

SERIES F600

GRAVEL FILTRATION SYSTEM



APPLICATIONS

Provide high quality filtration solutions for water with a high contamination of organic material and algae.

STANDARD CHARACTERISTICS

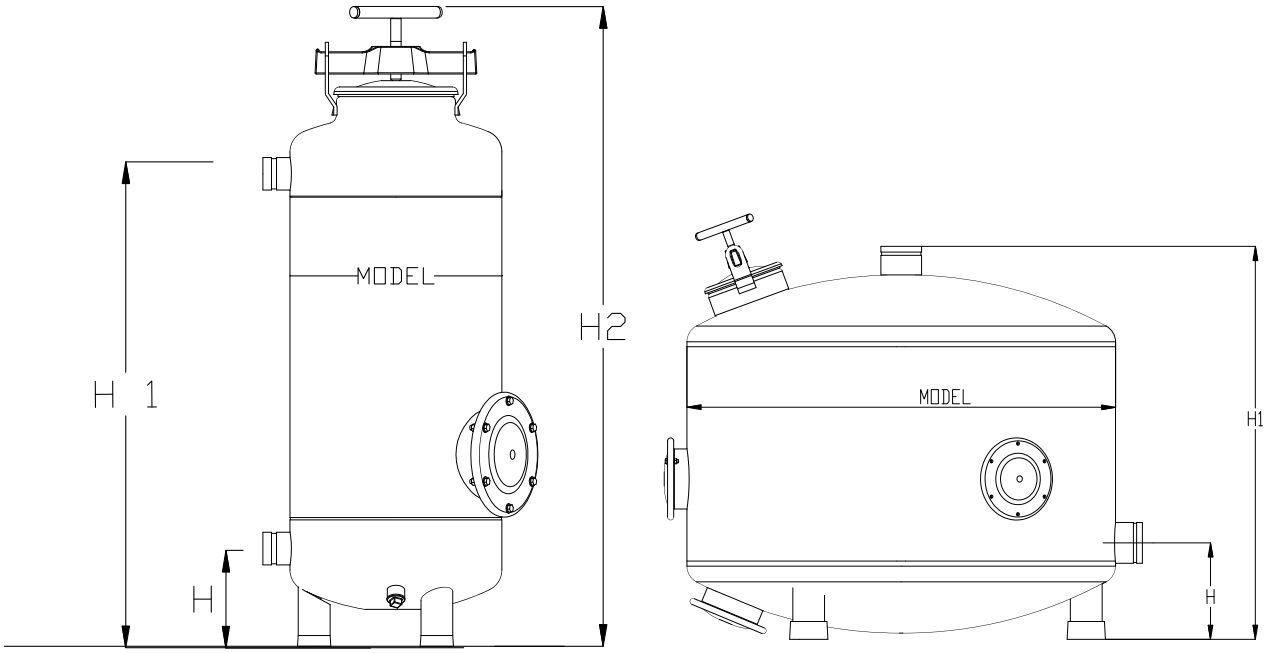
- Filter housing material of construction: Carbon Steel ST37.2
- Pre-treatment: sand blasting up to Sa 2.5 grade
- Two layered coating process consisting of a one primary coating Rich Zinc (60 - 70µm thickness) and a final protective coating of Phenolic Epoxy (70 - 80µm thickness)
- Connections: VIC, Threaded socket and Flange
- Maximum recommended working pressure: 10 bars (145 psi)
- Equipped with "mushroom" diffusers with vertical openings
- Diffusion protection for screws, nuts and washers

OPERATION

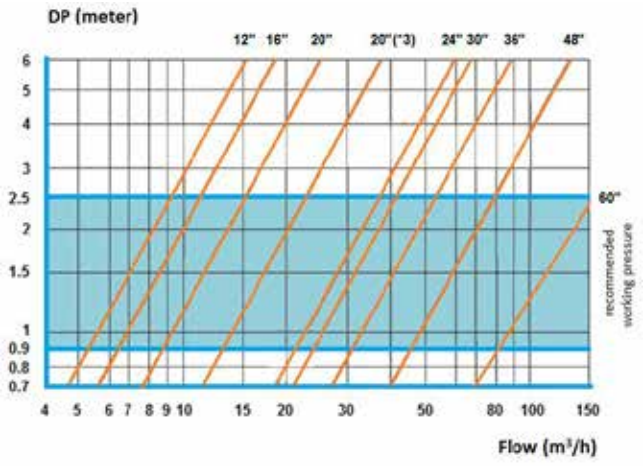
Water enters the filter via the inlet and spreads evenly onto the media. Solids and organic materials are trapped within the media. The clean water passes through the media and flows out via the nozzles. The back flushing process is done by shutting the inlet of the filter and allowing the water to enter from the bottom, lifting the media and releasing the solids that exit the filter through the back flush manifold. This process can be controlled automatically.

MODEL	IN/OUTLET DIAMETER	BODY DIAMETER		RECOMMENDED FLOW RATE	RECOMMENDED BACKWASH FLOW RATE	FILTRATION AREA	H	H1	WEIGHT
	INCH	MM	INCH	M^3/HR	M^3/HR	M^2	MM	MM	KG
12" Side	2	323	12	3.5 - 5	6	0.07	150	785	1,160
16" Side	2	390	16	5.3 - 9	10	0.12	180	870	1,175
20" Side	2	480	20	8 - 14	17	0.20	180	880	1,280
20" Top	2	480	20	8 - 14	17	0.20	180	880	1,280
24"	2	610	24	13.5 - 20	25	0.29	180	1,160	1,285
30"	3	762	30	20 - 30	38	0.44	300	1,070	1,197
36"	3	900	36	32 - 44	55	0.64	300	1,110	1,242
48" Std	4	1,200	48	55 - 79	96	1.13	345	1,180	1,189
48" NTA	4	1,200	48	55 - 79	96	1.13	270	1,100	1,189




MODEL
H2
H 1
H
MODEL
H1
H

HEAD LOSS


DP (meter)
12" 16" 20" 20"(*3) 24" 30" 36" 48"
6
5
4
3
2.5
2
1.5
1
0.9
0.8
0.7
60"
recommended working pressure
4 5 6 7 8 9 10 15 20 30 50 80 100 150
Flow (m³/h)