

F600 Epoxy Coated Vertical Media Tanks

Applications

- Vertical Epoxy coated carbon steel tanks designed for use in large commercial irrigation systems where a high level of quality filtration is required
- Used for tape and drip systems and in dirty water situations with micro irrigation systems
- Used to collect chemicals that have been precipitated out of solution

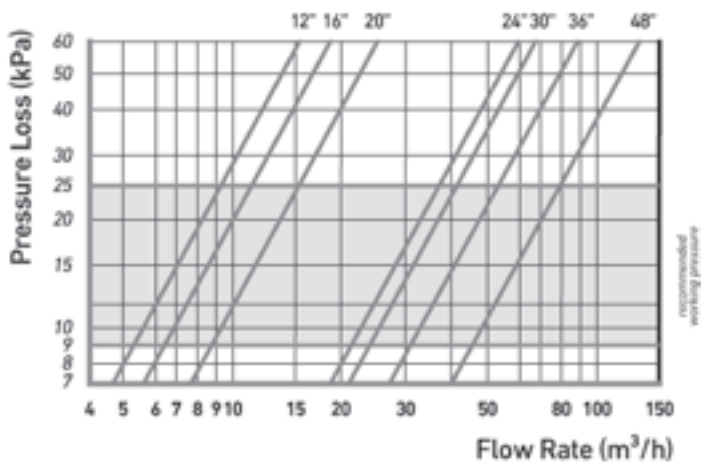
Features

- Filter housing material of construction: Carbon Steel ST37.2
- Pre-treatment: sand blasting up to Sa 2.5 grade
- Exterior & Interior coating: electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- Suitable for use with sand, gravel or a combination of both media
- Filtration systems are supplied complete with flushing valves, inlet/outlet manifolds, backup screen filter
- Maximum Pressure: 800 kPa
- Tanks available in 300, 400, 500, 635, 760, 900 and 1220 mm diameter
- Stations supplied as in-line with 2 to 6 tanks (depending on tank size)



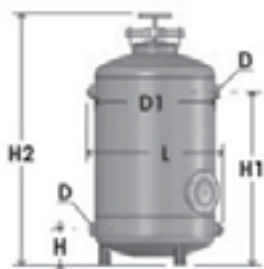
F605

F600 Series Head Loss Graph (per tank) at 120 micron

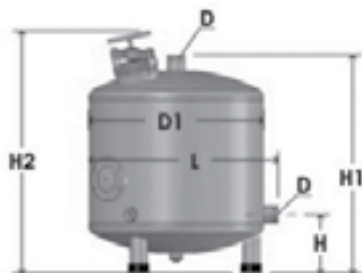


F640

F600 Epoxy Coated Vertical Media Tanks cont.



Model F605-F635



Model F640-F660

F600 Tank Technical Data

Model	D (mm)	D1 (mm/inch)	H (mm)	H1 (mm)	H2 (mm)	L (mm)	No. of 25 kg sand bags	Weight of tank only (kg)
F605	25 BSPF	300/12	150	785	1160	445	2	45
F610	40 BSPF	400/16	180	870	1175	457	3	48
F620	50 BSPF	500/20	180	880	1280	548	5	60
F635	50 FBSP	600/24	180	880	1285	696	7	85
F640	80 Vict	760/30	300	1070	1197	864	12	130
F650	80 Vict	900/36	300	1110	1242	1010	16	170
F660	100 Vict	1200/48	300	1110	1189	1338	23	246

Flow Rate Data

Model	Filtration Area (m ²)	Backwash Flow (based on 80m/h or 22 L/s/m ²)		Flow Range per Tank (based on 45-65m/h or 12.5-18 L/s/m ²)	
		L/s	m ³ /h	L/s	m ³ /h
F605	0.07	1.6	5.6	0.9-1.3	3-5
F610	0.12	2.7	9.6	1.4-2.2	5-8
F620	0.20	4.4	16	2.5-3.6	9-13
F635	0.29	6.4	23.2	3.6-5.2	13-19
F640	0.44	9.8	35	5.5-7.9	20-29
F650	0.64	14.2	51.2	8.0-11.6	29-42
F660	1.13	25.1	90	14.1-20.4	51-73

Flow range figures are given to show the normal anticipated flow range for each tank. The number of tanks required for any particular flow rate will depend on the particulate load and the finish required.

Backwash flow rates are based on 16/30 sand media.

Ordering Information

Code	Description
F605	1" BSPF Inlet/Outlet, 12" Body, 800 kPa Rating
F610	1½" BSPF Inlet/Outlet, 16" Body, 800 kPa Rating
F620	2" BSPF Inlet/Outlet, 20" Body, 800 kPa Rating
F635	2" BSPF Inlet/Outlet, 25" Body, 800 kPa Rating
F640	3" BSPF Inlet/Outlet, 3" Victaulic, 30" Body, 800 kPa Rating
F650	3" BSPF Inlet/Outlet, 3" Victaulic, 36" Body, 800 kPa Rating
F660	4" BSPF Inlet/Outlet, 4" Victaulic, 48" Body, 800 kPa Rating