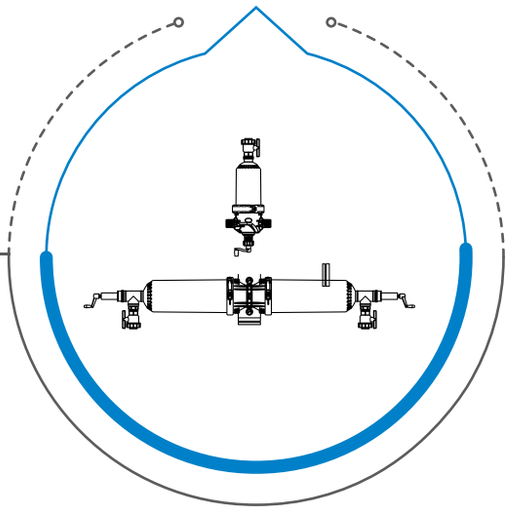
18” dia : 15 m3/h , sand amount : 150 Kg. (Metal)
24” dia : 25 m3/h , sand amount : 300 Kg. (Metal)
31” dia : 45 m3/h , sand amount : 350 Kg. (Metal)
36” dia : 50 m3/h , sand amount : 350 Kg. (Metal)
48” dia : 80 m3/h , sand amount : 400 Kg. (Metal)
24 “ dia : 25 m3/h , sand amount : 200 Kg. (Plastic)

MAIN FILTER - A



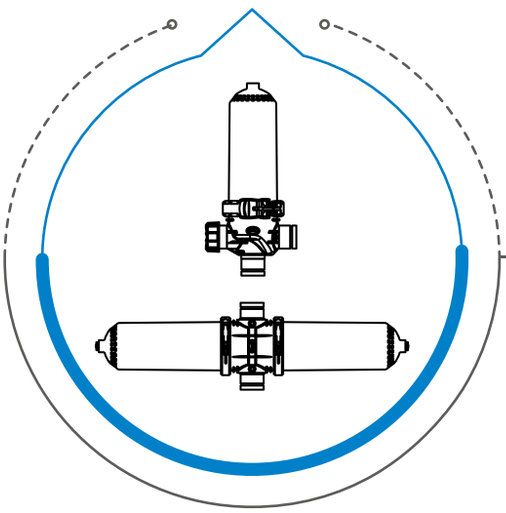
MANUAL DISC/SCREEN METAL/PLASTIC FILTERS
PLASTIC AND METAL BODY CAN
BE USED. CAN BE CLEANED BY
REMOVING THE FILTER.
SCREEN ; YE, PSE,DES
DISC; YD,PSD,DDS

MAIN FILTER - B



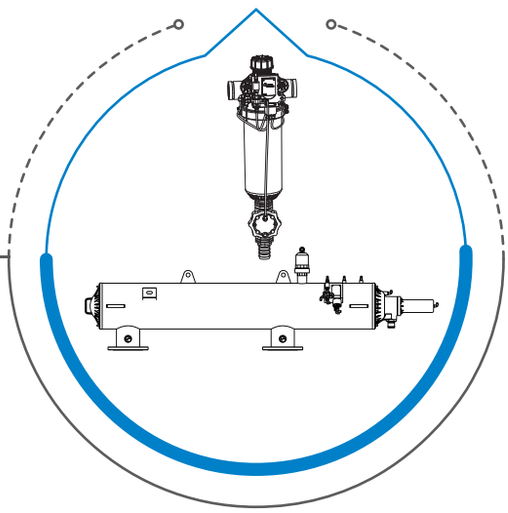
SEMI-AUTO PLASTIC/METAL FILTERS
PLASTIC AND METAL BODY CAN BE USED.
CLEAN BY VACUUM WITHOUT FILTER
REMOVAL.
SCREEN;MF,PV,DV

MAIN FILTER - C



SELF CLEANING DISC FILTERS
IT CAN CLEAN AS THE TIME OR
PRESSURE DIFFERENCE
CONTROLLED BY THE VALVES.
DISC;PSC,DDSC

MAIN FILTER - D



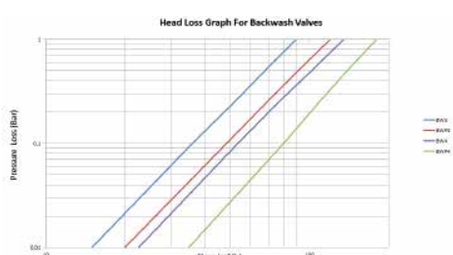
SELF CLEANING AUTOMATIC METAL FILTERS
TIME OR PRESSURE DIFFERENCE CAN
BE USED FOR BACKWASH CONTROL
SCREEN;VBE, HBE, VEF, EF, HURRICANEFILT


PivVALVE
VALVES

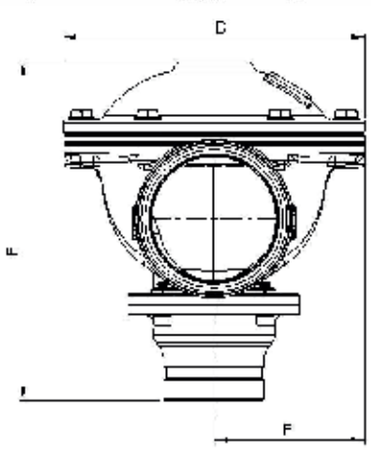
CAST BODY BACKWASH VALVES

GENERAL CHARACTERISTICS

- Higher permeability with extra wide body design
- GGG40 cast body
- Low pressure losses.
- Easy maintenance and easy installation thanks to the use of minimum accessories.

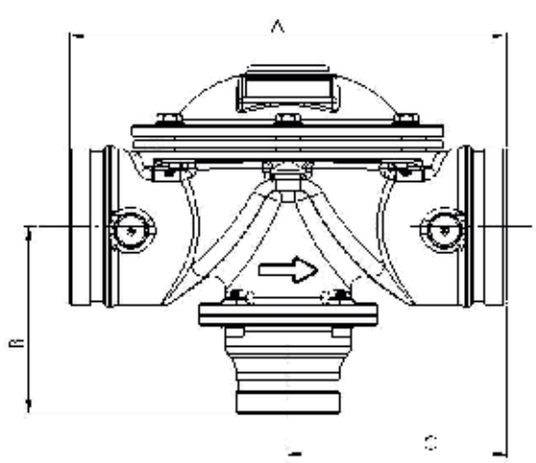


CODE	Drain Connection Type	Dimensions A (mm)	A (inch)	B (mm)	B (inch)	C (mm)	C (inch)	D (mm)	D (inch)	E (mm)	E (inch)	F (mm)	F (inch)
BW3X3IG2	Coupling 2" (DN50)	290	11,42	137,8	5,43	145	5,71	190	7,48	228,5	9	95	3,74
BW3X3IF2	Threaded 2"	290	11,42	137,8	5,43	145	5,71	190	7,48	228,5	9	95	3,74
BW3X3IG2$^{1/2}$	Coupling 2$^{1/2}$"(DN65)	290	11,42	134	5,28	145	5,71	190	7,48	225	8,86	95	3,74
BWP3x3IF2	Threaded 2"	294	11,57	151,35	5,96	147	5,79	228,5	9	260	10,24	11,25	4,5
BWP3x3IG2	Coupling 2" (DN50)	294	11,57	151,35	5,96	147	5,79	228,5	9	260	10,24	11,25	4,5
BWP3x3IG2$^{1/2}$	Coupling 2$^{1/2}$"(DN65)	294	11,57	147,5	5,81	147	5,79	228,5	9	341,5	13,44	130	5,12
BW4x4IG2	Coupling 2" (DN50)	320	12,6	140,8	5,54	160	6,3	228,5	9	259,3	10,21	114,5	4,5
BW4x4IF2	Threaded 2"(DN50)	320	12,6	142,8	5,59	160	6,3	228,5	9	260,5	10,26	114,5	4,5
BW4x4IG2$^{1/2}$"	Coupling 2$^{1/2}$" (DN65)	320	12,6	142,8	5,59	160	6,3	228,5	9	260,5	10,26	114,5	4,5
BWP4x4IF3	Threaded 3"	340	13,39	226	8,9	170	6,69	260	10,24	341,5	13,44	130	5,12
BWP4x4IG3	Coupling 3" (DN80)	340	13,39	226	8,9	170	6,69	260	10,24	341,5	13,44	130	5,12



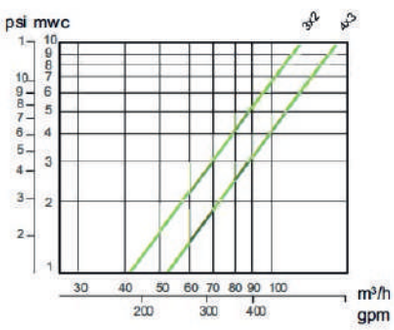
CODE	Max. Flow (m^3/h)	Max. Flow (usgpm)	Flow Coefficient (kv)	Flow Coefficient (cv)	Operating Pressure Temp. Range (Bar)	(Psi)	(MWC)	(^{0}C)
BW3x3IG25	80	350	113	130				
BW3x3IG2	80	350	113	130				
BW3x3IF2	80	350	113	130				
BW4x4IG25	105	460	148	170				
BWP3x3IF2	90	395	127	146	1-16	15-232	10-260	60-(140^{0}F)
BWP3x3IG2	90	395	127	146				
BWP3x3IG25	90	395	127	146				
BWP4x4IF3	135	595	190	218				
BWP4x4IG3	135	595	190	218				

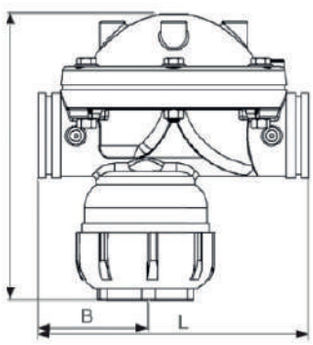
** Max flow rate according to 0.5 Bar head loss



PLASTIC BACKWASH CONTROL VALVES

TECHNICAL SPECIFICATION





CODE	Weight (lbs)	Weight (kg)	H (mm)	H (inch)	B (mm)	B (inch)	L (mm)	L (inch)
BW3x3PG2	11,02	5	282,4	11,1	110	4,32	310	12,2
BW4x4PG3	10,5	4,75	282,4	11,1	103	4,07	197,2	7,76

Material Name	Type of Material
1. Body	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. Bolt	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

CAST BODY CONTROL VALVES

Hydraulic Control Valves These are automatic valves with direct diaphragm closure operating with line pressure from a controller. They are used to completely stop or give way to the flow, to turn it in other directions, to collect it from other directions, to control it between the minimum and maximum flow value.

PIV Hydraulic Control Valves are used in many areas such as agricultural irrigation, mains water lines, filtration systems and industrial facilities.

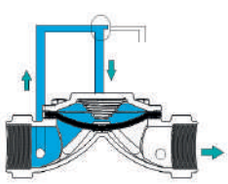
PROPERTIES

- Hydraulic Control valves operate completely automatically without the need for any extra energy.
- Thanks to the 2-way pressure reducing pilot on the valve, the valve can reduce the output pressure to the desired value without being affected by flow changes.
- It can be used with three different modes as open, closed and modulation.
- It can turn itself off automatically when there is no water in the mains.

WORKING PRINCIPLE

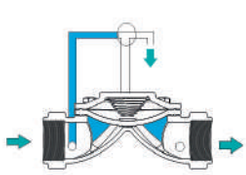
Valve Closing Mode

When the water pressure of the bidirectional pressure reducing pilots on the hydraulic control valve reaches above the diaphragm, the water creates a hydraulic force. Thanks to this pressure force, the diaphragm of the valve is pushed with the help of the spring force, closing the valve and sealing it.



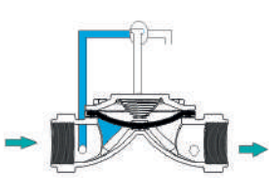
Valve Opening Mode

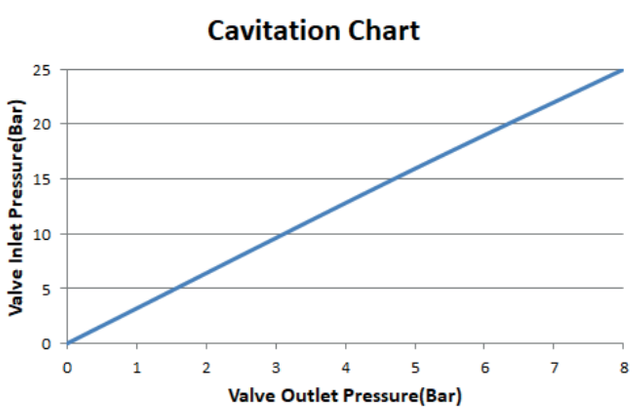
When the pilots on the closed hydraulic control valve are brought to the discharge position, the pressure water on the diaphragm of the valve is discharged by opening the discharge port completely. When the line pressure of the valve is in a position to overcome the spring force, the water applies hydraulic force to the diaphragm, bringing the valve to the fully open position.

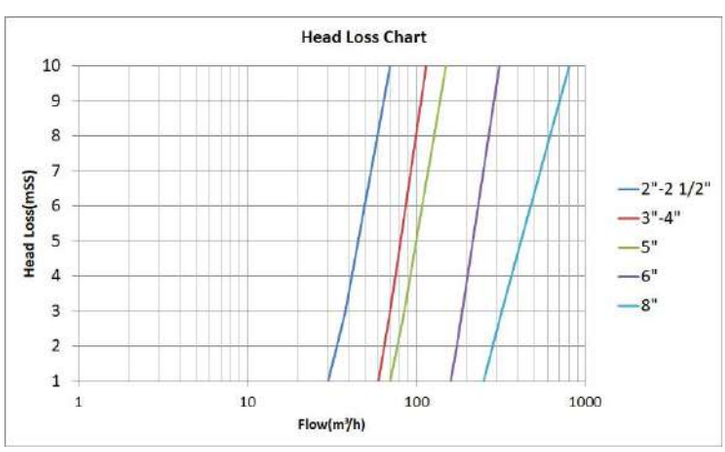


Modulation Mode

It is the pilot valves connected to the actuator mounted on the main valve, enabling the main valve to operate in Modulation Mode. It ensures that the main valve operates in modulation mode by continuously controlling the pressure of the fluid on the control chamber according to the flow amount and pressure to be adjusted.







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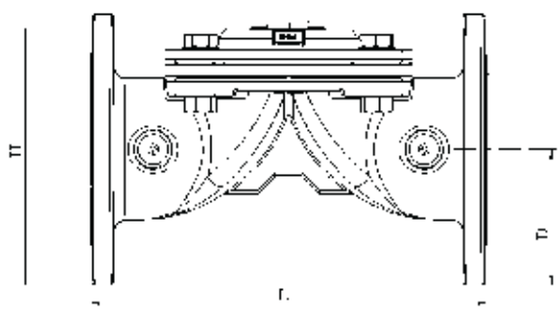
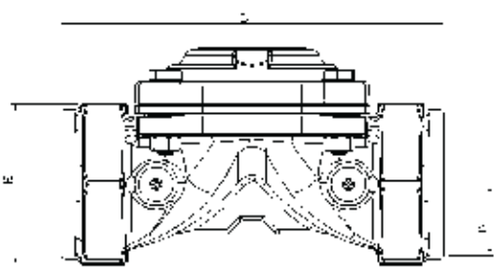


DN (mm)	DN (inch)	D (mm)	D (inch)	L (mm)	L (inch)	H (mm)	H (inch)	Weight (lbs)	Weight (kg)
80	3	198	7,79	280	11,02	175	6,88	32,95	14,95
100	4	220	8,66	335	13,18	180	7,08	42,43	19,92
125	5	253	9,96	298	11,73	215	8,46	70,99	32,2
150	6	288	11,33	396	15,59	328	12,91	103,61	47,8
200	8	342	13,46	561	22,08	419	16,49	159,73	72

Connection	Material	Body	Avaible Diameters (mm)	Avaible Diameters (inch)	Max. Operating Pressure
FLANGED	GGG40	GLOBE	3	80	PN10-PN16-PN25
			4	100	
			5	125	
			6	150	
			8	200	

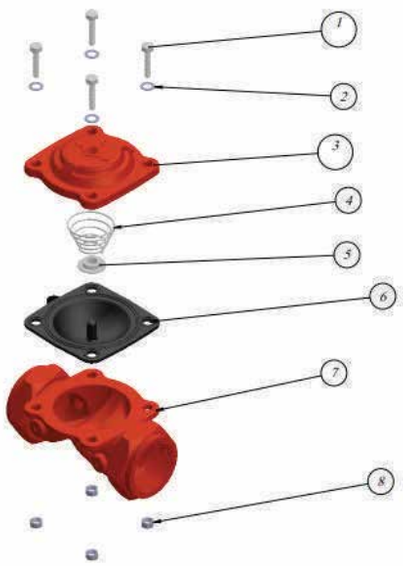
THREADED



DN (mm)	DN (inch)	D (mm)	D (inch)	L (mm)	L (inch)	H (mm)	H (inch)	Weight (lbs)	Weight (kg)
50	2	37	1,45	181	7,12	78,5	3,09	7	3177
65	$2^{1/2}$	42,5	1,67	198,5	7,81	90	3,54	8,39	3808

Connection	Material	Body	Avaible Diameters (mm)	Avaible Diameters (inch)	Max. Operating Pressure
THREADED	GGG40	GLOBE	3	80	PN10-PN16-PN25
			4	100	

TECHNICAL SPECIFATIONS



Track Name	Material
1. Bolt	8.8 Geomet Coating
2. Washer	8.8 Geomet Coating
3. Cover	GGG40
4. Spring	SST302
5. Spring Seat	Polyamide
6. Diaphragm	Naturel Rubber
7. Body	GGG40
8. Nut	8.8 Geomet Geomet

CAST BODY CONTROL VALVES

MANUAL HYDRAULIC PRESSURE CONTROL VALVE

Manual Hydraulic control valves work with line pressure. It is a type of valve that provides opening and closing with the help of a 3-way mini valve. The minimum opening pressure of such valves is 0.7 bar. With the help of the flexible diaphragm, it can be controlled easily and quickly even in high pressure applications, and it can be closed without causing impact. It can be used by adding different pilots on the valve body. In the "Open" position the valve is open, in the "Close" position the valve is closed.

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m^3/h)
M-2-MHV	2" Threaded	40
M-2.5-MHV	2 1/2" Threaded	50
M-3-MHV	3" Flanged	80
M-4-MHV	4" Flanged	95
M-5-MHV	5" Flanged	110
M-6-MHV	6" Flanged	200
M-8-MHV	8" Flanged	320

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

PRESSURE REDUCING AND SUSTAINING CONTROL VALVE

Pressure Reducing and Sustaining Control Valves stabilize the inlet pressure and convert the outlet pressure to the desired value. There are two pilots on the valve. There is a pilot to stabilize the inlet pressure in the upstream direction. The other pilot is the pilot with the pressure reducer. And it serves to reduce and stabilize the outlet pressure to the desired value. Pressure reducing and stabilizing control valves reduce excessive flow and high pressure in the down slope direction and ensure that the system operates at normal values. This type of valves continuously control the inlet and outlet pressures without being affected by the flow rate changes. And thanks to this control, it is the valves that keep it constant.

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m^3/h)
M-2-DSV	2" Threaded	40
M-2.5-DSV	2 1/2" Threaded	50
M-3-DSV	3" Flanged	80
M-4-DSV	4" Flanged	95
M-5-DSV	5" Flanged	110
M-6-DSV	6" Flanged	200
M-8-DSV	8" Flanged	320

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

HYDRAULIC CHECK VALVE

Hydraulic Check Valves are hydraulically controlled valves that prevent backflow in the system instead of check valves at the pump outlets. If the outlet pressure value exceeds the inlet pressure value, the valve opens slowly. In this way, the pressure fluctuation that occurs at the start of the pump is also prevented.

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m³/h)
M-2-HCV	2" Threaded	40
M-2.5-HCV	2 1/2" Threaded	50
M-3-HCV	3" Flanged	80
M-4-HCV	4" Flanged	95
M-5-HCV	5" Flanged	110
M-6-HCV	6" Flanged	200
M-8-HCV	8" Flanged	320

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

SELENOID CONTROL VALVE

The solenoid control valves provide remote control of the hydraulic valve with the solenoid coil mounted on the valve and thus perform the on-off operations. The solenoid coil provides the electrical signal to the valves by means of a control device, time relay, switch, PLC control unit, etc. control equipment. Optionally, 24 Volt AC 50 Hz or 12 Volt DC, 9 Volt DC latch and 12 Volt DC latch normally open (NO) or normally closed (NC) coils can be used on the main body.

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m³/h)
M-2-SKV	2" Threaded	40
M-2.5-SKV	2 1/2" Threaded	50
M-3-SKV	3" Flanged	80
M-4-SKV	4" Flanged	95
M-5-SKV	5" Flanged	110
M-6-SKV	6" Flanged	200
M-8-SKV	8" Flanged	320

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

ELECTRONIC FLOAT LEVEL CONTROL VALVE

The electronic float level control valves are the type of vama that continuiously controls the water level thanks to the electric float placed in the tank. When the water level in the tank drops below the desired value, the electric floater sends a signal to the selenoid coil on the main valve, allowing the valve to open itself fully and keep it constantly full. When the water level reaches the maximum level, the electric floater send a signal to the selenoid coil again, allowing the valve to close itself. The valve can be used by mounting the system in a horizontal or vertical position.

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m³/h)
M-2-ESSV	2" Threaded	40
M-2.5-ESSV	2 1/2" Threaded	50
M-3-ESSV	3" Flanged	80
M-4-ESSV	4" Flanged	95
M-5-ESSV	5" Flanged	110
M-6-ESSV	6" Flanged	200
M-8-ESSV	8" Flanged	320

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

QUICK PRESSURE RELIEF VALVE

Quick Pressure Relief Control Valves are designed to quickly discharge high pressure to outside and protect the system with a sudden opening movement in water systems with very high pressure increase. By means of the pilot on the valve, the inlet pressure can be adjusted to the desired pressure value. When the inlet pressure in the system rises above the set pressure for any reason, the valve opens quickly, evacuating the excess pressure and protecting the system. Although it is opened suddenly, the closing of the valve is slow enough to not create fluctuations, thanks to its hydraulic pressure operation. Completely sealed closure is ensured. It can also be used as a safety and warning valve in the outlet lines of pressure reducing control

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m^3/h)
M-2-RV	2" Threaded	40
M-2.5-RV	2 1/2" Threaded	50
M-3-RV	3" Flanged	80
M-4-RV	4" Flanged	95
M-5-RV	5" Flanged	110
M-6-RV	6" Flanged	200
M-8-RV	8" Flanged	320

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

PRESSURE REDUCING CONTROL VALVE

Pressure Reducing Control Valves are the valves used to reduce the inlet pressure to the desired pressure value, thanks to the pilot placed on it. Pressure reducing control valves continuously control the pressure value to be adjusted and keep it constant without being affected by the flow rate and inlet pressure values. When there is no flow in the system, the valve closes itself. When the valve inlet pressure value in the system falls below the set outlet pressure value, the valve opens itself. It is suitable for use in horizontal or vertical positions in valve systems.

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m^3/h)
M-2-DV	2" Threaded	40
M-2.5-DV	2 1/2" Threaded	50
M-3-DV	3" Flanged	80
M-4-DV	4" Flanged	95
M-5-DV	5" Flanged	110
M-6-DV	6" Flanged	200
M-8-DV	8" Flanged	320

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

PRESSURE SUSTAINING CONTROL VALVE

Pressure Sustaining Control Valves are designed to quickly discharge high pressure to outside and protect the system with a sudden opening movement in water systems with very high pressure increase. By means of the pilot on the valve, the inlet pressure can be adjusted to the desired pressure value. When the inlet pressure in the system rises above the set pressure for any reason, the valve opens quickly, evacuating the excess pressure and protecting the system. Although it is opened suddenly, the closing of the valve is slow enough to not create fluctuations, thanks to its hydraulic pressure operation. Completely sealed closure is ensured. It can also be used as a safety and warning valve in the outlet lines of pressure reducing control valves at critical points in water systems.

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m^3/h)
M-2-SV	2" Threaded	40
M-2.5-SV	2 1/2" Threaded	50
M-3-SV	3" Flanged	80
M-4-SV	4" Flanged	95
M-5-SV	5" Flanged	110
M-6-SV	6" Flanged	200
M-8-SV	8" Flanged	320

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

SELENOID CONTROLLED PRESSURE REDUCING VALVE

Solenoid Controlled Pressure Reducing Control Valve is a hydraulic control valve that reduces the input pressure value to the desired pressure value. The control of the main valve is effected by solenoid coils mounted on it. The solenoid valve is provided with an electrical signal, a control device, a time relay, a switch, a PLC control unit, and control equipment. Thus, automation and control in application systems are easily achieved.

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m^3/h)
M-2-SKDV	2" Threaded	40
M-2.5-SKDV	2 1/2" Threaded	50
M-3-SKDV	3" Flanged	80
M-4-SKDV	4" Flanged	95
M-5-SKDV	5" Flanged	110
M-6-SKDV	6" Flanged	200
M-8-SKDV	8" Flanged	320

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

CAST BODY CONTROL VALVES

FLOAT LEVEL CONTROL VALVE

Float Level Control Valves are hydraulic control valves that control the water level in water tanks. Main valve control is provided manually with 2-way float. The main valve, which is mounted on the tank entrances, closes without impact when the water level reaches the maximum level. When the water level drops to the minimum level, the main valve opens by itself, ensuring that the tank remains full. Needle valve is used to control valve opening and closing speed. The valve can be mounted to the systems in horizontal or vertical position. Differential float or electric float systems are used as control system

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m^3/h)
M-2-SSV	2" Threaded	40
M-2.5-SSV	2 1/2" Threaded	50
M-3-SSV	3" Flanged	80
M-4-SSV	4" Flanged	95
M-5-SSV	5" Flanged	110
M-6-SSV	6" Flanged	200
M-8-SSV	8" Flanged	320

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

DIFFERANTIAL FLOAT LEVEL CONTROL VALVE

Differential Float Level Control Valves are hydraulic control valves that control the water level in water tanks. Thanks to the differential float mounted on the tank inlets mounted on the main valve, the valve closes without impact when the water level reaches the desired maximum level. The minimum and maximum water level in the tank can be easily adjusted to the desired value in wide ranges. Therefore, during the level control of the tanks fed by the pump, the pump is not activated continuously. The valve keeps the water level constant by controlling it within the desired range without being affected by the flow amount and pressure changes. It is suitable for use in bottom and top fed tanks.

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m^3/h)
M-2-DSSV	2" Threaded	40
M-2.5-DSSV	2 1/2" Threaded	50
M-3-DSSV	3" Flanged	80
M-4-DSSV	4" Flanged	95
M-5-DSSV	5" Flanged	110
M-6-DSSV	6" Flanged	200
M-8-DSSV	8" Flanged	320

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

PLASTIC BODY HYDRAULIC CONTROL VALVES

PIVVALVE Plastic Hydraulic Valves are automatic control valves with diaphragm working with line pressure. Hydraulic Control Valves are used in agricultural irrigation, drinking water lines, filtration and industrial areas. PIVVALVE Plastic Valves are automatic control valves with diaphragm closure working with line pressure. Valve body and diaphragm design ensure smooth flow with minimum pressure loss. Since there is no bearing, bush and shaft in the valve body, valve life is longer. The only moving part of the valve is the diaphragm. PIVVALVE Plastic Hydraulic Control Valves are used in agricultural irrigation, drinking water lines, filtration andindustrial areas.

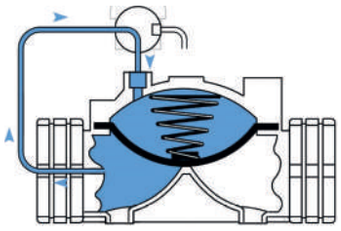
FEATURES

- Easy operation and maintenance with simple structure
- Lower costs
- Wide pressure range operation
- Perfect modulation even at low flow rates
- Flexible diaphragm to open and close without impact
- Fully sealed with reinforced diaphragm and internal springu
- Wide range of control applications with different pilot valves
- Ability to work in horizontal and vertical positions in application areas

WORKING PRINCIPLE

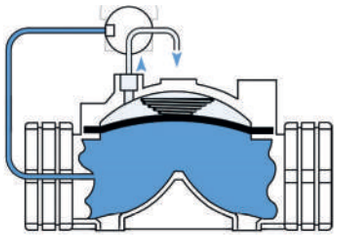
Valve Closing Mode

Pilot valves connected to the main valve create a hydraulic force on the valve diaphragm when the water pressure at the valve inlet reaches the actuator actuator (control reservoir) of the valve. This hydraulic force that is created combines the diaphragm of the valve with the extra force exerted by the internal spring to ensure a tight seal.



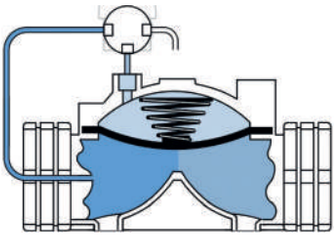
Valve Opening Mode

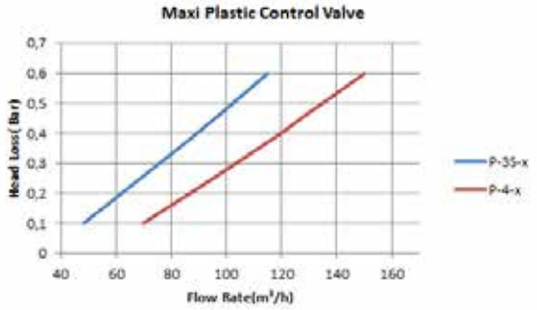
When the path of the pilot valve on the main valve in the closed position is set to the discharge position, the pressurized water in the control chamber on the diaphragm of the main valve is discharged. When the line pressure reaches the spring force, the valve diaphragm applies a hydraulic force to the diaphragm to bring the valve into the full open position.

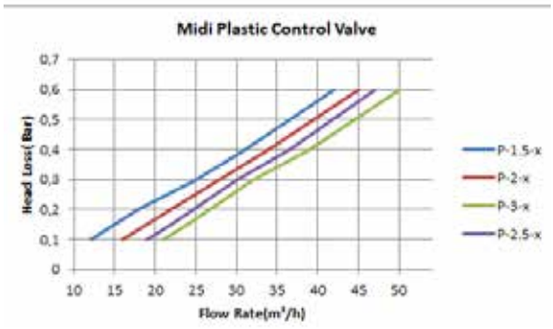


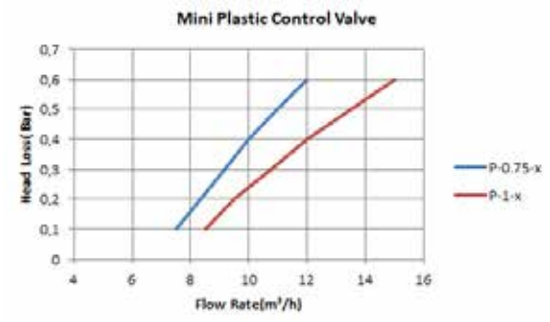
Modulation Mode

The pilot valves that connect the actuator to the main valve allow the main valve to operate in the modulated position. The va ive in the actuator of the main va ive (control reservoir), according to the flow quantity or pressure conditions to be adjusted, ensures that the fluid continuously operates in the modulated position by controlling the pressure.



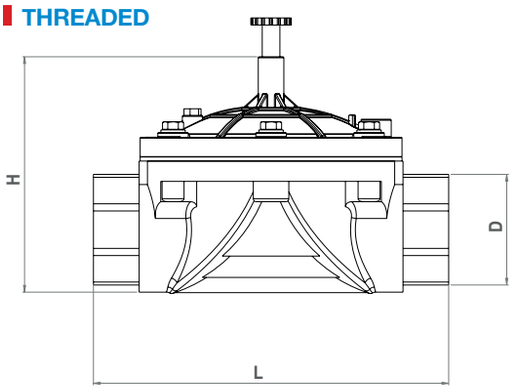






PLASTIC BODY HYDRAULIC CONTROL VALVES

THREADED



DN (mm)	DN (inch)	D (mm)	D (inch)	L (mm)	L (inch)	H (mm)	H (inch)	Weight (lbs)	Weight (kg)
20	3/4	42	1,65	140	5,51	92	3,6	0,66	0,3
25	1	42	1,65	140	5,51	92	3,6	0,66	0,3
40	1 1/2	72	2,8	216	8,5	140	5,5	2,54	1,15
50	2	72	2,8	216	8,5	140	5,5	2,65	1,2
65	2 1/2	102	4	236	9,3	155	6,1	3,09	1,4
80	3	102	4	236	9,3	155	6,1	3,42	1,55
80S	3	108	4,2	350	13,7	232	9,1	10	4,5
100	4	134	5,3	350	13,7	237	9,3	10	4,5

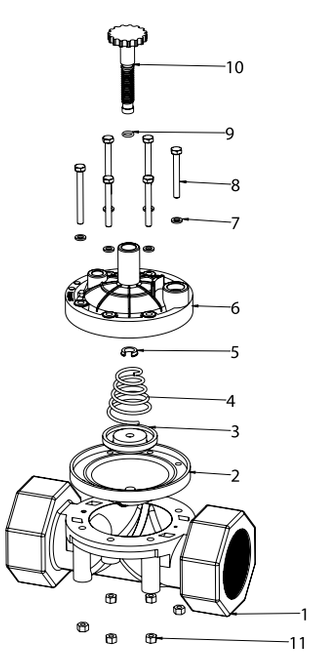
Connection	Material	Body	Max. Operating Pressure
THREADED	GLASS REINFORCED POLYAMIDE	GLOBE	10 Bar

HYDRAULIC PERFORMANCE

	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)
Valve Diameter	25	3/4	32	1	40	1 1/2	50	2	65	2 1/2	80	3
Kv m³/h@1 bar	50		44		60		70		80		90	
Cvgmp@1psi	56		66		69		81		92		104	

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

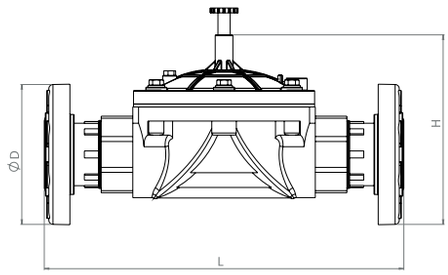
Kv : Vana Akış Katsayısı (1 Bar Basınç Basınç Kaybında Geçen Debi m3/h @ 1 Bar)
Cv : Vana Akış Katsayısı (1 Bar Basınç Basınç Kaybında Geçen Debi Gpm @ 1 Psi)
Q : Debi (m /h, gpm)
Cv= 1, 155Kv 4P: Basınç Kaybı (Bar, psi)
G: Suyun Özgül Ağırlığı (Su= 1,0)



TECHNICAL SPECIFATIONS

Track Name	Material
1. Body	Glass Reinforced Polyamide
2. Diaphragm	Natural Rubber
3. Spring Seat	Glass Reinforced Polyamide
4. Spring	SS302
5. Stopper	Glass Reinforced Polyamide
6. Cover	Glass Reinforced Polyamide
7. Washer	A2 Stainless Steel
8. Screw	A2 Stainless Steel
9. O-Ring	NBR
10. Regulating Screw	Glass Reinforced Polyamide
11. Nut	Brass

FLANGED



DN (mm)	DN (inch)	D (mm)	D (inch)	L (mm)	L (inch)	H (mm)	H (inch)	Weight (lbs)	Weight (kg)	Avaible Diameters (mm)	Avaible Diameters (inch)
80	3	200	7,87	510	20	269	10,5	14,52	6,6	80	3
100	4	227	9	520	20,4	284	11,2	16,28	7,40	100	4

Connection	Material	Body	Max. Operating Pressure
FLANGED	GLASS REINFORCED POLYAMIDE	GLOBE	10 Bar

HYDRAULIC PERFORMANCE

	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)
Valve Diameter	80	3	100	4	150	6
Kv m^3/h@1 bar	166		208		220	
Cvgmp@1psi	193		242		260	

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

Kv : Vana Akış Katsayısı (1 Bar Basınç Basınç Kaybında Geçen Debi m3/h @ 1 Bar)

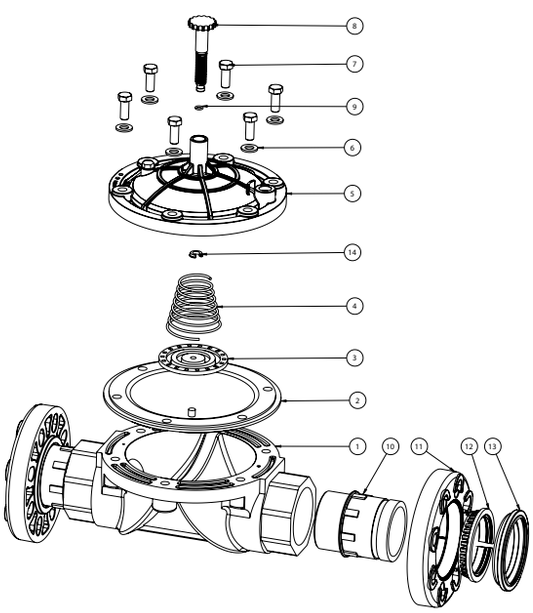
Cv : Vana Akış Katsayısı (1 Bar Basınç Basınç Kaybında Geçen Debi Gpm @ 1 Psi)

Q : Debi (m /h, gpm)

Cv= 1, 155Kv 4P: Basınç Kaybı (Bar, psi)

G: Suyun Özgül Ağırlığı (Su= 1,0)

TECHNICAL SPECIFATIONS



Track Name	Material
1. Body	Glass Reinforced Polyamide
2. Diaphragm	Natural Rubber
3. Spring Seat	Glass Reinforced Polyamide
4. Spring	SS302
5. Cover	Glass Reinforced Polyamide
6. Washer	A2 Stainless Steel
7. Screw	A2 Stainless Steel
8. Regulating Screw	Glass Reinforced Polyamide
9. O-Ring	NBR
10. Adapter	Glass Reinforced Polyamide
11. Flange	Glass Reinforced Polyamide
12. Cone Flange	Glass Reinforced Polyamide
13. Glange Gasket	Natural Rubber
14. Stopper	Glass Reinforced Polyamide

PLASTIC BODY HYDRAULIC CONTROL VALVES

QUICK PRESSURE RELIEF CONTROL VALVE

The Quick Pressure Relief Control Valve is the safety control valve designed to protect system by releasing pressure surges to atmosphere quickly caused from sudden changes in water speed because pumps put into/ out of service frequently in water network elevation lines. When network pressure goes beyond set point, valve opens by itself quickly and protects system by releasing over pressure. When line pressure decreases to normal level, it is closed slowly and automatically as wholly sealed without causing surge.

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m^3/h)
P-0.75-RV	3/4" Threaded	9
P-1-RV	1" Threaded	11
P-1.5-RV	1 1/2" Threaded	25
P-2-RV	2" Threaded	28
P-2.5-RV	2 1/2" Threaded	30
P-3-RV	3" Threaded	33
P-3S-RV	3" Threaded/Flanged	70
P-4-RV	4" Threaded/Flanged	110

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

PRESSURE REDUCING CONTROL VALVE

Pressure Reducing Control Valves are hydraulic control valves that reduce the input pressure value to the desired pressure value by means of a pressure reducer pilot mounted on it. The pressure reducer control valve constantly controls the output pressure value to be set without being influenced by the flow rate and inlet pressure values. When there is no flow in the system, the valve closes itself. When the valve inlet pressure value in the system falls below the set outlet pressure value, the valve opens itself. The valve can be used in horizontal or vertical position on the system.

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m^3/h)
P-0.75-DV	3/4" Threaded	9
P-1-DV	1" Threaded	11
P-1.5-DV	1 1/2" Threaded	25
P-2-DV	2" Threaded	28
P-2.5-DV	2 1/2" Threaded	30
P-3-DV	3" Threaded	33
P-3S-DV	3" Threaded/Flanged	70
P-4-DV	4" Threaded/Flanged	110

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

SELENOID CONTROL VALVE

The Solenoid Control Valve is a hydraulic control valve designed to provide on/off operation via internal 3/2-way solenoid pilot valves that operate with line pressure and are remotely controlled by electrical signal. The electrical signal for solenoid pilot valves is a controller,time relay, main switch and PLC control units etc. provided through. Opening and closing operation can be performed easily by means of manual control on the solenoid pilot valve. Optionally, 24V AC 50Hz / 60Hz or 12V DC, 9V DC LATCH and 12V DC LATCH normally open (N.O.) or normally closed (N.C.) solenoid coils can be used on the main valve.

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m³/h)
P-0.75-SKV	3/4" Threaded	9
P-1-SKV	1" Threaded	11
P-1.5-SKV	1 1/2" Threaded	25
P-2-SKV	2" Threaded	28
P-2.5-SKV	2 1/2" Threaded	30
P-3-SKV	3" Threaded	33
P-3S-SKV	3" Threaded/Flanged	70
P-4-SKV	4" Threaded/Flanged	110

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

FLOAT LEVEL CONTROL VALVE

The Float Level Control Valve i}s the hydraulic control valve designed to control water level in reservoirs and tanks continuously. Main valve is controlled by 2-way modulating type float pilot valve manually. Main valve mounted on reservoir and tank upstream is closed as fully sealed without causing surge when water level reaches to maximum level. Valve opening/closing speed may be adjusted in set value. it may be used in the system by mounting horizontal or vertical positions.

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m³/h)
P-0.75-SSV	3/4" Threaded	9
P-1-SSV	1" Threaded	11
P-1.5-SSV	1 1/2" Threaded	25
P-2-SSV	2" Threaded	28
P-2.5-SSV	2 1/2" Threaded	30
P-3-SSV	3" Threaded	33
P-3S-SSV	3" Threaded/Flanged	70
P-4-SSV	4" Threaded/Flanged	110

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

PRESSURE REDUCING & SUSTAINING CONTROL VALVE

The Pressure Reducing and Sustaining Control Valve is the control valve that reduces the output pressure to the desired value by holding the input pressure. There are two pilots on the valve. The pilot in the inlet direction is the pressure stabilization pilot and fixes the inlet pressure. The other pilot ensures that the pressure reducer remains constant by reducing the pilot pressure and the output pressure to the desired value. The pressure reducing and stabilizing control valve allows the system to operate at normal values by reducing excessive flow in the downward slope direction and lowering the high pressure. The valve keeps constantly controlling the inlet pressure and outlet pressure without being influenced by the flow rate changes.

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m^3/h)
P-0.75-DSV	3/4" Threaded	9
P-1-DSV	1" Threaded	11
P-1.5-DSV	1 1/2" Threaded	25
P-2-DSV	2" Threaded	28
P-2.5-DSV	2 1/2" Threaded	30
P-3-DSV	3" Threaded	33
P-3S-DSV	3" Threaded/Flanged	70
P-4-DSV	4" Threaded/Flanged	110

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

SOLENOID CONTROLLED PRESSURE REDUCING VALVE

Solenoid Controlled Pressure Reducing Control Valve is a hydraulic control valve that reduces the input pressure value to the desired pressure value. The control of the main valve is effected by solenoid coils mounted on it. The solenoid valve is provided with an electrical signal, a control device, a time relay, a switch, a PLC control unit, and control equipment. Thus, automation and control in application systems are easily achieved.

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m^3/h)
P-0.75-SKDV	3/4" Threaded	9
P-1-SKDV	1" Threaded	11
P-1.5-SKDV	1 1/2" Threaded	25
P-2-SKDV	2" Threaded	28
P-2.5-SKDV	2 1/2" Threaded	30
P-3-SKDV	3" Threaded	33
P-3S-SKDV	3" Threaded/Flanged	70
P-4-SKDV	4" Threaded/Flanged	110

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

PRESSURE SUSTAINING CONTROL VALVE

Pressure Sustaining Control Valve is a hydraulic control valve designed to protect the system by rapidly discharging the high pressure wave by sudden opening movement in water systems with excessive pressure increase. With the pilot on the valve, the input pressure is adjusted with the desired pressure. If for any reason the inlet pressure in the system rises above the set value, the valve is opened quickly to release the excess pressure to the outside and the system is protected. Despite its sudden opening, due to the hydraulic principle of operation, the closing of the valve is slowed down so as not to create a ripple. it provides a completely leak-tight seal. it can also be used as a safety and warning valve at the exit poi nts of the pressure reducing control valves alone at critical points in the water system.

CODE	INLET/OUTLET	Max. Recomended Flow Rate (m^3/h)
P-0.75-SV	3/4" Threaded	9
P-1-SV	1" Threaded	11
P-1.5-SV	1 1/2" Threaded	25
P-2-SV	2" Threaded	28
P-2.5-SV	2 1/2" Threaded	30
P-3-SV	3" Threaded	33
P-3S-SV	3" Threaded/Flanged	70
P-4-SV	4" Threaded/Flanged	110

** Max. Recommended Flow Rate at 0.3 Bar Head Loss

ELECTRONIC CONTROL VALVE

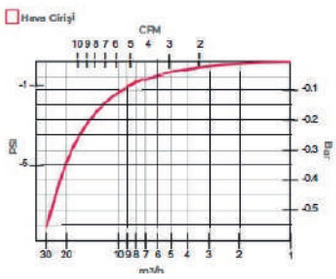
Pressure Sustaining Control Valve is a hydraulic control valve designed to protect the system by rapidly discharging the Electronic Controlled Control Valve is a hydraulic control valve that drain the water according to time. The control of the main valve is effected by solenoid coils mounted on it. The solenoid valve is provided with an electrical signal, a control device, a time relay. Thus, automation and control in application systems are easily achieved.

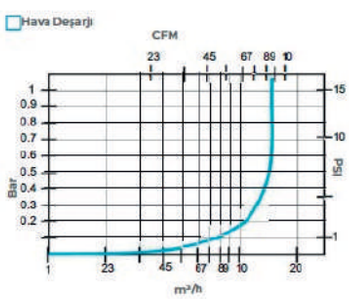
CODE	INLET/OUTLET	Max. Recomended Flow Rate (m^3/h)
P-0.75-EKV	3/4" Threaded	9
P-1-EKV	1" Threaded	11
P-1.5-EKV	1 1/2" Threaded	25
P-2-EKV	2" Threaded	28
P-2.5-EKV	2 1/2" Threaded	30
P-3-EKV	3" Threaded	33
P-3S-EKV	3" Threaded/Flanged	70
P-4-EKV	4" Threaded/Flanged	110

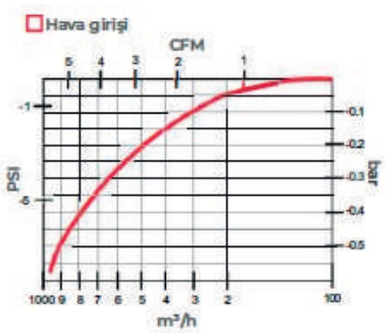
** Max. Recommended Flow Rate at 0.3 Bar Head Loss

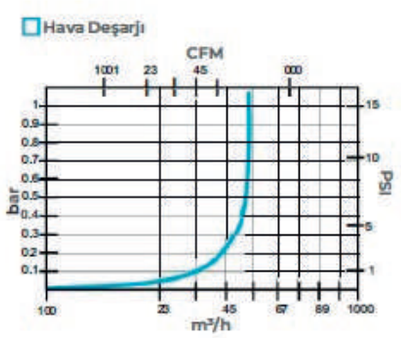
DOUBLE EFFECT AIR VALVE

CODE	INLET
CE-0.75-V	3/4" Threaded
CE-1-V	1" Threaded
CE-1.5-V	1 1/2" Threaded
CE-2-V	2" Threaded









DISCHARGE MODE

Open Position

Provides rapid evacuation of the high amount of air in the pipeline from the system during the first start of the system

Closed Position

When the water reaches the air valve, the float lifts up and closes the outlet of the air valve

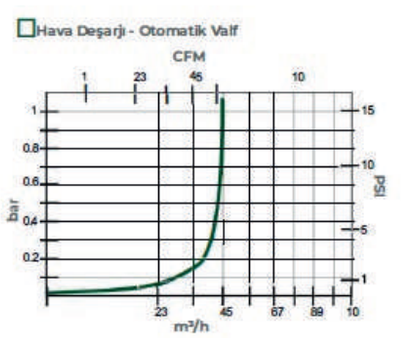
PRESSURE STABILIZATION MODE

Open Position

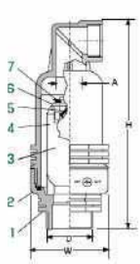
During drawing or evacuating the water from the pipeline. The pressure in the line is lower than atmospheric pressure. This condition called vacuum effect, and its causes collapse and cavitation damage in pipes. The float goes down (Open position) and avoids this problem by letting air flow from the outside to the pipeline.

Modulation Mode

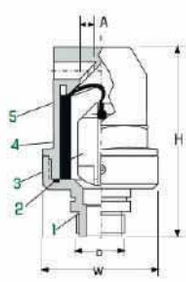
When the system is in service, that is, when the pipeline is under pressure, the low amount of air is dragged with water and collected in certain places such as high parts of the line. The high pressure accumulated air is evacuated with water and the float is partially opened (Modulation position). After evacuation, the float rises again and closes the air valve outlet (Closed position).



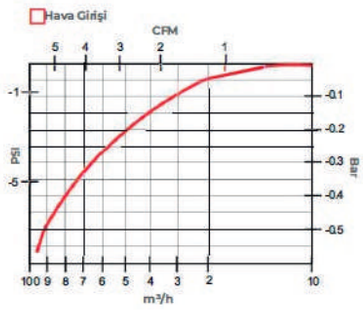
Material Name		Type of Material
1.	Body	Glass Reinforced polyamide
2.	O-Ring	NBR
3.	Cover	Glass Reinforced polyamide
4.	Float	Polipropilen
5.	Fork Rubber	EPDM
6.	Float Fork	Glass Reinforced polyamide
7.	Float Seal	EPDM

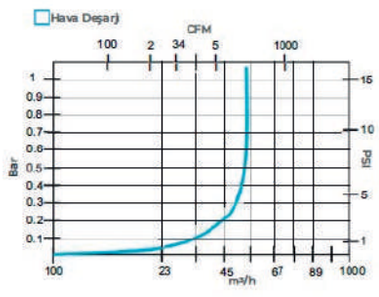


Material Name		Type of Material
1.	Body	Glass Reinforced polyamide
2.	O-Ring	NBR
3.	Float	Polipropilen
4.	Cover	Glass Reinforced polyamide
5.	Float Tire	EPDM

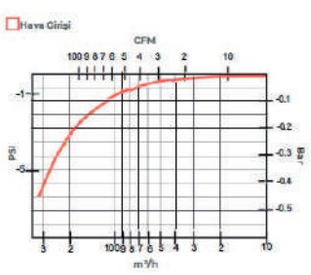


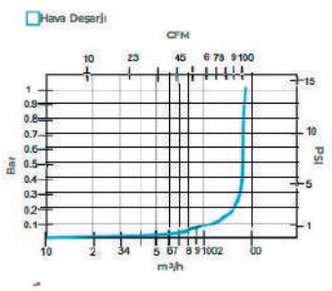
SINGLE EFFECT AIR VALVE





CODE	INLET
TE-0.75-V	3/4" Threaded
TE-1-V	1" Threaded
TE-1.5-V	1 1/2" Threaded
TE-2-V	2" Threaded





DISCHARGE MODE

Open Position

Provides rapid evacuation of the high amount of air in the pipeline from the system during the first start of the system.

Closed Position

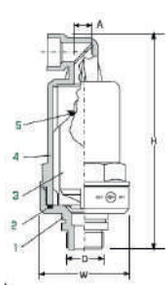
When the water reaches the air valve, the float lifts up and closes the outlet of the air valve.

PRESSURE STABILIZATION MODE

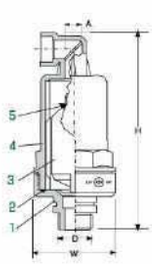
Open Position

During drawing or evacuating the water from the pipeline. The pressure in the line is lower than atmospheric pressure. This condition called vacuum effect, and its causes collapse and cavitation damage in pipes. The float goes down (Open position) and avoids this problem by letting air flow from the outside to the pipeline.

Material Name	Type of Material
1. Body	Glass Reinforced polyamide
2. O-Ring	NBR
3. Cover	Glass Reinforced polyamide
4. Float	Polipropilen
5. Fork Rubber	EPDM

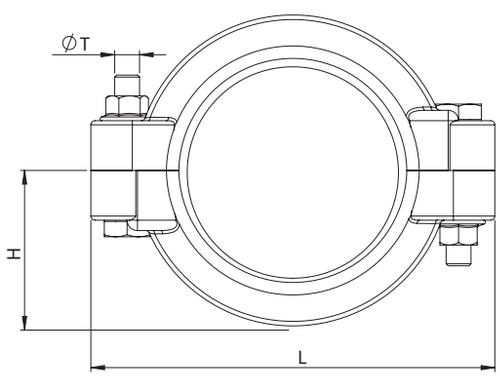


Material Name	Type of Material
1. Body	Glass Reinforced polyamide
2. O-Ring	NBR
3. Float	Polipropilen
4. Cover	Glass Reinforced polyamide
5. Float Tire	EPDM

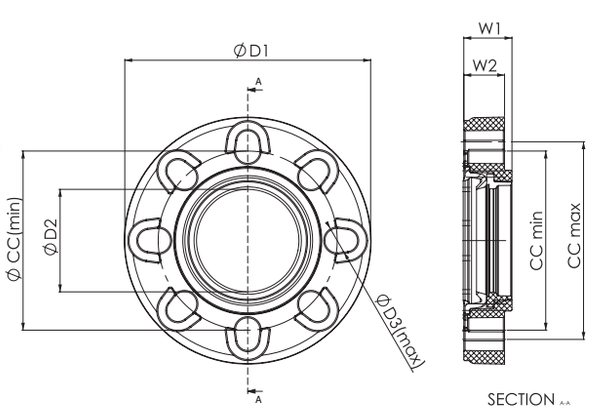


PLASTIC CLAMPS - V20

CODE	D (inch)	H (mm)	T (mm)	L (mm)	Max. Pressure (bar)	Weight (kg)
V2020	2	45	10	133	10	0,37
V2025	2 1/2	55	10	146	10	0,41
V2030	3	62,5	12	165	10	0,6
V2040	4	75	12	195	10	0,72
V2050	5	88	12	230	8	0,82
V2060	6	101,8	14	260	8	0,91



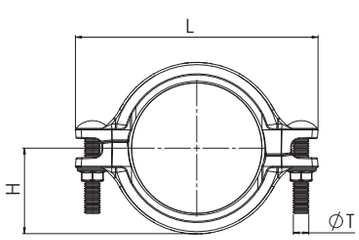
PLASTIC FLANGES - VFA

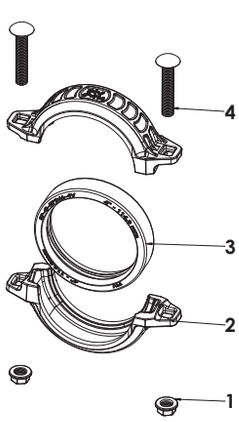


CODE	D1 (mm)	D2 (inch)	D3 Min (mm)	D3 Max (mm)	CC Min (mm)	CC Max (mm)	W1 (mm)	W2 (mm)
VFA3	200	3	18	19,5	145	160	39	33
VFA4	228	4	19,5	19,5	175	191	39	35
VFA6	285	6	22,3	22,3	239	242	49	44

GROOVED COUPLINGS - GC

CODE	D (inch)	H (mm)	T (mm)	L (mm)
GC2-C	2	42,5	10	136
GC25-C	2 1/2	50	10	152
GC3-C	3	56	10	166
GC4-C	4	70,5	12	200
GC5-C	5	84,5	12	227
GC6-C	6	100	12	255
GC8-C	8	128	16	330
GC10-C	10	156,5	22	405





Material Name	Type of Material
1. Nut	8.8 Grade: A2X70, Galvanized
2. Cast Clamp Body	GGG40
3. Clamp Gasket	Natural Rubber
4. Bolt	Grade: A2X70, Galvanized

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