aytokfiltre.com

Aytok®

Water Filter Systems

Aytok®
Water Filter Systems

AYTOK started its manufacturing journey by producing PE Fittings for driplines in Izmir (1997). In 1999, AYTOK management perceived a new market opportunity and started metal and plastic filter manufacturing in Konya. This decision created remarkable results, contributing AYTOK a market leader manufacturer position in Turkey. AYTOK management's great support on R&D and market research in accordance with customer request, lies behind this success. AYTOK, a pioneer at the sector, has contributed to further development of the sector and user-oriented by field troubleshooting service, factory maintenance, technology and control systems and continued this responsibility by competing with itself. Today, AYTOK is serving its domestic and international customers in more than 60 countries with its all White and Blue collar employees including dedicated engineers in the total area of 30000 m^2 that 12380 m^2 of which is indoor area. As an innovative brands in its own domestic market, AYTOK is one of the leading players in the global market, as well, who follows international manufacturing standards by its exports capabilities. By always giving importance to quality, technology and innovation, alongside environmental protection policy, AYTOK will continue its works without compromising this service concept and stabilize its position in filtration industry in the international market.

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

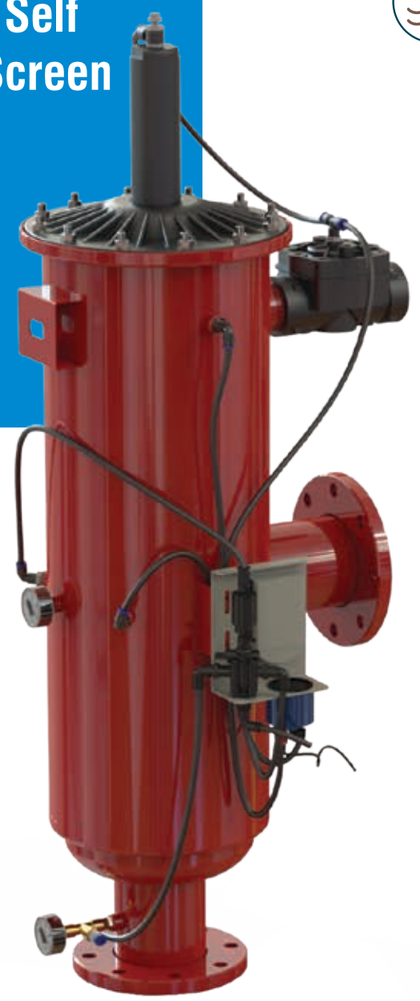
CE | TSE | TSEK | ISO 9001:2015 | ISO 45001

AYTOK FILTRATION USAGE AREA
AGRICULTURAL IRRIGATION FILTRATION SYSTEMS
COOLING TOWER FILTRATION SYSTEMS
LASTAGE(BALLAST) FILTRATION SYSTEMS
HYDROELECTRIC PLANT FILTRATION SYSTEMS
SEA WATER DESALINATION FILTRATION SYSTEMS
VARIOUS WATER SOURCE FILTRATION SYSTEMS (RIVER, LAKE, DAM ETC.)
WELL WATER FILTRATION SYSTEMS
SPECIFIC FILTRATION ON MANUFACTURING PLANT BASED ON WATER CONTAMINATION, FLOW AND PRESSURE
REVERSE OSMOS AND PURIFICATION FILTRATION SYSTEMS
GREENHOUSE FILTRATION SYSTEMS
WASTE WATER TREATMENT FILTRATION SYSTEMS

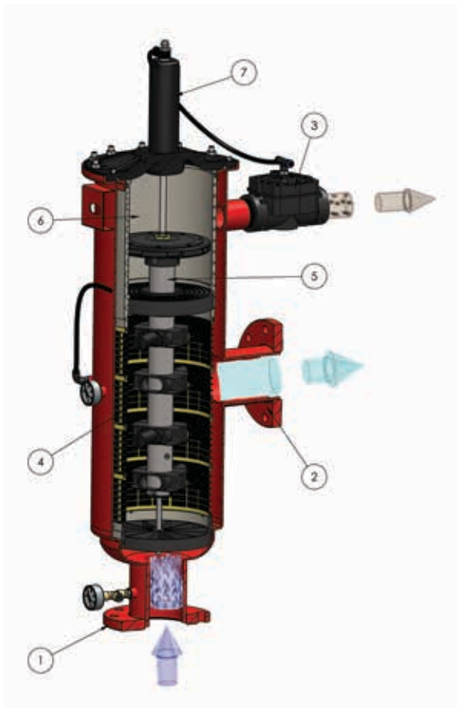
AUTOMATIC SELF CLEANING SCREEN FILTERS

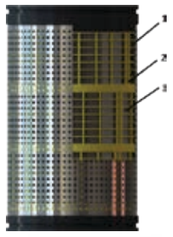
- AUTOMATIC SELF CLEANING SCREEN FILTER VBE, MODELS
- AUTOMATIC SELF CLEANING SCREEN FILTER HBE MODELS
- AUTOMATIC SELF CLEANING SCREEN FILTER VRF MODELS (motor reducer)
- AUTOMATIC SELF CLEANING SCREEN FILTER RF MODELS (motor reducer)
- SEMI AUTOMATIC SELF CLEANING SCREEN FILTER MF MODELS

Automatic Self Cleaning Screen Filter



SCREEN
VBE
automatic

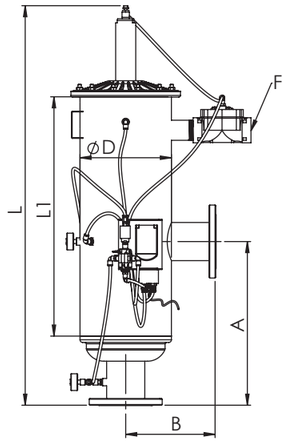


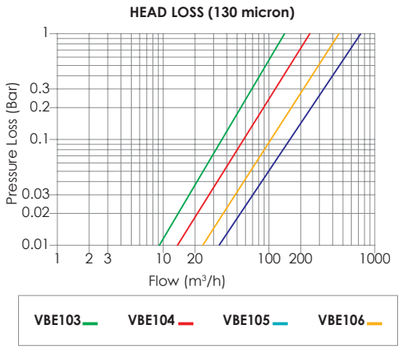


1 - Protector coarse screen SS304L

2 - Molded plastic rib (PA6)

3 - The main filtering screen





CODE	Inlet/Outlet		A	B	L1	L	D	F	Drain Flow Rate		Main Flow Rate		Filration Area	Nozzle	Sieve	Weight
	inch	DN	mm				inch		L/S	Usgpm	m³/h	Usgpm	cm²	Qty.		kg
VBE102	2	50	465	270	515	965	10	1 ½	3,3	53	30	132	1317	2	2	46
VBE102S	2	50	515	270	615	1065	10	1 ½	5	79	45	198	1975	3	3	50
VBE1025F	2½	65	465	270	515	965	10	1 ½	3,3	53	40	176	1317	2	2	51
VBE1025	2½	65	515	270	615	1065	10	1 ½	5	79	50	220	1975	3	3	52
VBE103F	3	80	465	270	515	965	10	1 ½	3,3	53	55	242	1317	2	2	52
VBE103	3	80	515	270	615	1065	10	1 ½	5	79	70	308	1975	3	3	54
VBE104F	4	100	515	270	615	1065	10	1 ½	5	79	100	440	1975	3	3	56
VBE104	4	100	565	270	715	1165	10	2	6,7	105	120	528	2634	4	4	59
VBE104S	4	100	855	287	1120	1725	10	2	5	79	140	616	3951	3	6	76
VBE105	5	125	855	287	1120	1725	10	2	5	79	150	660	3951	3	6	79
VBE105S	5	125	955	287	1320	1925	10	2	6,7	105	160	704	5268	4	8	85
VBE106	6	150	955	287	1320	1925	10	2	6,7	105	180	792	5268	4	8	90

GENERAL CHARACTERISTICS

Body Material: S195T / SS 316L / SS 304 L
Screen Material: SS 304L, PA6GFR30
Maximum Working Pressure : 10 Bar (145 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

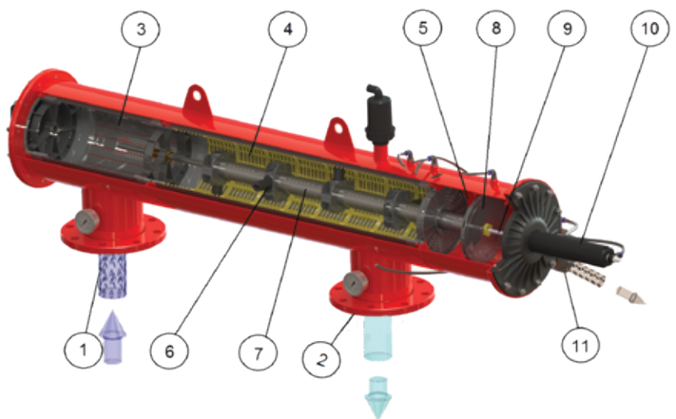
WORKING PRINCIPLE

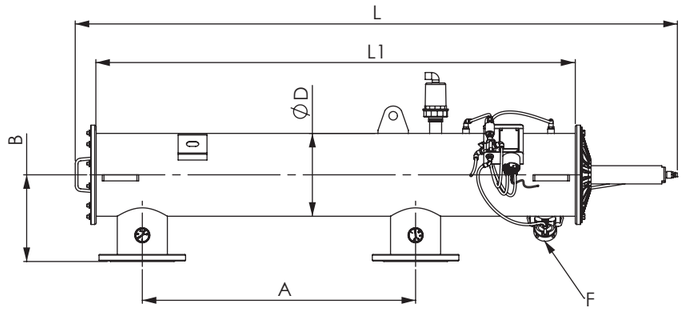
Filter sections; 1- Dirty water inlet, 2-Clean water outlet, 3- Backwash dirty water outlet drainage, 4-Sieve internal kit (multi-layer), 5-Collector kit (backwash water vacuuming channel), 6-Turbine chamber, Water enters the filter and passes through multi-layer filter, then passes coarse sieve. Water continues to flow from fine filter to exit, creates a layer of pollution inner surface of the filter and this pollution creates pressure difference at inlet and outlet of the filter. Backwash begins when this pressure difference comes at a predetermined level.A specified pressure difference is reached, the backwash control unit opens discharge valve. Atmospheric pressure in discharge pipe creates a strong backwash. This flow returns cleaning collector through hydraulic turbine and drainage pipe after vacuuming the pollution in the inner surface of filter by creating a vacuum effect at nozzles.Pressure decrease consist in turbine part and piston drainage provides a linear motion to cleaning collector. This rotation and linear motion provides absorption of pollution layer in the inner surface of filter by nozzles. When process is completed, cleaning collector automatically makes a second backwash and returns to its original position, so ashing process is completed. During backwash filtering process continues. For efficiently work of system, during backwash process inlet pressure must not be less than 2 Bar (29PSI).

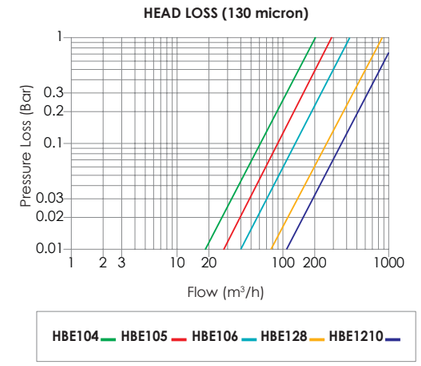
Automatic Self Cleaning Screen Filter

SCREEN
HBE
automatic

GENERAL CHARACTERISTICS
Body Material: S195T / SS 316L / SS 304 L
Screen Material: SS 304L, PA6GFR30
Maximum Working Pressure : 10 Bar (145 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



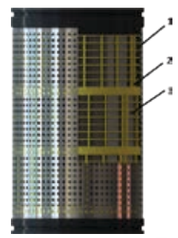




CODE	Inlet/Outlet		A	B	L1	L	D	F	Drain Flow Rate		Main Flow Rate		Filration Area	Nozzle	Sieve	Weight
	inch	DN	mm				inch		L/S	gal (US)/min	m³/h	gal (US)/min	cm²	Qty.		kg
HBE104	4	100	500	287	1070	1475	10	2	3,3	53	120	528	2634	2	4	64
HBE104S	4	100	600	287	1270	1675	10	2	5	79	140	616	3951	3	6	75
HBE105	5	125	600	287	1270	1675	10	2	5	79	150	660	3951	3	6	78
HBE105S	5	125	900	287	1580	1985	10	2	6,7	105	160	704	5268	4	8	89
HBE106	6	150	900	287	1580	1985	10	2	6,7	105	180	792	5268	4	8	94
HBE126S	6	150	1100	312	1972	2375	12	2	10	158	220	968	7902	6	12	132
HBE128	8	200	1100	312	1972	2375	12	2	10	158	320	1408	7902	6	12	135
HBE1210	10	250	1100	312	1972	2375	12	2	10	158	380	1672	7902	6	12	166

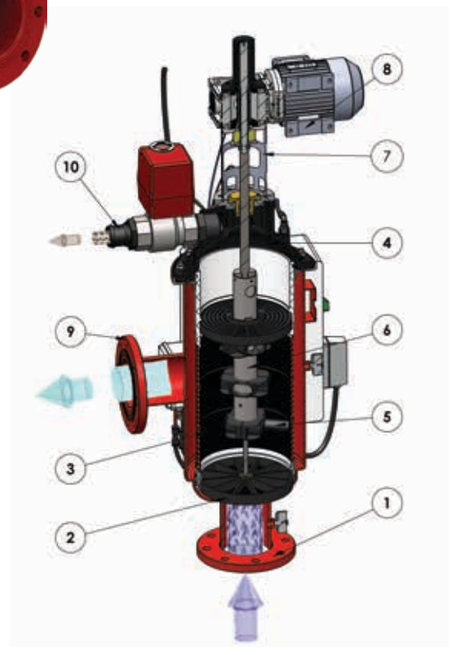
WORKING PRINCIPLE

Water enters the filter (1) and passes through multi-layer filter, then passes coarse sieve (3). Water continues to flow from fine filter to exit (2), creates a layer of pollution inner surface of the filter and this pollution creates pressure difference at inlet and outlet of the filter. Backwash begins when this pressure difference comes at a predetermined level. A specified pressure difference is reached, the backwash control unit opens discharge valve (9). Atmospheric pressure in discharge pipe creates a strong backwash. This flow returns cleaning collector through cleaning collector (7), hydraulic turbine (8) and drainage pipe after vacuuming the pollution in the inner surface of filter by creating a vacuum effect at nozzles (6).Pressure decrease which occures at hydraulic turbine (5) and drainage of the piston (10), provides a linear motion to the cleaning collector. This rotation and linear motion provides absorption of pollution layer in the inner surface of filter by nozzles. When process is completed, cleaning collector automatically makes a second backwash and returns to its original position, so washing process is completed. During backwash filtering process continues. For efficiently works of system, during backwash process inlet pressure must not be less than 2 Bar (29PSI).



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

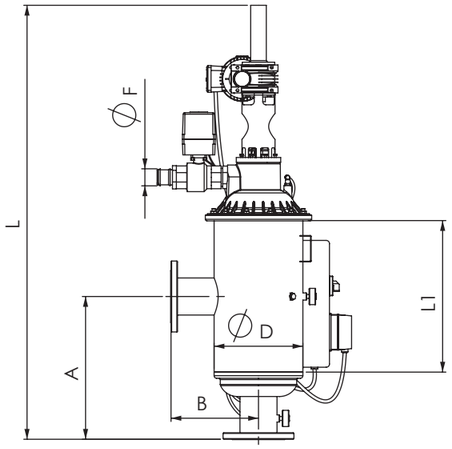
Automatic Self Cleaning Screen Filter

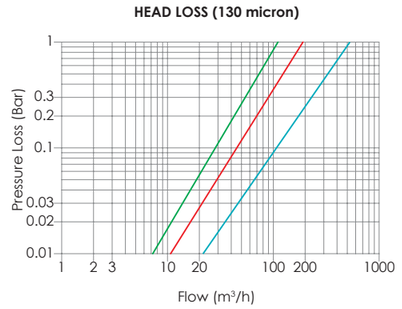


SCREEN
VRF
motor reducer

GENERAL CHARACTERISTICS

Body Material: S195T / 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

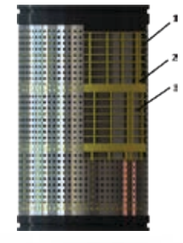




CODE	Inlet/Outlet		A	B	L1	L	D	F	Drain Flow Rate		Main Flow Rate		Filration Area	Nozzle	Sieve	Weight
	inch	DN	mm				inch		L/S	gal (US)/min	m³/h	gal (US)/min	cm²	Qty.		kg
VRF102F	2	50	310	270	240	1110	10	2	1,7	26	30	132	658	2	1	27
VRF1025F	2½	65	310	270	240	1110	10	2	1,7	26	40	176	658	2	1	28
VRF102	2	50	390	270	365	1235	10	2	3,3	53	40	176	1317	2	2	43
VRF1025	2½	65	390	270	365	1235	10	2	3,3	53	50	220	1317	2	2	44
VRF103	3	80	390	270	365	1235	10	2	3,3	53	55	242	1317	2	2	45
VRF103S	3	80	440	270	465	1335	10	2	5	79	70	308	1975	3	3	48
VRF104	4	100	440	270	465	1335	10	2	5	79	100	440	1975	3	3	50
VRF104S	4	100	490	270	565	1435	10	2	3,3	53	120	528	2634	4	4	52
VRF105	5	125	590	287	765	1710	10	2	5	79	150	660	3951	6	6	60
VRF105S	5	125	840	287	1015	1960	10	2	5	79	180	792	5268	4	8	132
VRF106	6	150	840	287	1015	1960	10	2	5	79	180	792	5268	4	8	135

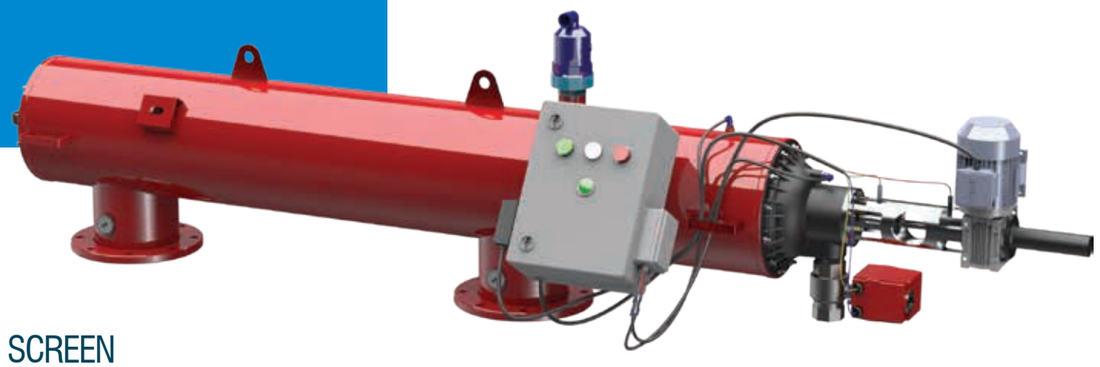
WORKING PRINCIPLE

The suspensive solid matters available in the dirty water and liquids come into the coarse screen (2) passing through (1) the inlet collector and then into the multi-layer fine screen. The solid matters are kept into the (3) fine screen, the clean water which flows out of the multi-layer screen is served up to use through the (9) outlet collector. At the end of this continuous process, a solid matter layer will form in the multi-layer screen. Hence, a pressure difference is consisted naturally between the inlet collector and outlet collector. The signals created by this pressure difference vacuum the solid matters which are accumulated on interior membrane of the multi-layer fine filter by programming via (11) electronic controller. Vacuuming process-electronic: The lid covering the drainage outlet is opened by means of a signal sent to solenoid valve detecting the pressure by DP in the electronic controller (11). A current is formed towards the atmosphere pressure in the filter following the Solenoid valve (12) opening and controller (10) driving the motor (8), with this vacuum pipe and therefore moving the nozzles with linear and rotary motion, solid matters on the interior membrane of the multi-layer filter are thrown out by vacuuming .



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

Automatic Self Cleaning Screen Filter



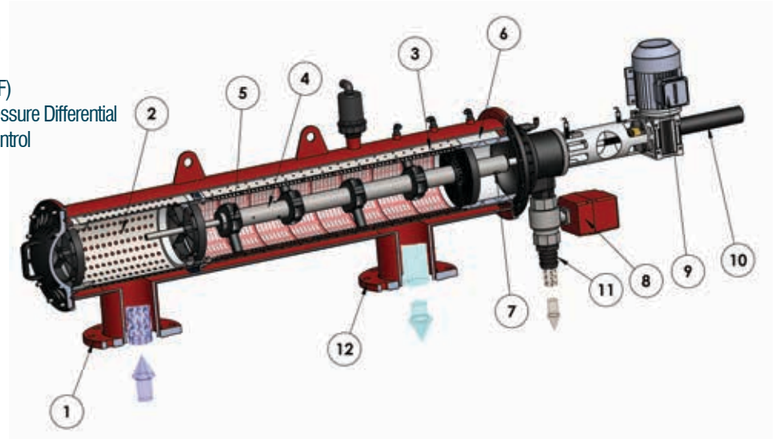
SCREEN

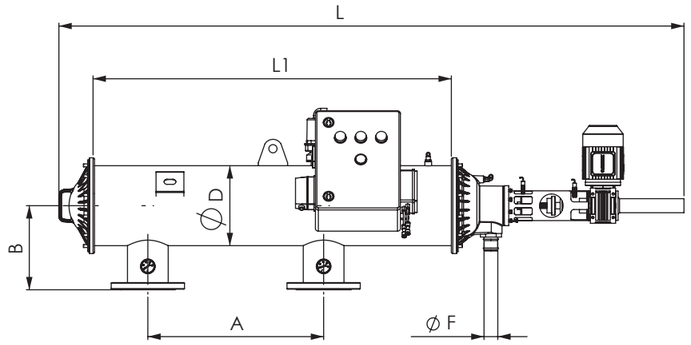
RF

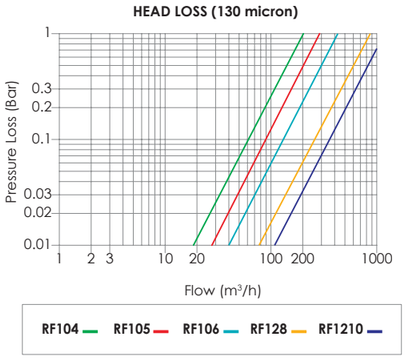
motor reducer

GENERAL CHARACTERISTICS

Body Material: S195T / 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



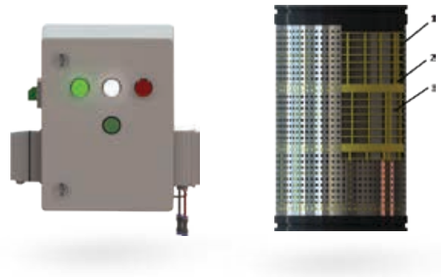




CODE	Inlet/Outlet		A	B	L1	L	D	F	Drain Flow Rate		Main Flow Rate		Filration Area	Nozzle	Sieve	Weight
	inch	DN	mm				inch		L/S	Usgpm	m³/h	Usgpm	cm²	Qty.		kg
RF104	4	100	500	287	920	1770	10	2	3,3	53	120	528	2634	2	4	90
RF104S	4	100	600	287	1120	1970	10	2	5	79	140	616	3951	3	6	100
RF105	5	125	600	287	1120	1970	10	2	5	79	150	660	3951	3	6	100
RF105S	5	125	900	287	1430	2285	10	2	6,7	105	160	704	5268	4	8	108
RF106	6	150	900	287	1430	2285	10	2	6,7	105	180	792	5268	4	8	110
RF126S	6	150	1100	312	1972	2825	12	2	10	158	220	968	7902	6	12	150
RF128	8	200	1100	312	1972	2825	12	2	10	158	320	1408	7902	6	12	152
RF1210	10	250	1100	312	1972	2825	12	2	10	158	380	1672	7902	6	12	165

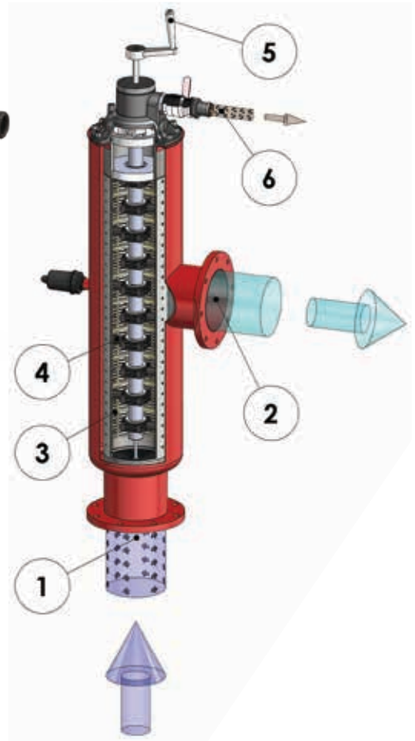
WORKING PRINCIPLE

The suspensive solid matters available in the dirty water and liquids come into the coarse screen (2) passing through (1) the inlet collector and then into the multi-layer fine screen. The solid matters are kept into the (3) fine screen, the clean water which flows out of the multi-layer screen is served up to use through the (12) outlet collector. At the end of this continuous process, a solid matter layer will form in the multi-layer screen. Hence, a pressure difference is consisted naturally between the inlet collector and outlet collector. The signals created by this pressure difference vacuum the solid matters which are accumulated on interior membrane of the multi-layer fine filter by programming via electronic Vacuuming process-electronic:
The lid covering the drainage outlet is opened by means of a signal sent to solenoid valve detecting the pressure by DP in the electronic controller (13). A current is formed towards the atmosphere pressure in the filter following the Solenoid valve (8) opening. The controller (11) drives the motor (9) at the same time, and therefore solid matters on the interior membrane of the multi-layer filter are thrown out moving the vacuuming pipe and therefore the nozzles with linear and rotary motion by vacuuming.



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

Semi-Automatic Screen Filter



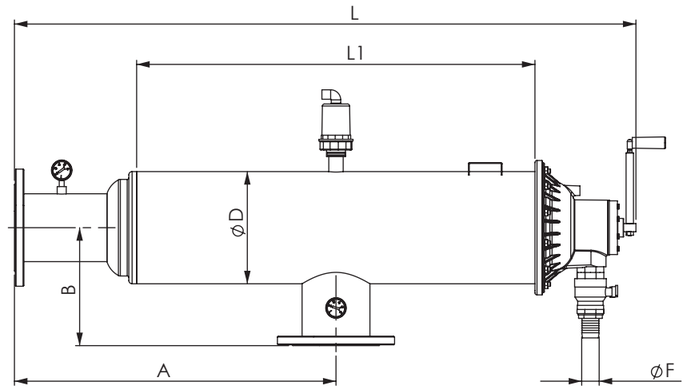
SCREEN

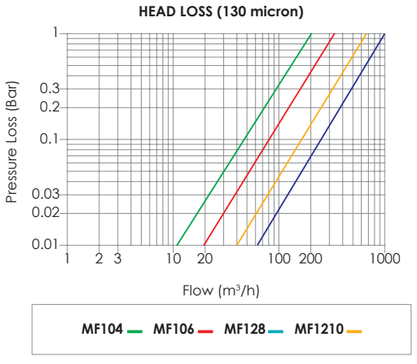
MF

semi automatic

GENERAL CHARACTERISTICS

Body Material: S195T / 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:Pressure Differential
Back Flush Controlling Unit: Semi Automatic Control
Filtration Degree: 20-2000 micron (μ)
Painting Method: Electrostratic Powder Coating
Painting Material: Epoxy Polyester

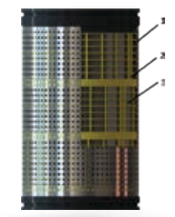




CODE	Inlet/Outlet		A	B	L1	L	D	F	Drain Flow Rate		Main Flow Rate		Filration Area	Nozzle	Sieve	Weight
	inch	DN	mm				inch		L/S	Usgpm	m³/h	Usgpm	cm²	Qty.		kg
MF602	2	50	320	145	400	750	6	1 1/2	2,5	40	30	132	1140	6	3	20
MF6025	2½	65	320	145	400	750	6	1 1/2	2,5	40	35	154	1140	6	3	18
MF603	3	80	450	145	515	880	6	1 1/2	3,3	52	45	198	1520	8	4	25
MF804	4	100	585	180	635	1005	8	1 1/2	4,2	66	70	308	1900	10	5	33
MF105	5	125	680	287	770	1315	10	2	5,0	79	150	660	3951	3	6	57
MF106	6	150	780	287	970	1515	10	2	6,7	105	180	792	5268	4	8	67
MF126S	6	150	985	312	1385	1930	12	2	10,0	158	220	968	7902	6	12	115
MF128	8	200	870	312	1150	1695	12	2	8,3	132	320	1408	6585	5	10	115
MF128S	8	200	985	312	1385	1930	12	2	10,0	158	340	1496	7902	6	12	127

WORKING PRINCIPLE

The water flows through the inlet and reaches to the fine screen (1) which is covered and protected by a coarse screen (3) made of rough material. Here, the dirt particles are trapped inside the fine screen while the filtered water flows through the outlet. (2) Trapped dirt particles from the filter cake on the inner surface of the fine screen. In order to clean the filter, open the drainage valve to allow the trapped particles to be flushed away from the system. After, rotating the handle (5) in counter clockwise direction and then clockwise rotation. In this way, the suction nozzles (4) move in a spiral movement along the screen to vacuum up the collected dirt particles from the screen. The captured particles are flushed out the drain. (6) Repeat this process until the inlet and outlet pressures are balanced. Cleaning is done during the filtration process without interrupting the water flow through the filter.



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

PRODUCT IN LINE

PLASTIC FILTERS

Aytok®
Water Filter Systems

- MINI PLASTIC FILTERS (DISC & SCREEN) MPD,MPE
- PLASTIC MANUAL T MODEL FILTERS (DISC & SCREEN) PE, PD
- PLASTIC MANUAL DOUBLE MODEL FILTERS (DISC & SCREEN) DE, DD
- PLASTIC AUTOMATIC SELF CLEANING DISC FILTERS T MODEL PSC
- PLASTIC AUTOMATIC SELF CLEANING DISC FILTERS DOUBLE MODEL DDSC
- PLASTIC HYDROCYCLONE P20
- PLASTIC SAND MEDIA FILTERS P30
- PLASTIC FERTILIZER TANKS P1100, P1200
- PLASTIC CLAMPS V20
- PLASTIC VENTURIES
- PLASTIC FLANGES

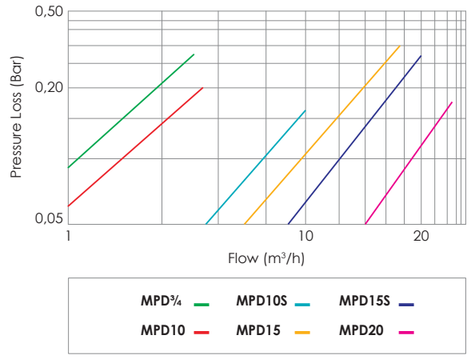
Mini Plastic Filters

DISC & SCREEN
MPD, MPE

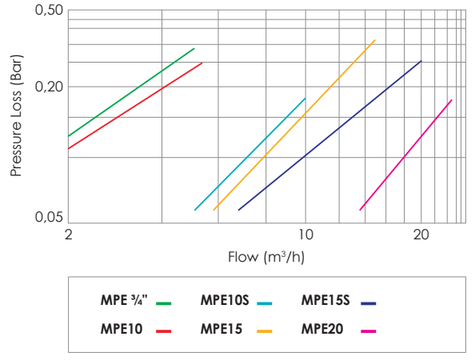
GENERAL CHARACTERISTICS

Body Material : PP
Cartridge Material: PP (Disc) PA (Screen SS 304 Cage PA)
Maximum Working Pressure : 8 Bar (116 PSI)
Maximum Working Temperature: 60 °C/ 140 °F
Filtration Degree: 20-50-100-130 micron
Filter Cartridge: D: Disc Cartridge E: Screen Cartridge

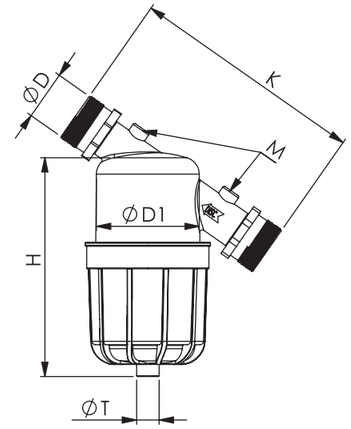
HEAD LOSS (130 MICRON)



HEAD LOSS (130 MICRON)



CODE	D	M	T	D1	H	K	FLOW	FILTER SURFACE AREA	WEIGHT
	inch			mm			m³/h	cm²	kg
MPE3/4	3/4		1/2	68	190	160	5	165	0,3
MPD3/4	3/4		1/2	68	190	160	5	185	0,45
MPE10	1		1/2	68	190	160	6	165	0,3
MPD10	1		1/2	68	190	160	6	185	0,45
MPD10S	1		1/2	96	230	220	10	300	0,75
MPE10S	1		1/2	96	230	220	10	325	1
MPE15	1½		1/2	96	230	220	15	300	0,75
MPD15	1½		1/2	96	230	220	15	325	1
MPE15S	1½	1/4	1/2	120	280	270	20	515	1,2
MPD15S	1½	1/4	1/2	120	280	270	20	550	1,5
MPE20	2	1/4	1/2	120	280	270	25	515	1,2
MPD20	2	1/4	1/2	120	280	270	25	550	1,5



CODE	Connection	Max. flow	Filtering surface (screen)	Filtering surface (disc)
MPE ¾ - MPD ¾	¾" BSP/NPT	5 m³/h	165 cm²	185 cm²
MPE10 - MPD10	1" BSP/NPT	6 m³/h	165 cm²	185 cm²

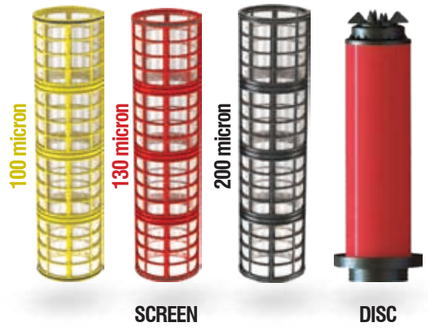
CODE	Connection	Max. flow	Filtering surface (screen)	Filtering surface (disc)
MPE10S - MPD10S	1" BSP/NPT	10 m3/h	300 cm²	325 cm²
MPE15 - MPD15	1½" BSP/NPT	15 m3/h	300 cm²	325 cm²

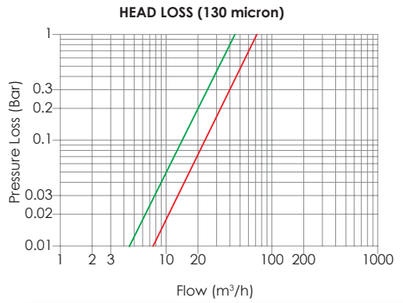
CODE	Connection	Max. flow	Filtering surface (screen)	Filtering surface (disc)
MPE15S - MPD15S	1½" BSP/NPT	20 m³/h	515 cm²	550 cm²
MPE20 - MPD20	2" BSP/NPT	25 m³/h	515 cm²	550 cm²

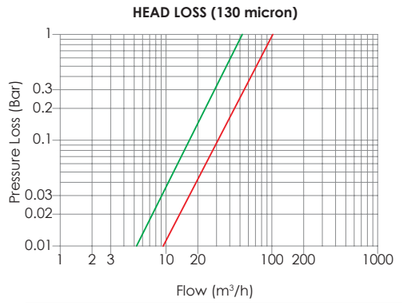
Horizontal Plastic Disc Filters

DISC & SCREEN
PE, PD

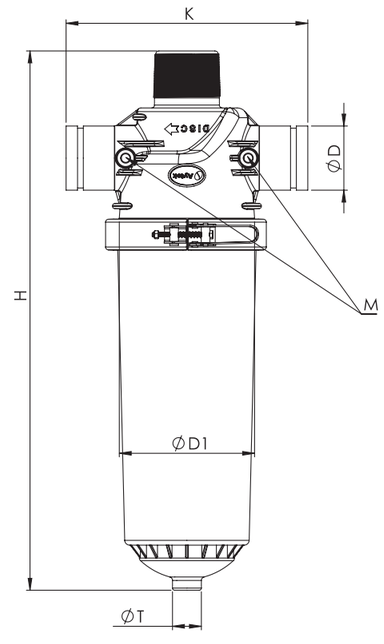
GENERAL CHARACTERISTICS
Body Material: PA6GFR30
Body Material: PA6GFR30
Cartridge Material: PP (Disc) PA (Screen SS 304 Cage PA)
Maximum Working Pressure: 8 Bar (116 PSI)
Maximum Working Temperature: 60°C/ 140 °F
Filtration Degree: 20-50-100-130 Micron
Filter Cartridge: D: Disc Cartridge - E: Screen Cartridge



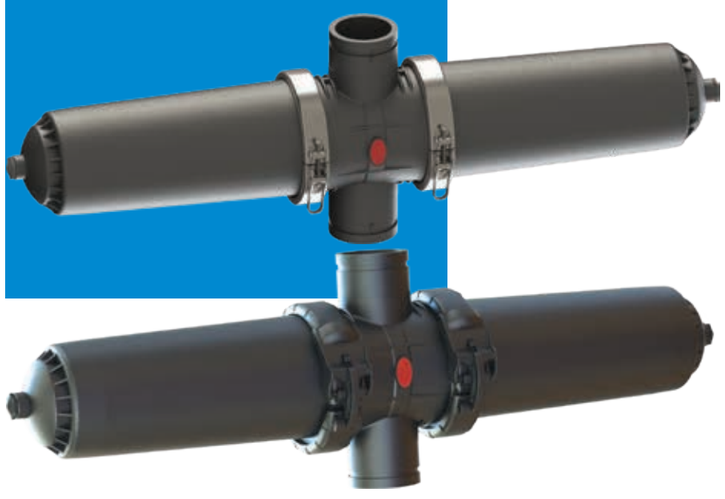


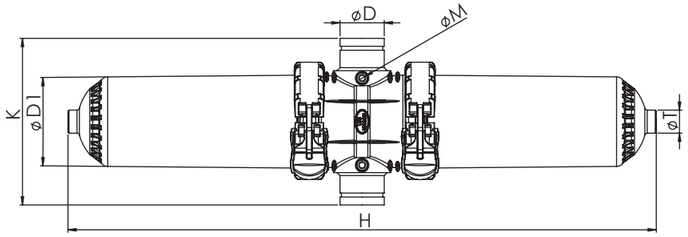


CODE	D	M	T	D1	H	K	Flow Rate		Filtration Area	Weight
	inch			mm			m³/h	Usgpm	cm²	kg
PME2	2	1/4	3/4	190	500	335	20	88	760	5,2
PMD2	2	1/4	3/4	190	500	335	20	88	868	6
PD2	2	1/4	3/4	190	600	335	30	132	1302	7
PSD2	2	1/4	3/4	190	750	335	35	154	1805	8
PD25	2½	1/4	3/4	190	600	335	35	154	1302	7,1
PSD25	2½	1/4	3/4	190	750	335	40	176	1805	8,1
PD3	3	1/4	3/4	190	600	335	45	198	1302	7,2
PSD3	3	1/4	3/4	190	750	335	50	220	1805	8,2
PE2	2	1/4	3/4	190	600	335	30	132	1140	5,4
PSE2	2	1/4	3/4	190	750	335	35	154	1520	6,3
PE25	2½	1/4	3/4	190	600	335	35	154	1140	5,5
PSE25	2½	1/4	3/4	190	750	335	40	176	1520	6,4
PE3	3	1/4	3/4	190	600	335	45	198	1140	5,6
PSE3	3	1/4	3/4	190	750	335	50	220	1520	6,5



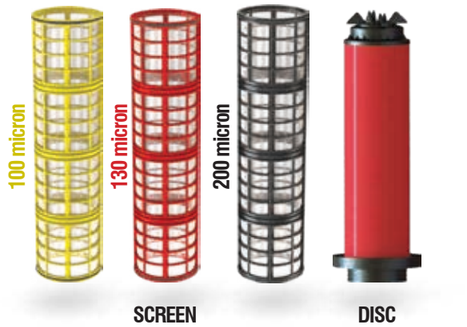
“4 Double Plastic Filters

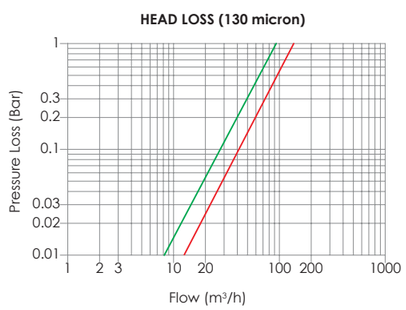




DISC & SCREEN
DD, DE

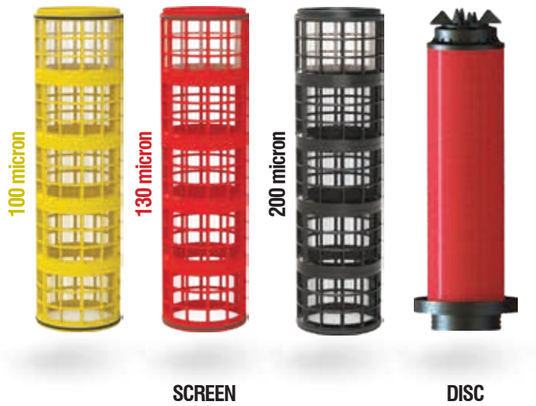
GENERAL CHARACTERISTICS
Body Material: PA6GFR30
Cartridge Material: PP (Disc) PA (Screen SS 304 Cage PA)
Maximum Working Pressure: 8 Bar (116 PSI)
Maximum Working Temperature: 60 °C/ 140 °F
Filtration Degree: 20-50-100-130 Micron
Filter Cartridge: D: Disc Cartridge - E: Screen Cartridge





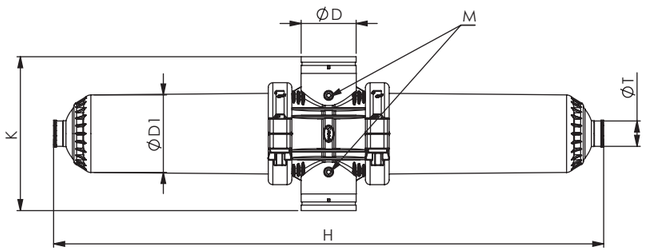
CODE	D	M	T	D1	H	K	Flow Rate		Filration Area	Weight
	inch			mm			m³/h	Usgpm	cm²	kg
DD3	3	1/4	3/4	190	960	340	50	220	2604	11,4
DD4	4	1/4	3/4	190	960	340	70	308	2604	11,6
DDS3	3	1/4	3/4	190	1200	340	60	264	3610	13,6
DDS4	4	1/4	3/4	190	1200	340	80	352	3610	13,8
DE3	3	1/4	3/4	190	960	340	50	220	2280	8,4
DE4	4	1/4	3/4	190	960	340	70	308	2280	8,6
DES3	3	1/4	3/4	190	1200	340	60	264	3040	9,8
DES4	4	1/4	3/4	190	1200	340	80	352	3040	10

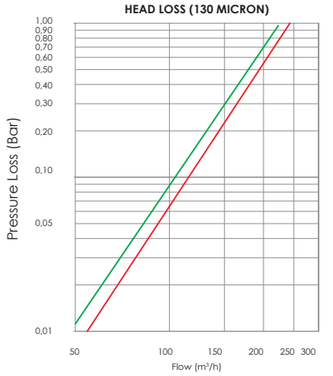
“6 Double Plastic Filters



DISC & SCREEN
DD, DE

GENERAL CHARACTERISTICS
Body Material: PA6GFR30
Cartridge Material: PP (Disc) PA (Screen SS 304 Cage PA)
Maximum Working Pressure: 8 Bar (116 PSI)
Maximum Working Temperature: 60°C/ 140 °F
Filtration Degree: 20-50-100-130 Micron
Filter Cartridge: D: Disc Cartridge - E: Screen Cartridge



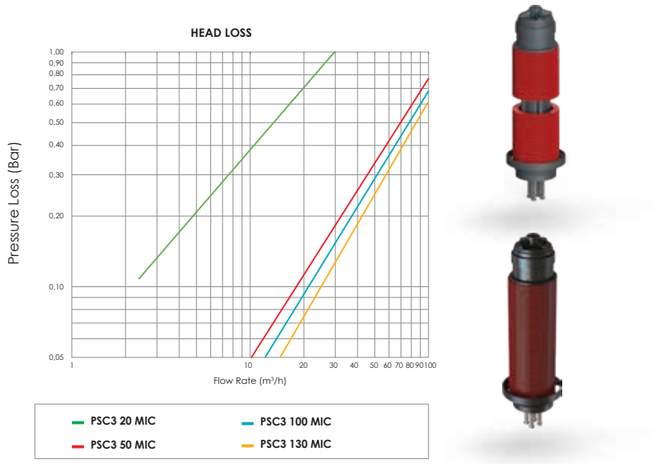


CODE	D	M	T	D1	H	K	Flow Rate		Filration Area	Weight
	inch			mm			m³/h	Usgpm	cm²	kg
DD6	6	1/4	1	242	1655	460	180	792	6212	28
DE6	6	1/4	1	242	1655	460	180	792	5532	21

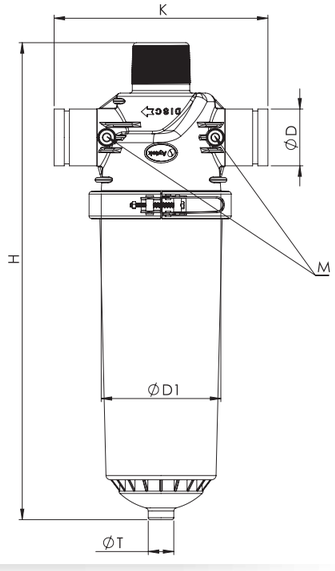
Plastic Automatic Self Cleaning Disc Filters

DISC PSC

GENERAL CHARACTERISTICS
Body Material: PA6GFR30
Cartridge Material: PP (Disc)
Maximum Working Pressure: 8 Bar (116 PSI)
Minimum Working Pressure: 2 Bar (29 PSI)
Maximum Working Temperature: 60 ºC/ 140 ºF
Back Flush Operation Criteria: Time And / Or Pressure Differential
Back Flush Controlling Unit: Electronic (AC/DC) Control
Filtration Degree: 20-50-100-130 Micron
Filter Cartridge: D: Disc Cartridge

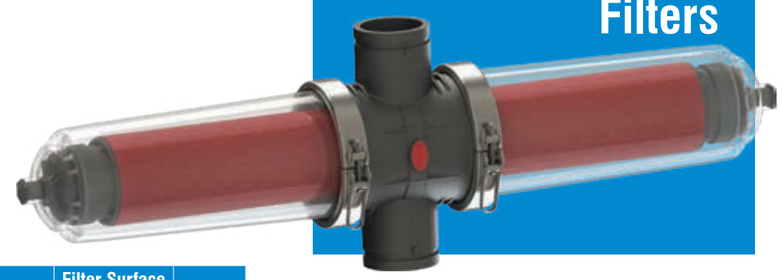


CODE	D	M	T	D1	H	K	Flow Rate		Filter Surface Area	Weight
	inch			mm			m³/h	Usgpm	cm²	kg
PSC2	2	1/4	3/4	190	750	335	20	88	1550	9,6
PSC25	2½	1/4	3/4	190	750	335	25	110	1550	9,7
PSC3	3	1/4	3/4	190	750	335	25	110	1550	9,8



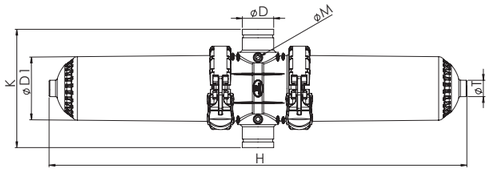
Automatic Backflush Operation for Self-Cleaning Filter Systems;
Back flush operations starts by sensing pre-defined pressure differential and changing water flow direction by a 3 ways valve. The high downstream pressure accumulated by the water which has flow direction changed while its passing from inside to outside of the filter will overcome the suppression force which press discs down and release discs. Water direction is also moves tangential to discs by that discs start a circular movement and particles which sticks on the surface will be removed and discharged.

Double Plastic Automatic Self Cleaning Disc Filters



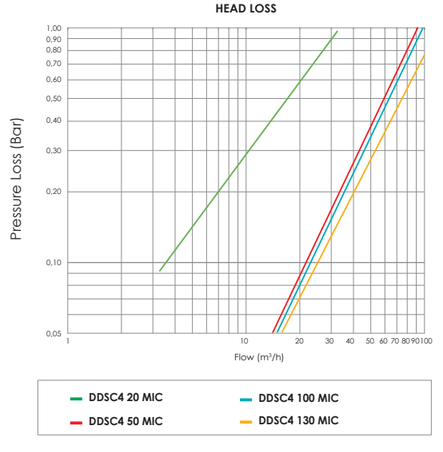
Automatic Backflush Operation for Self-Cleaning Filter Systems;
Back flush operations starts by sensing pre-defined pressure differential and changing water flow direction by a 3 ways valve. The high downstream pressure accumulated by the water which has flow direction changed while its passing from inside to outside of the filter will overcome the suppression force which press discs down and release discs. Water direction is also moves tangential to discs by that discs start a circular movement and particles which sticks on the surface will be removed and discharged.

CODE	D	M	T	D1	H	K	Flow Rate		Filter Surface Area	Weight
	inch			mm			m³/h	Usgpm	cm²	kg
DDSC3	3	1/4	3/4	190	1200	365	50	220	3100	16,5
DDSC4	4	1/4	3/4	190	1200	365	60	264	3100	16,8
DDSC6	6	1/4	1	242	1655	460	160	704	5630	33



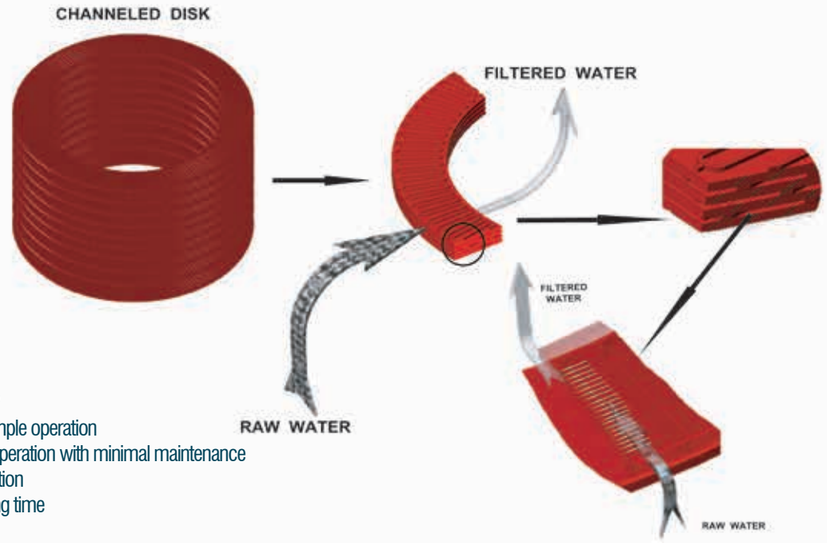
DISC DDSC

GENERAL CHARACTERISTICS
Body Material: PA6GFR30
Cartridge Material: PP (Disc)
Maximum Working Pressure: 8 Bar (116 PSI)
Minimum Working Pressure: 2 Bar (29 PSI)
Maximum Working Temperature: 60 ºC/ 140 ºF
Back Flush Operation Criteria: Time And / Or Pressure Differential
Back Flush Controlling Unit: Electronic (AC/DC) Control
Filtration Degree: 20-50-100-130 Micron
Filter Cartridge: D: Disc Cartridge



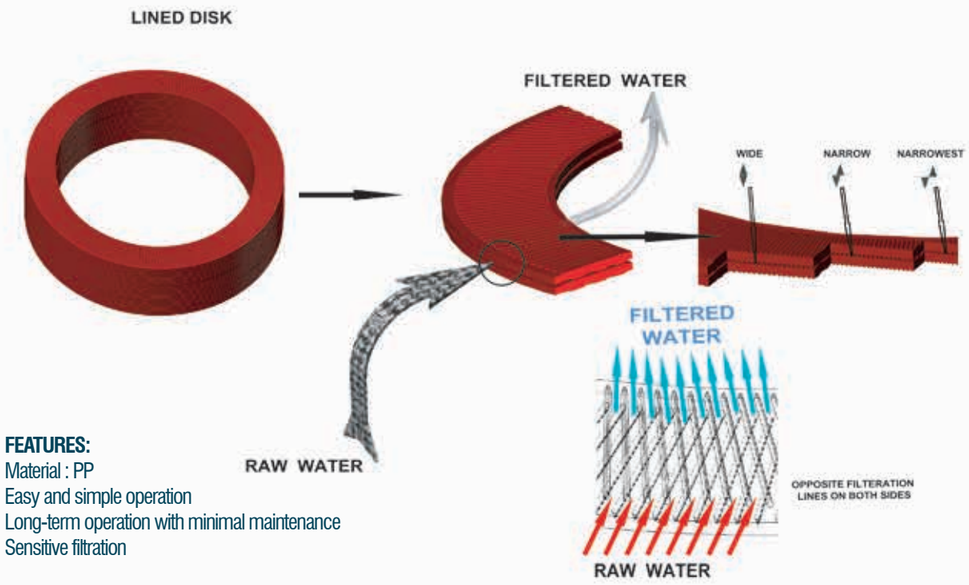
Disc Filtration Technology

CHANNEL TYPE DISC



FEATURES:
Material : PP
Easy and simple operation
Long-term operation with minimal maintenance
Efficient filtration
Long stacking time

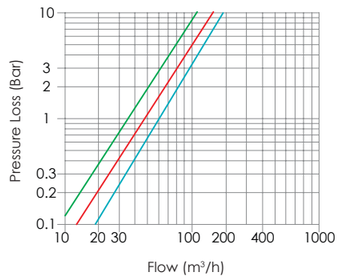
LINE TYPE DISC



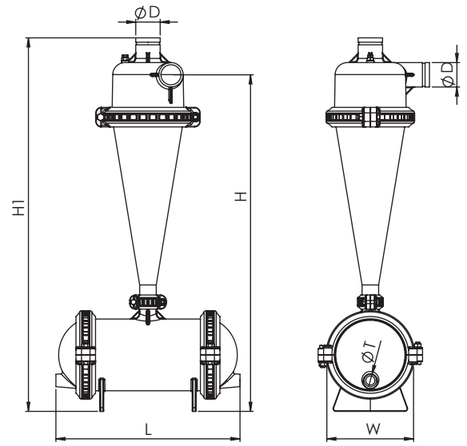
FEATURES:
Material : PP
Easy and simple operation
Long-term operation with minimal maintenance
Sensitive filtration

Plastic Hydrocyclone

HEAD LOSS



CODE	D	T	H	H1	L	W	Flow Rate		Weight
	inch		mm				m³/h	Usgpm	kg
P2020	2	3/4	1023	1154	580	206	20-30	88-132	9,5
P2025	2½	3/4	1035	1154	580	206	30-40	132-176	9,5
P2030	3	2	1225	1360	670	322	40-60	176-264	19

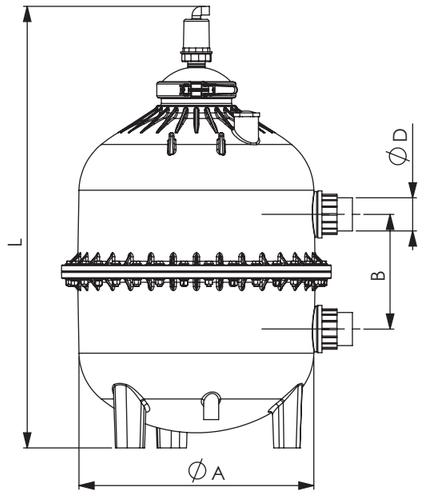


GENERAL CHARACTERISTICS
Body Material: PA6GFR30
Maximum Working Pressure: 6 Bar (88 PSI)
Maximum Working Temperature: 60 °C / 140 °F

Plastic Sand Media Filters

P30

GENERAL CHARACTERISTICS
Body Material: PA6GFR30
Maximum Working Pressure: 6 Bar (88 PSI)
Maximum Working Temperature: 60° C/ 140 °F
Maximum Sand Capacity: 200 Kg



Aytok Sand Media Filtration systems are designed to filter organic materials and particles which may come from water source in micro irrigation systems.

Sand Media Filter systems is applicable for open water sources such as river lake and dam to eliminate organic matters like algas for agricultural usage. Sand Media Filters are also the most common used filters for water treatment and sludge filtration in industrial areas as well.

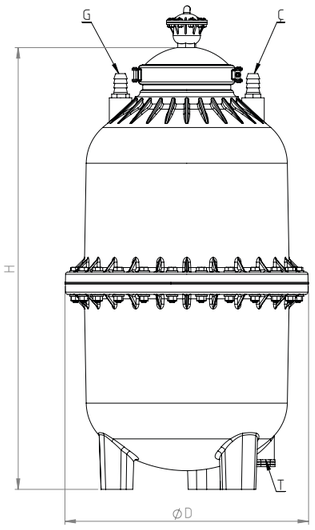
- Easy to use and low maintenance requirement
- Single and array design possibilities
- Easy to handle and non-corrosive structure

CODE	A	B		L		D		Flow Rate		Weight	
	inch	mm	inch	mm	inch	inch	DN	m³/h	Usgpm	kg	lb
P3020	24	300	12	1100	44	2	50	20	88	43	94,8
P3025	24	300	12	1100	44	2½	65	25	110	43,2	95,2
P3030	24	300	12	1100	44	3	80	30	132	43,5	95,9

Plastic Fertilizer Tanks

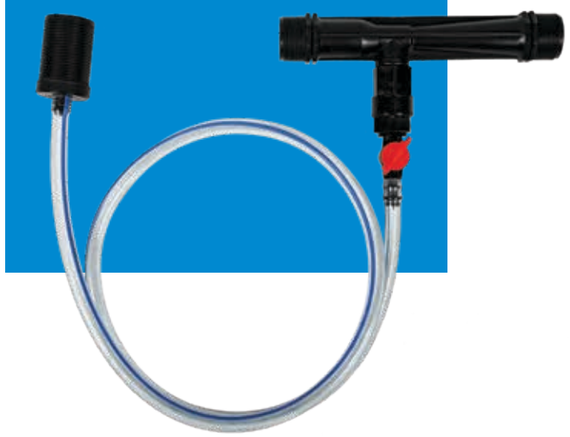
P1100,P1200

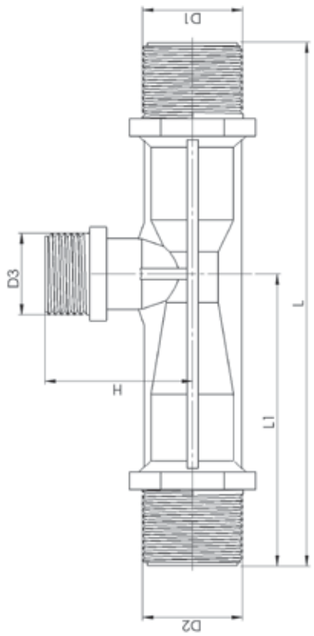
GENERAL CHARACTERISTICS
Body Material: PA6GFR30
Maximum Working Pressure: 6 Bar (88 PSI)
Maximum Working Temperature: 60 °C/ 140 °F



CODE	D	G	Ç	T	H		CAPACITY		WEIGHT	
	inch	inch	inch	inch	mm	inch	lt	Us Gal	kg	lb
P1100	21	1	1	3/4	965	38,6	100	26	24	52,9
P1200	28	1	1	3/4	1050	42	200	52	36	79,4

Plastic Venturies





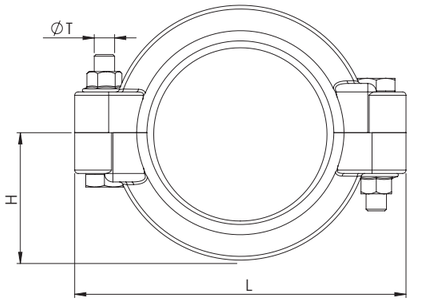
INJECTOR PERFORMANCE TABLE

P in (Bar)	P out (Bar)	3/4"		1"		1 1/2"		2 "	
		Aspiration Flow (l/h)							
0.5	0	9	400	41	480	54	655	146	1000
0.75	0	11	440	47	500	70	900	174	1075
1	0	13	420	50	514	81	1029	204	1200
	0.25	13	420	50	514	73	1029	202	1200
	0.5	13	360	47	480	73	800	200	1040
1.5	0	15	400	57	514	94	1029	238	1200
	0.5	15	400	57	514	94	1029	236	1075
	0.75	15	300	53	480	90	900	242	1075
	1	15	103	53	340	85	655	213	889
2	0	18	380	64	514	105	1029	268	1200
	0.5	18	380	64	514	105	1029	268	1200
	0.75	18	380	64	514	105	1029	268	1200
	1	18	200	64	514	105	1029	268	1040
	1.25	18	100	61	400	105	800	255	1000
	1.5			60	120		232	238	
2.5	0	20	360	70	500	116	1029	285	1200
	0.5	20	360	70	500	116	1029	285	1200
	0.75	20	360	70	500	116	1029	285	1200
	1	20	360	70	500	116	1029	285	1200
	1.25	20	360	69	480	116	1029	281	1200
	1.5	20	200	69	480	112	900	281	1040
	1.75			66	343	109	800	272	527
	2			65	120				
3	0	21	330	75	500	126	1029	319	1200
	1	21	330	75	500	126	1029	315	1200
	1.25	21	330	75	450	126	1029	315	1200
	1.5	21	330	75	450	126	1029	315	1125
	1.75	21	330	75	450	125	800	306	1125
	2	21	200	75	400	119	655	302	1000
	2.25			73	200	117	277	293	889
	2.5								527
3.5	0	22	300	81	480	135	1029	344	1200
	1	22	300	81	480	135	1029	344	1200
	1.5	22	300	81	480	135	1029	344	1200
	1.75	22	300	81	480	135	1029	344	1200
	2	22	300	81	480	135	1029	340	1200
	2.25	22	240	79	400	130	800	332	1125
	2.5	22	100	79	340	128	655	319	889
	2.75			78	200	125			
4	0	24	280	85	480	143	1029	366	1200
	1	24	280	85	480	143	1029	366	1200
	2	24	280	85	480	143	1029	357	1200
	2.25	24	280	85	480	141	1029	357	1200
	2.5	24	240	85	480	140	1029	357	1200
	2.75	24	180	85	400	138	655	349	1125
	3	24	100	83	300	135	277	340	527
	3.25			81	120				

CODE	D1	D2	D3	L	L1	H	WEIGHT
	inch			mm			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	1½	1½	3/4	280	167	50	0,49
4022-4	2	2	1	301	180	60	0,67

Plastic Clamps

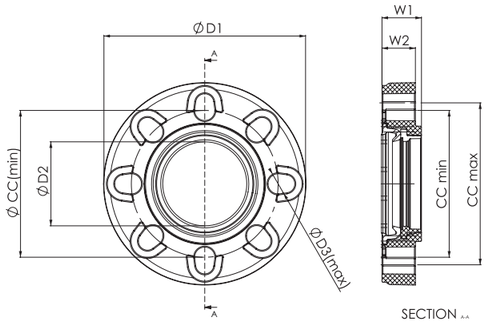
V20



CODE	D	H	T	L	MAX. PRESSURE	WEIGHT
	inch	inch	inch	inch	Bar	kg
V2020	2	45	10	133	10	0,37
V2025	2½	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

CODE	D1	D2	D3 min	D3 max	CC min	CC max	W1	W2
	mm	Inch	mm	mm	mm	mm	mm	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



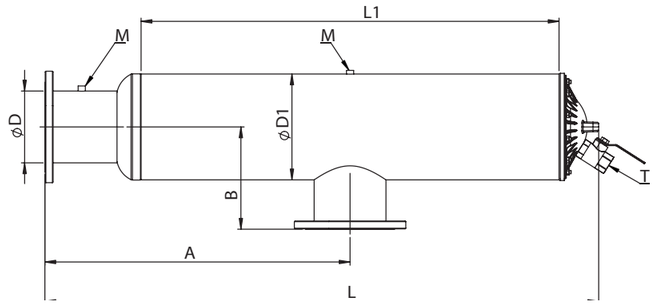
PRODUCT IN LINE

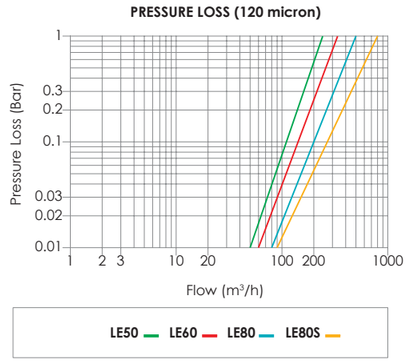
METAL FILTERS

Aytok
Water Filter Systems

- ANGULAR METAL FILTERS (SCREEN & DISC) FILTERS LE, LD
- HORIZONTAL METAL FILTERS (SCREEN & DISC) FILTERS YE, YD
- METAL HYDROCYCLONE
- METAL SAND MEDIA (GRAVEL) FILTERS
- METAL FERTILIZER TANKS

Angular Metal Filters



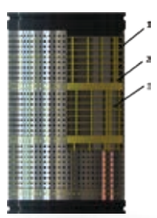


CODE	D	D1	M	T	A	B	L	L1	Main Flow Rate		Filtration Area	Weight
	inch				mm				m³/h	Usgpm	cm²	kg
LE50	5	10	¼	1	610	287	1055	640	140	616	3951	46
LE60	6	10	¼	1	710	287	1255	840	180	792	5268	58
LE60S	6	12	¼	1	810	287	1455	1040	220	968	6585	68
LE80	8	12	¼	1	810	287	1455	1040	280	1232	6585	70
LE80S	8	12	¼	1	930	312	1690	1275	340	1496	7902	88

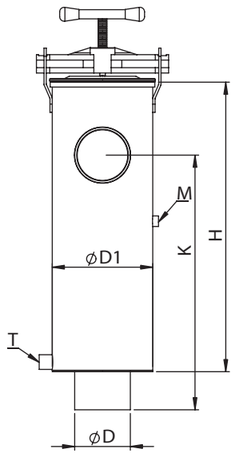
SCREEN
LE

GENERAL CHARACTERISTICS

Body Material : S195T
Cartridge Material: PP (Disc) PA (Screen SS 304 Cage PA)
Maximum Working Pressure : 10 Bar (116 PSI)
Maximum Working Temperature: 60 °C / 140 °F
Filtration Degree: 20-50-100-130 Micron
Filter Cartridge: E: Screen Cartridge
Painting Method: Electrostatic Powder Coating
Paint Material: Epoxy Polyester



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



Angular Metal Filters

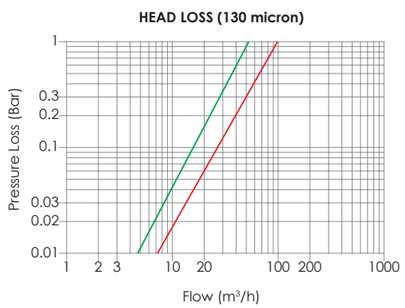
DISC
LD

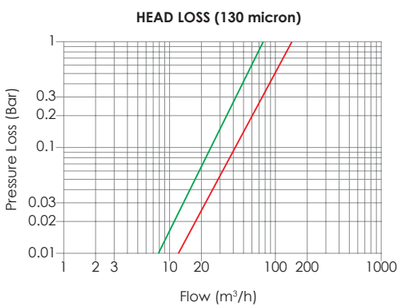
CODE	D	D1	M	T	K	H	FLOW RATE		WEIGHT
	inch				mm		m³/h	Usgpm	kg
LDS20	2	6	¼	½	320	400	30	132	15
LDS25	2½	8	¼	¾	320	400	35	154	19
LDS30	3	8	¼	¾	455	515	50	220	22
LD40	4	8	¼	¾	555	625	70	308	27

GENERAL CHARACTERISTICS

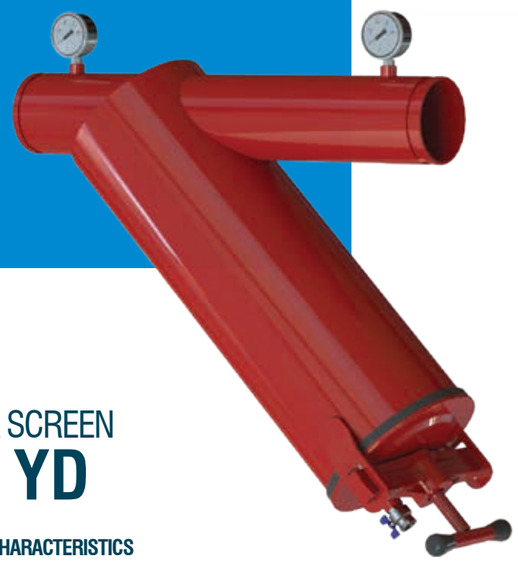
Body Material: S195T
Cartridge Material: PP (Disc)
Maximum Working Pressure: 8 Bar (116 PSI)
Maximum Working Temperature: 60 °C/ 140 °F
Filtration Degree: 20-50-100-130 Micron
Filter Cartridge: D: Disc Cartridge
Painting Method: Electrostatic Powder Coating
Paint Material: Epoxy Polyester

DISC



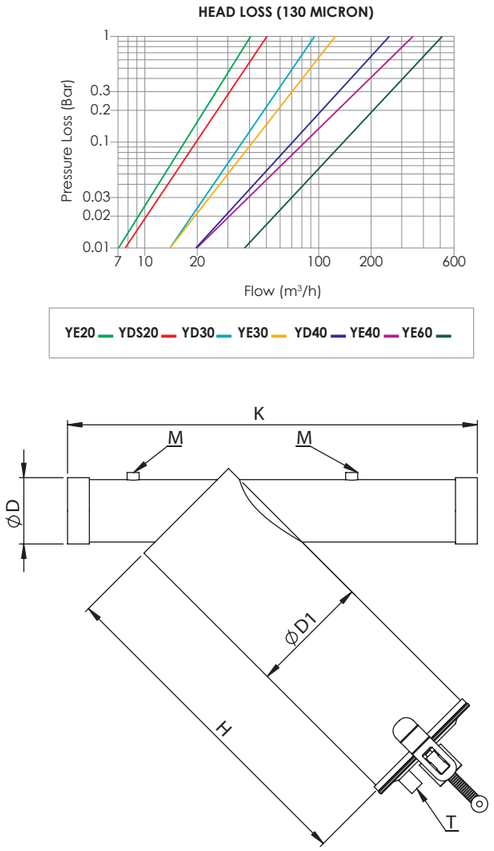


Horizontal Metal Filters

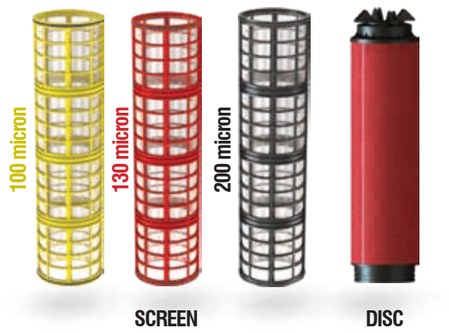


DISC & SCREEN
YE, YD

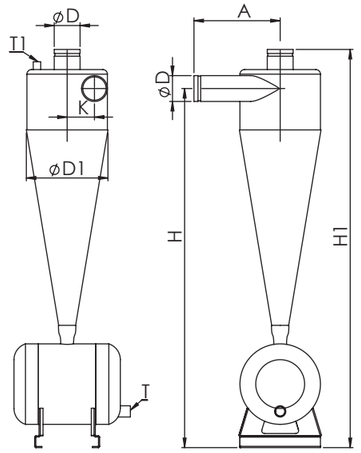
GENERAL CHARACTERISTICS
Body Material: S195T
Cartridge Material: PP (Disc) PA (Screen SS 304 Cage PA)
Maximum Working Pressure: 8 Bar (116 PSI)
Maximum Working Temperature: 60 °C / 140 °F
Filtration Degree: 20-50-100-130 Micron
Filter Cartridge: D: Disc Cartridge E: Screen Cartridge
Painting Method: Electrostatic Powder Coating
Paint Material: Epoxy Polyester



CODE	D	D1	M	T	K	H	FLOW RATE		WEIGHT
	inch				mm		m³/h	Usgpm	kg
YE20	2	6	¼	½	515	240	30	132	12
YE25	2½	6	¼	½	570	360	35	154	14,6
YE30	3	6	¼	½	570	480	45	198	18
YE40	4	8	¼	½	670	605	75	330	28
YE50	5	10	¼	1	900	700	140	616	51
YE60	6	10	¼	1	1100	1000	180	792	88
YE80	8	12	¼	1	1200	1200	280	1232	115
YDS20	2	6	¼	½	520	400	30	132	16
YD25	2½	8	¼	¾	590	400	35	154	20
YD30	3	8	¼	¾	590	515	45	198	24
YD40	4	8	¼	¾	670	625	70	308	29



Metal Hydrocyclone



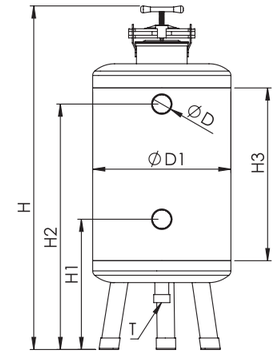
GENERAL CHARACTERISTICS
Body Material: S235JR
Maximum Working Pressure: 8 Bar (116 PSI)
Maximum Working Temperature: 60 °C / 140 °F
Painting Method: Electrostatic Powder Coating
Paint Material: Epoxy Polyester

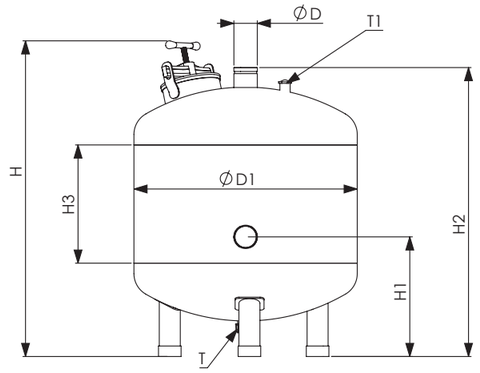
CODE	D	D1	T	T1	K		A		H		H1		FLOW		MAX. PRESSURE		WEIGHT	
	inch				mm	inch	mm	inch	mm	inch	mm	inch	m³/h	Us gpm	Bar	PSI	kg	lb
2020	2	11	¾	½	110	4,3	250	9,8	1185	46,7	1305	51,4	20	88	8	116	25	55,1
2025	2½	11	1	½	102	4	300	11,8	1255	49,4	1385	54,5	30	132	8	116	27	59,5
2030	3	11	1	½	95	3,7	300	11,8	1250	49,2	1385	54,5	40	176	8	116	28	61,7
2040	4	11	1	½	82,5	3,2	300	11,8	1235	48,6	1385	54,5	60	264	8	116	30	66,1
2040S	4	13	2	¾	102,5	4	350	13,8	1280	50,4	1430	56,3	80	352	8	116	35	77,2
2050	5	15	2	1	120	4,7	400	15,7	1520	59,8	1745	68,7	120-140	528-616	8	116	65	143,3
2060	6	18	2	1	142,5	5,6	450	17,7	1750	68,9	2035	80,1	160-200	704-880	8	116	92	202,8

Metal Sand Media (Gravel) Filters

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

CODE	D	D1	T	T1	H		H1		H2		H3		FLOW		MAX. PRESSURE		SAND CAPACITY		WEIGHT	
	inch	inch	inch	inch	mm	inch	mm	inch	mm	inch	mm	inch	m³/h	Us gpm	Bar	PSI	kg	lb	kg	lb
3020	2	18	3/4	-	1250	49,2	400	15,7	900	35,4	700	27,6	15	66	8	116	150	330,7	52	114,6
3025	2½	24	2	-	1450	57,1	560	22	1060	41,7	750	29,5	20	88	8	116	300	661,4	77	169,8
3030	3	24	2	-	1450	57,1	560	22	1060	41,7	750	29,5	24	105,6	8	116	300	661,4	82	180,8
3040	4	24	2	-	1700	66,9	560	22	1260	49,6	1000	39,4	28	123,2	8	116	350	771,6	94	207,2
3050	3	32	2	1	1195	47	420	16,5	1100	43,3	540	21,3	45	198	8	116	350	661,4	115	253,5
3060	3	36	2	1	1195	47	420	16,5	1100	43,3	500	19,7	50	220	8	116	350	661,4	132	291
3070	4	36	2	1	1195	47	420	16,5	1100	43,3	500	19,7	55	242	8	116	350	661,4	140	308,6
3080	4	48	2	1	1185	46,7	520	20,5	1100	43,3	300	11,8	80	352	8	116	400	881,8	250	551,2

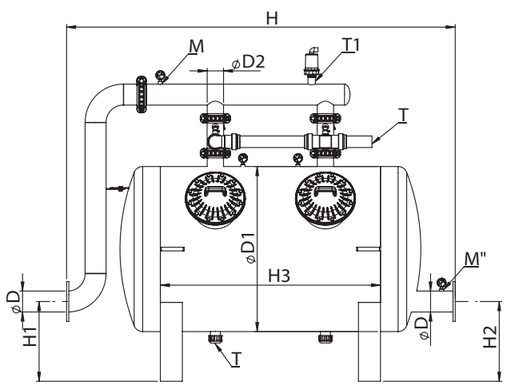


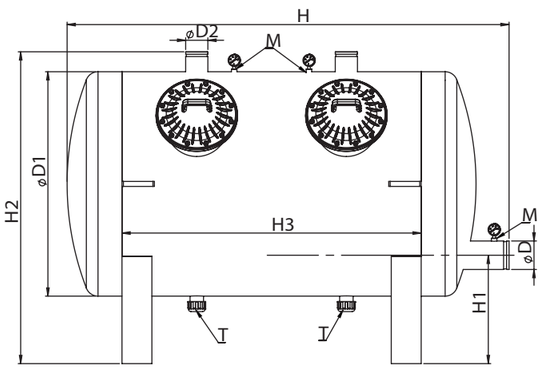


SAND MEDIA Filters

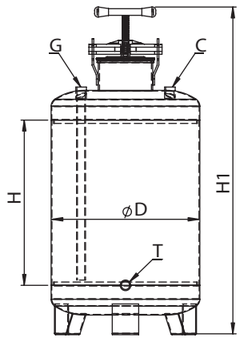
3090 GRAVEL TANK

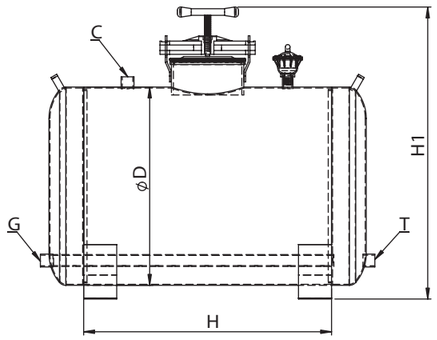
CODE	D	D1	D2	M	T	T1	H		H1		H2		H3		FLOW		MAX. PRESSURE		SAND CAPACITY		WEIGHT	
	inch	inch	inch	inch	inch	inch	mm	inch	mm	inch	mm	inch	mm	inch	m³/h	Us gpm	Bar	PSI	kg	lb	kg	lb
3090	4	36	3	1/4	2	-	1800	70,9	410	16,1	1250	49,2	1200	48	70-90	308-396	8	116	800	1763,7	285	628,3
3090B	4	36	3	1/4	2	1	2120	83,5	410	16,1	410	16,1	1200	48	70-90	308-396	8	116	800	1763,7	320	705,5
3090S	4	36	3	1/4	2	1	2780	109,4	410	16,1	410	16,1	1200	48	70-90	308-396	8	116	800	1763,7	340	749,6
3090SM	4	36	3	1/4	2	1	3000	118,1	410	16,1	410	16,1	1200	48	70-90	308-396	8	116	800	1763,7	360	793,7





Metal Fertilizer Tanks



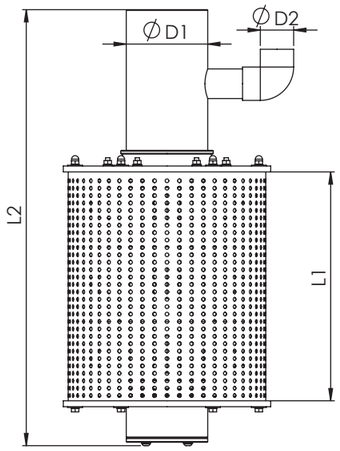


GENERAL CHARACTERISTICS
Body Material : S235JR
Maximum Working Pressure : 8 Bar (116 PSI)
Maximum Working Temperature: 60 °C / 140 °F
Painting Method: Electrostatic Powder Coating
Paint Material: Epoxy Polyester

CODE	D	G	C	T	H	H1	CAPACITY	WEIGHT
	inch				mm		lt	kg
1060V	15	½	½	½	330	790	60	20
1100V	18	¾	¾	¾	500	960	100	30
1200V	24	1	1	1	600	1060	200	56
1100H	18	¾	¾	¾	500	740	100	33
1200H	24	1	1	1	600	860	200	59
1300H	24	1	1	1	750	860	300	66
1350H	24	1	1	1	1000	860	350	82
1500H	24	1	1	1	1500	860	500	108

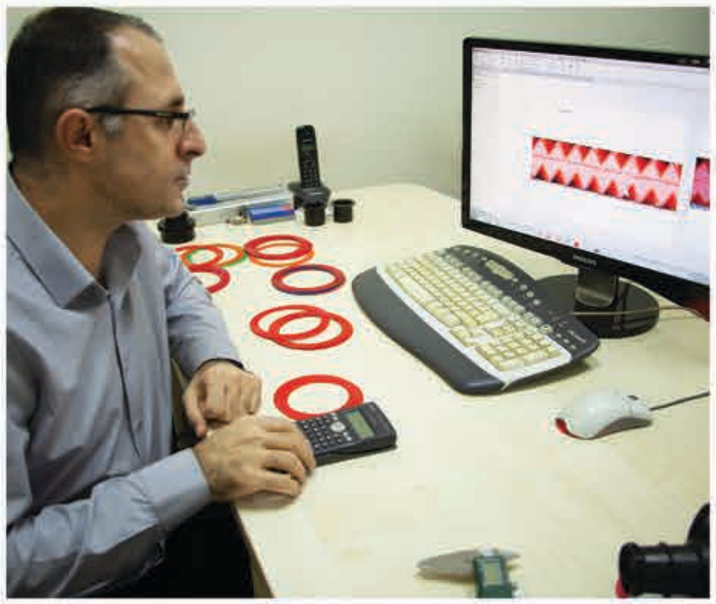
Self Cleaning Strainers (Double Suction Filters)

GENERAL CHARACTERISTICS
Minimum Required Back Flush Pressure: 3 Bar (44 PSI)
Screen Filtration Degree: 2,4 mm
Screen Material: SS304L
Accessories For 6'' Outlet: 8'' To 6'' Reducer
Connections Fittings: Provided



CODE	D1	D2	D3	L1	L2	Q1		Q2		M
	Outlet (inch)	Drain (inch)	Cylinder (inch)	Length (inch)	Overall Length (inch)	Main Flow Rate (m3/h)	Main Flow Rate (GPM)	Drain Flow Rate (L/S)	Drain Flow Rate (GPM)	Mass (kg)
DSF4	4	1	10,5	12	23,2	91	400	0,8	14	6,3
DSF8	8	2	20	22	42,9	330	1450	3,6	56	22,8

Aytok
Water Filter Systems



The reason of Aytok's development and moving forward in the technological competition is the strategic importance given to the R&D and Quality.

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Quality is not a coincidence...

PRODUCTI

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Basım Tarihi: 28/12/2019