

Applications

The F600 Series Gravel Filters have been designed to provide high quality filtration solutions for water with a high contamination of organic material and algae.

The high quality filtration and easy/efficient backwash mechanism ensure the user of a consistent, credible water supply for the long term.

Components

The filter body is made of electrostatic-coated carbon steel with baked-on epoxy.

The gravel media for the filters should be in a layer of precisely 40 cm depth.

These Filters are manufactured with a full range of filter sizes allowing for flexible design of filtration systems.

Operating principle

Water enters the filter via the inlet and spreads equally on the media.

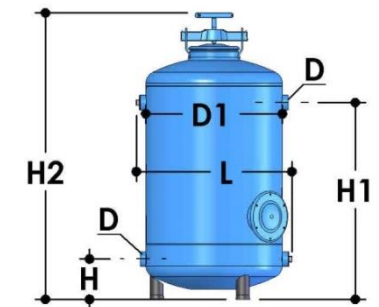
Dirt particles and organic materials are trapped on the media surface. The water that passes through, and flows out via the filter elements will be free from all dirt.

The cleaning backwash process is done by shutting the inlet of the filter with the 3-way backwash valve.

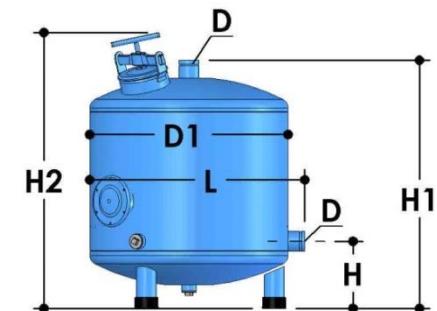


Model Specifications

Model	In/Out ØD (in)	ØD1 (in)	Recom. Flow rate (m³/h) (gpm)		Min. Backwash Flow rate (m³/h) (gpm)		Filtration area (m²) (ft²)		H (mm) (in)		H1 (mm) (in)		H2 (mm) (in)		L (mm) (in)		Weight of unit (kg) (lb)		No. of gravel bags of 25 kg (55 lb)
F605	1	12	3.5-5	15-22	6	26	0.07	0.75	150	5.91	785	30.91	1160	45.65	445	17.52	45	99	2
F610	1 ½	16	5.3-9	23-39	10	44	0.12	1.29	180	7.09	870	34.25	1175	46.23	457	17.99	48	106	3
F620	2	20	8-13.5	35-59	17	75	0.20	2.15	180	7.09	880	34.65	1280	50.4	548	21.57	60	132	5
F630	3	20	8-13.5	35-59	17	75	0.20	2.15	180	7.09	880	34.65	1280	50.4	617	24.29	60	132	5
F635	2	24	13.5-20	59-88	25	110	0.29	3.12	180	7.09	880	34.65	1285	50.6	696	27.4	85	187	7
F636	3	24	13.5-20	59-88	25	110	0.29	3.12	180	7.09	880	34.65	1285	50.6	750	29.53	85	187	7
F640	3	30	20-30	88-132	38	167	0.44	4.73	300	11.81	1070	42.13	1197	47.12	864	34.02	130	287	12
F650	3	36	32-44	140-193	55	242	0.64	6.89	300	11.81	1110	43.7	1242	48.9	1010	39.76	170	375	16
F660	4	48	55-79	242-348	96	423	1.13	12.16	330	11.81	1110	43.7	1189	46.81	1338	52.69	246	542	23
F680	4	60	80-150	352-660	155	683	1.17	19.01	440	17.32	1420	55.9	1515	59.6	1585	62.4	515	1135	40



Model F605-F635



Model F640-F680

Components Description & Spare Parts ordering information

Description		Model									
		F605	F610	F620	F630	F635	F636	F640	F650	F660	F680
Filter		12"*1"	16"*1.5"	20"*2"	20"*3"	24"*2"	24"*3"	30"*3"	36"*3"	48"*4"	60"*4"
Body Filter		12"*1"	16"*1.5"	20"*2"	20"*3"	24"*2"	24"*3"	30"*3"	36"*3"	48"*4"	60"*4"
1	Filter body	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	Handle	E6020106000	E6020106000	E6020106000	E6020106000	E6020106000	E6020106000	E6020106000	E6020106000	E6020106000	E6020106000
3	Tightening bracket	6012006000-P	6012108000-P	6012108000-P	6012108000-P	6012108000-P	6012108000-P	6012108000-P	6012108000-P	6012108000-P	6012108000-P
4	Cover	5320200601-P	5320010800-P	5320010800-P	5320010800-P	5320010800-P	5320010800-P	5320010800-P	5320010800-P	5320010800-P	5320010800-P
5	Cover gasket	5311150600-040	5311200600-120	5311200600-120	5311200600-120	5311200600-120	5311200600-120	5311200600-120	5311200600-120	5311200600-120	5311200600-120
6	"Mushroom" diffuser	4000016500	4000016500	4000016500	4000016500	4000016500	4000016500	4000016500	4000016500	4000016500	4000016500
7	Rubber bushing	5312000600-280	5312000600-280	5312000600-280	5312000600-280	5312000600-280	5312000600-280	5312000600-280	5312000600-280	5312000600-280	5312000600-280
8	Male plug	4180100300	4180150300	4180200300	4180200300	4180200300	4180200300	4180200300	4180200300	4180200300	4180200300
9	Rubber leg	5312007600-069	5312007600-069	5312007600-068	5312007600-068	5312007600-069	5312007600-069	E5312030600-067	E5312030600-067	E5312030600-067	-----
10	PVC nipple	4240106000-120	4240156000-150	4240206000-200	-	4240206000-250	-	-----	-----	-----	-----
11	Elbow	4170106501	4170156501	4170206501	6226002000	4170206501	6226003000	-----	-----	-----	-----
12	Service cover 6"	-----	5320010600-P	5320010600-P	5320010600-P	5320010600-P	5320010600-P	5320010600-P	5320010600-P	5320010600-P	-----
13	Service cover 6" gasket	-----	5311150600-045	5311150600-045	5311150600-045	5311150600-045	5311150600-045	5311150600-045	5311150600-045	5311150600-045	-----
14	Bolt	-----	4102110401-030	4102110401-030	4102110401-030	4102110401-030	4102110401-030	4102110401-030	4102110401-030	4102110401-030	-----
15	Washer	-----	4122110401	4122110401	4122110401	4122110401	4122110401	4122110401	4122110401	4122110401	-----
16	Nut	-----	4112110401	4112110401	4112110401	4112110401	4112110401	4112110401	4112110401	4112110401	-----
17	Quick connector cover	5320010402-P	-----	-----	-----	-----	-----	-----	-----	-----	5320010402-P
18	Quick connector	4150104000-03P	-----	-----	-----	-----	-----	-----	-----	-----	4150104000-03P
19	Quick connector gasket	4084040200	-----	-----	-----	-----	-----	-----	-----	-----	4084040200

Warnings! Important safety instructions: * Maximum pressure is 8 bar. * Do not open the filter cover without first performing the following actions:

1. Close both the inlet and outlet valves.
2. Open the filter drain and be certain that the filter is fully drained and the pressure is 0.
3. The filter cover can now be carefully opened.

Pressure loss at 120 micron

