

Applications

The Stainless Steel 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 Stainless Steel 304. 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!!

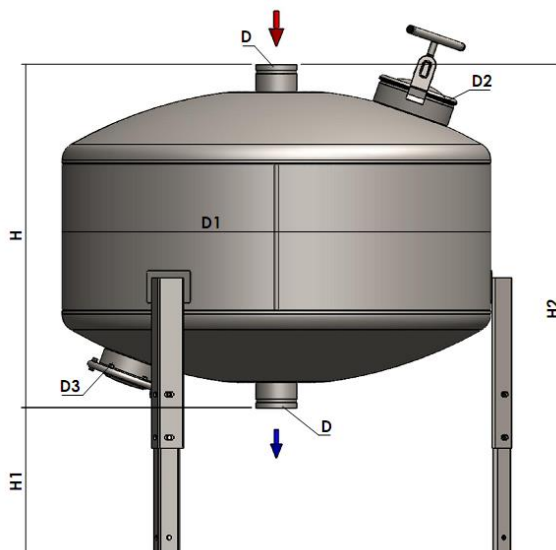
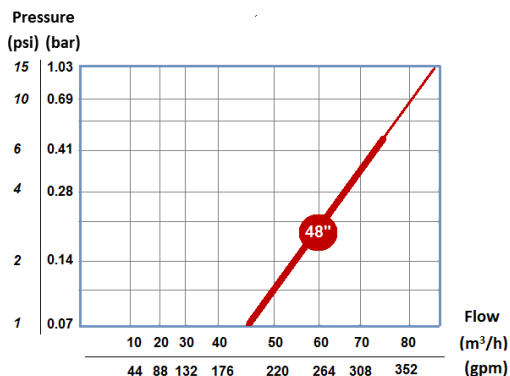
Operation principles

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 ²) | (m ²) | (gpm) | (m ³ /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 ³ /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-SS Stainless Steel – Single Chamber

| Part No. | Description | Catalogue No. |
|----------|--|--------------------|
| 1 | BODY GRAVEL FIL 48"*4"VIC IL SNG.CHAMBER SST304 | 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 | BOLT HEX HEAD 1/2"NC*1" SS304 | 4102143001-025 |
| 20 | WASHER 1/2" GALVANIZED | 4122140501 |
| 21 | NUT 1/2"NC GALVANIZED | 4112140501 |
| 22 | LEG BODY SS304 H=478.5 F660IVL | W5424300002-01 |

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.

