

### Applications

The Single Chamber Media Filters are designed to provide quality filtration solutions for water containing high level of organic matter and algae contamination. The high quality materials and manufacturing combined with efficient operation of the filtration and backwash mechanisms ensure consistent and long term clean water supply.

### Special features and technical specifications

The filter body and flanges are made of Carbon Steel ST37.2. The filter's media layer depth should be precisely 16", measured from the bottom.

\* Only one grade of sand media is necessary with any Yamit's system

**Please note: NO coarse gravel base layer is allowed or required!!**

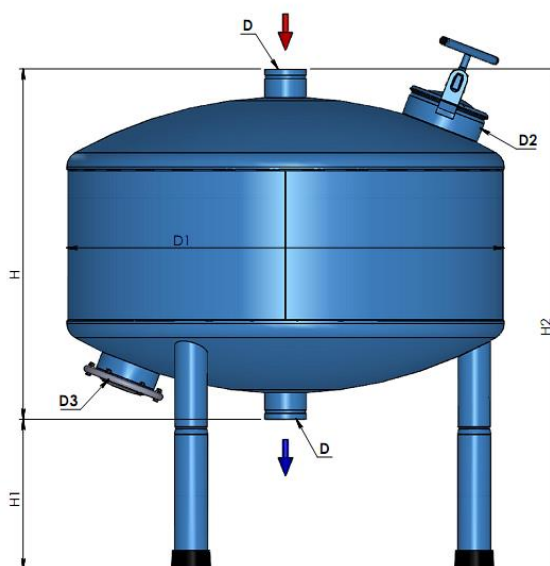
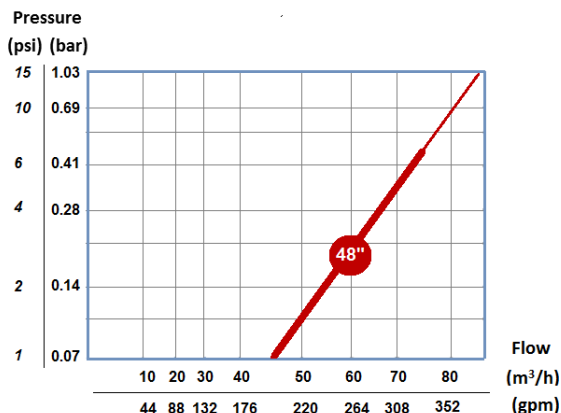
### Operation principles

Water enters the filter via the inlet and spreads equally on the media. Dirt particles and organic matter is trapped on and in the media. Water passes through the media and flows out via the filter elements free of dirt. The cleaning backwash process is carried out by shutting off the inlet of the filter with a 3-way backwash valve and turning open the flush water outlet.

Model	Tank Size		Filtration Area		Flow Rate Range		Media Required		Tank Weight	
	(in)	(mm)	(ft <sup>2</sup> )	(m <sup>2</sup> )	(gpm)	(m <sup>3</sup> /h)	(lb)	(kg)	(lb)	(kg)
F660IVL	48	1200	12.16	1.13	198-330	45-75	1488	675	364	165

Model	D		D1		D2		D3		H		H1		H2	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
F660IVL	4	100	48	1200	8	200	6	150	37.8	960	16.1	410	53.9	1370

No of Filters/Size	Flow Rate Range	
	(gpm)	(m <sup>3</sup> /h)
2 - 48"	396-660	90-150
3 - 48"	594-990	135-225
4 - 48"	792-1320	180-300
5 - 48"	990-1650	225-375
6 - 48"	1188-1980	270-450
8 - 48"	1584-2640	360-600



# Media Filter Series F660IVL

## Carbon Steel – Single Chamber

Part No.	Description	Catalogue No.
1	BODY GRAVEL FIL 48"*4"VIC IL SNG.CHAMBER C.S	NA
2	DIFFUSER BODY PVC110 F660IVL SING CHAM	W6216111002-02
3	FILTER NOZZLES PP [P2](0.25) L=20/20 15/16"	4000026500
4	WASHER 3/8" SS304	4122123001
5	NUT NYLOCK 3/8" SS304	4112123002
6	ROD 3/8"NC*190 + D3 + NUT SS304 ASSM	W6243001200-190-01
7	NUT 3/8"NC SS304	4112123001
8	FILTERING ARM 0.25 SF-237 M30X2 PP	4000046500
9	FILTERING ARM 0.25 SFC-347 M30X2PP 5BLINDED HEAD	4000046501
10	FILTERING ARM 0.25 SFC-456 M30X2PP 6BLINDED HEAD	4000046502
11	COVER GASKET 8"(SCR 110/160) F140/240/340	5312160600-150
12	COVER 8" F140/240/340,FT030 PNT	5320010800-01-P
13	HYD GASKET F/SERVICE HOLE 6" F610-660,FT060	5311150600-045
14	SERVICE HOLE COVER 6" F610-660,FT060 PNT	5320010600-01-P
15	KIT TIGHTENING BRACKET 8"+HANDLE PNT	ES6012108000-01-P
16	WASHER 5/16" HOT GALVANIZED	4122110401
17	NUT 5/16"NC HOT GALVANIZED	4112110401
18	BOLT HEX HEAD 5/16"NC*35 HOT GALVANIZED	4102110401-035
19	O-RING 230 NBR	4081063100-230
20	EXTENSION LEG F48" FIL	5421010300-P
21	RUBBER BASE NR F/LEG F640-660	E5312030600-067

Warning: - Maximum pressure standard is **87 psi** (Higher pressure is available on request)  
 - Do not open cover before executing the following:

- 1) Shut off both the system's inlet and outlet valves, turn open the filter drain and make sure that the filter is totally drained and the pressure is 0 PSI.
- 2) The filter cover can now be carefully opened
- 3) "Quilted forklift" – to prevent and avoid polyester coating/scratch damage.

