



SHREE PLAST ENGINEERING PVT. LTD.

High flow filters



IS 12785 : 1994



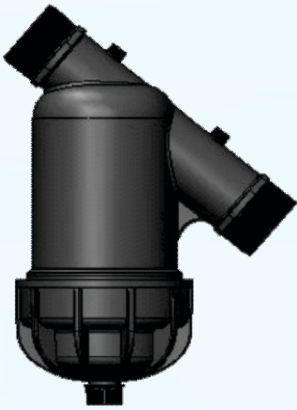
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Y-TYPE DISC FILTERS:



2 YDF



1.5 YDF, 1.25 YDF



1 YDF, 1/2 YDF, 3/4 YDF

Y-TYPE DISC FILTERS:

- With the excellent technology SHREE's Y-type disc filters have micro precise, high-efficiency and large volume filtration advantage. The well-designed structure makes it easy to clean. And the Y structure can be easily installed in a narrow space.



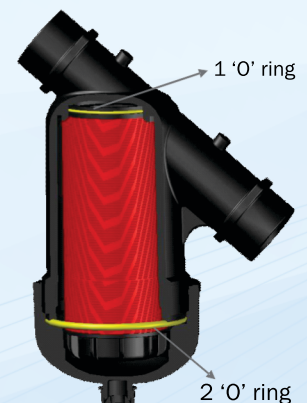
Y-TYPE FILTERS TYPICAL APPLICATION:

- Y-type disc filter are applicable to low flow rate water filtering for household, agriculture irrigation, municipal gardening. Built-in pressure pipeline, Y-type disc filter will efficiently filter out solid particles.



Y-TYPE FILTERS FEATURES & ADVANTAGES:

- Compact structure is assemble in narrow space.
- Micro-precise filtration.
- Innovative depth filter traps design retains large amounts of solids.
- Resistant to chemical products.
- Easy installation, easy maintenance.
- Auxiliary connection for drain & pressure.
- Present 2 ports for connecting pressure gauge.

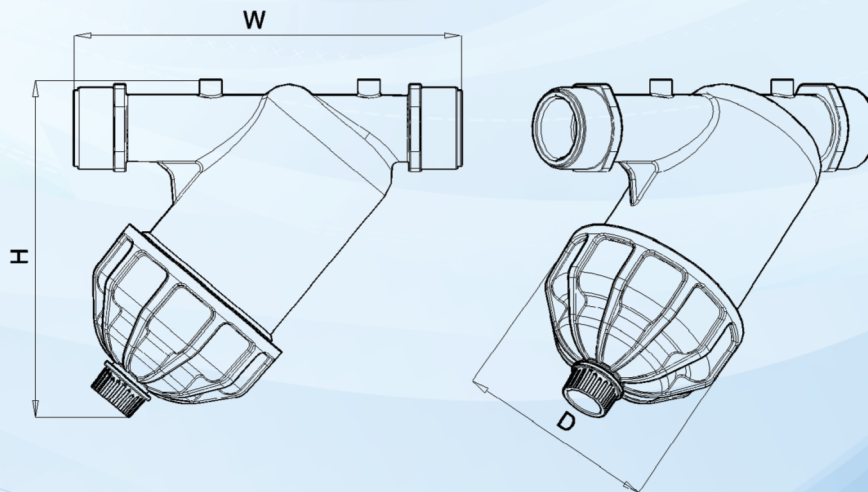


Y-TYPE DISC FILTERS MODELS & SPECIFICATIONS:

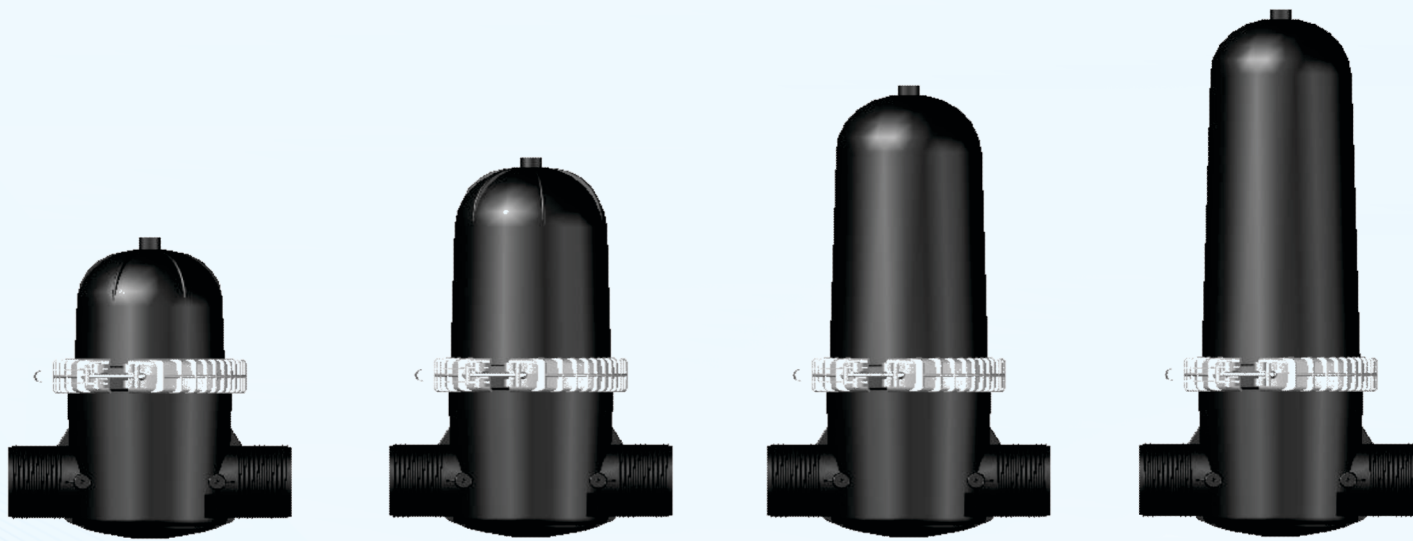
| MODEL | CONNECTION | FILTARTION GRADE(MESH) | MAX FLOW (M ³ /H) | MAXIMUM WORKING PRESSURE BAR | FILTERING SURFACE(CM ²) | WEIGHT (KGS) | TYPE | |
|---------|------------|------------------------|------------------------------|------------------------------|-------------------------------------|--------------|------|--|
| 1/2 YDF | 1/2" | 120 | 1.5 | 6 | 190 | 0.310 | DISC | |
| 3/4YDF | 3/4" | 120 | 3 | 6 | 190 | 0.310 | DISC | |
| 1YDF | 1" | 120 | 5 | 6 | 190 | 0.310 | DISC | |
| 1.25YDF | 1.25" | 120 | 10 | 6 | 310 | 0.720 | DISC | |
| 1.5YDF | 1.5" | 120 | 14 | 6 | 310 | 0.720 | DISC | |
| 2YDF | 2" | 120 | 25 | 6 | 535 | 1.280 | DISC | |

Y-TYPE FILTERS DIMENSIONS :

| MODEL | HEIGHT (MM) | WIDTH (MM) | DIAMETER (MM) |
|---------|-------------|------------|---------------|
| 1/2 YDF | 175 | 168 | 83 |
| 3/4YDF | 175 | 168 | 83 |
| 1YDF | 175 | 168 | 83 |
| 1.25YDF | 202 | 231 | 118 |
| 1.5YDF | 202 | 231 | 118 |
| 2YDF | 253 | 266 | 146 |



T-TYPE HIGH FLOW DISC & SCREEN FILTERS:



TINY

ECONOMY

SUPER

JUMBO

T-TYPE HIGH FLOW FILTERS

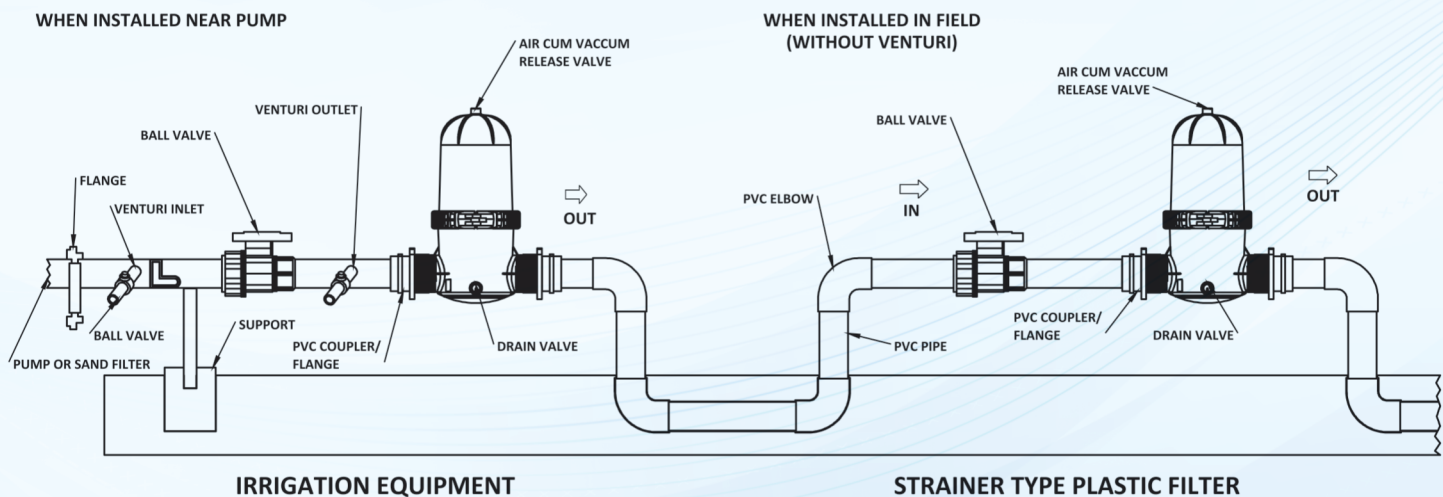
- With the excellent technology **SHREE'S** T-type disc filters have micro precise, high-efficiency and large volume filtration advantage. The well-designed structure makes it easy to clean, T-type filter are made with high flow technology which gives better performance and results even at very high solid particles.

T-TYPE HIGH FLOW FILTERS TYPICAL APPLICATION:

- T-type disc filter are applicable to high flow rate water filtering agriculture irrigation, housing society, municipal garden. Built-in pressure pipeline, T-type filter will efficiently filter out solid particles.

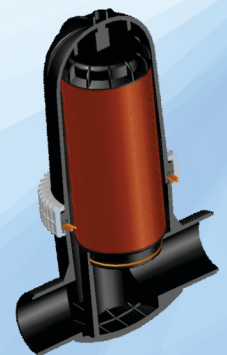
T-TYPE HIGH FLOW FILTER INSTALLATION:

- Filter should be installed vertically as shown in picture.
- Use teflon tape on filter threads; do not use any sealing material on the plastic ball valve connection to filter drain port.
- Ensure correct inlet/outlet direction as mentioned in picture.
- When connecting filter to pipe, do not over tighten.
- Never use spanner for tightening the filter elements.











T-TYPE HIGH FLOW FILTERS FEATURES & ADVANTAGES:

















- The filters are made from special polymer which are weather resistant.
- Nylon hybrid clamp with SS lock for high pressure operation.
- Dual 'O' Rings for leak proof operation even at high pressure and high flow.
- Drain port with 3/4" ball valve for quick drain.
- Cartridge Diameter : 160mm[highest in class].
- Rigid construction of filter.



T-TYPE HIGH FLOW DISC FILTERS MODELS & SPECIFICATIONS:

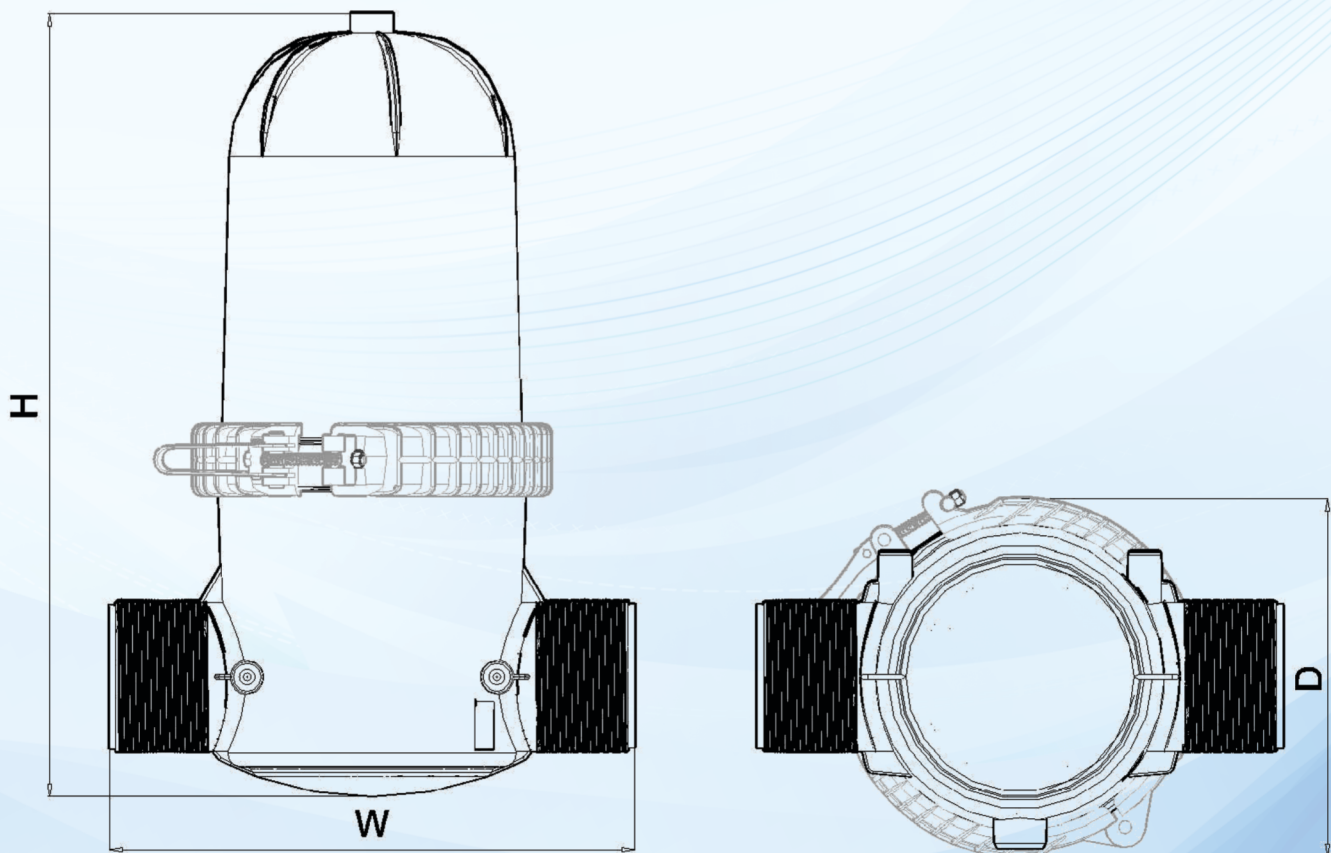
| MODEL | CONNECTION | FILTARTION GRADE(MESH) | MAX FLOW (M ³ /H) | MAXIMUM WORKING PRESSURE BAR | FILTERING SURFACE(CM ²) | WEIGHT (KGS) | TYPE |  |
|---------|------------|------------------------|------------------------------|------------------------------|-------------------------------------|--------------|------|--|
| 2TDFT | 2" | 120 | 40 | 6 | 1000 | 6.200 | DISC |  |
| 2TDFE | 2" | 120 | 45 | 6 | 1610 | 7.400 | DISC |  |
| 2TDFS | 2" | 120 | 45 | 6 | 2210 | 8.500 | DISC |  |
| 2TDFJ | 2" | 120 | 45 | 6 | 2815 | 10.000 | DISC |  |
| 2.5TDFT | 2.5" | 120 | 60 | 6 | 1000 | 6.200 | DISC |  |
| 2.5TDFE | 2.5" | 120 | 70 | 6 | 1610 | 7.400 | DISC |  |
| 2.5TDFS | 2.5" | 120 | 70 | 6 | 2210 | 8.500 | DISC |  |
| 2.5TDFJ | 2.5" | 120 | 70 | 6 | 2815 | 10.000 | DISC |  |
| 3TDFT | 3" | 120 | 70 | 6 | 1000 | 6.200 | DISC |  |
| 3TDFE | 3" | 120 | 90 | 6 | 1610 | 7.400 | DISC |  |
| 3TDFS | 3" | 120 | 90 | 6 | 2210 | 8.500 | DISC |  |
| 3TDFJ | 3" | 120 | 90 | 6 | 2815 | 10.000 | DISC |  |
| 4TDFT | 4" | 120 | 90 | 6 | 1000 | 6.200 | DISC |  |
| 4TDFE | 4" | 120 | 120 | 6 | 1610 | 7.400 | DISC |  |
| 4TDFS | 4" | 120 | 120 | 6 | 2210 | 8.500 | DISC |  |
| 4TDFJ | 4" | 120 | 120 | 6 | 2815 | 10.000 | DISC |  |

T-TYPE HIGH FLOW SCREEN FILTERS MODELS & SPECIFICATIONS:

| MODEL | CONNECTION | FILTARTION GRADE(MESH) | MAX FLOW (M ³ /H) | MAXIMUM WORKING PRESSURE BAR | FILTERING SURFACE(CM ²) | WEIGHT (KGS) | TYPE |  |
|---------|------------|------------------------|------------------------------|------------------------------|-------------------------------------|--------------|--------|---|
| 2TSFT | 2" | 120 | 40 | 6 | 900 | 5.700 | SCREEN |  |
| 2TSFE | 2" | 120 | 45 | 6 | 1365 | 6.500 | SCREEN |  |
| 2TSFS | 2" | 120 | 45 | 6 | 1900 | 7.250 | SCREEN |  |
| 2TSFJ | 2" | 120 | 45 | 6 | 2295 | 8.500 | SCREEN |  |
| 2.5TSFT | 2.5" | 120 | 60 | 6 | 900 | 5.700 | SCREEN |  |
| 2.5TSFE | 2.5" | 120 | 70 | 6 | 1365 | 6.500 | SCREEN |  |
| 2.5TSFS | 2.5" | 120 | 70 | 6 | 1900 | 7.250 | SCREEN |  |
| 2.5TSFJ | 2.5" | 120 | 70 | 6 | 2295 | 8.500 | SCREEN |  |
| 3TSFT | 3" | 120 | 70 | 6 | 900 | 5.700 | SCREEN |  |
| 3TSFE | 3" | 120 | 90 | 6 | 1365 | 6.500 | SCREEN |  |
| 3TSFS | 3" | 120 | 90 | 6 | 1900 | 7.250 | SCREEN |  |
| 3TSFJ | 3" | 120 | 90 | 6 | 2295 | 8.500 | SCREEN |  |
| 4TSFT | 4" | 120 | 90 | 6 | 900 | 5.700 | SCREEN |  |
| 4TSFE | 4" | 120 | 120 | 6 | 1365 | 6.500 | SCREEN |  |
| 4TSFS | 4" | 120 | 120 | 6 | 1900 | 7.250 | SCREEN |  |
| 4TSFJ | 4" | 120 | 120 | 6 | 2295 | 8.500 | SCREEN |  |

T-TYPE HIGH FLOW FILTERS DIMENSIONS:

| MODEL | HEIGHT (MM) | WIDTH (MM) | DIAMETER (MM) |
|-------|-------------|------------|---------------|
| TDFT | 480 | 400 | 277 |
| TDFE | 600 | 400 | 277 |
| TDFS | 720 | 400 | 277 |
| TDFJ | 840 | 400 | 277 |



T-TYPE HIGH FLOW SEMI-AUTOMATIC DISC AND SCREEN FILTERS:



Precise Clean Technology™

T-TYPE HIGH FLOW SEMI-AUTOMATIC FILTERS FEATURES & ADVANTAGES:

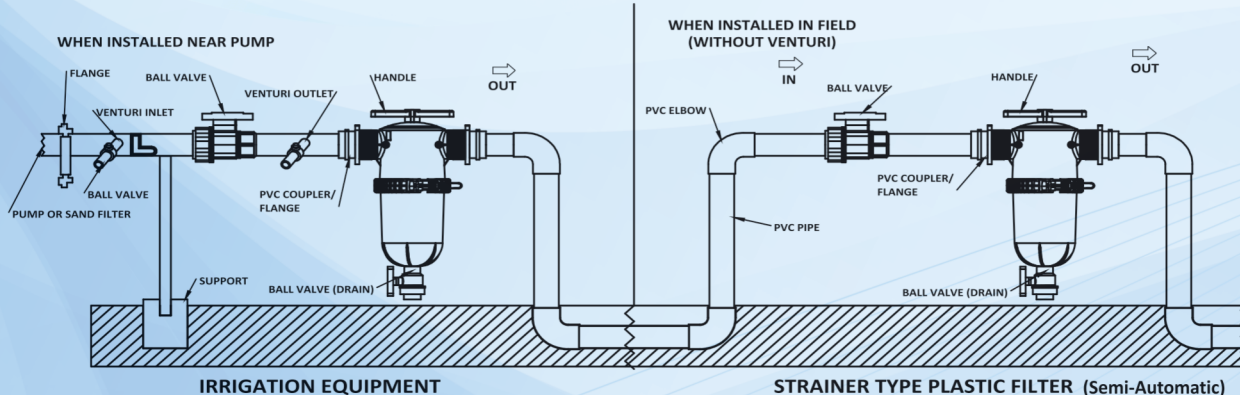
- Positive cleaning technology.
- Filter designed for pressure rating (6bar) & high flow.
- Disc cartridge enable with mechanically loosen during cleaning.
- Filter with clogging indicator, Red pop up comes out at 0.6 KG/CM² pressure differential, indicated end user to clean filter manually.
- During cleaning operation, all inlet water passes through the pipe, and water jets removes dirt from the disc and screen.
- Handle for 90 degree rotation for cleaning of disc & screen without dismantling of filter.
- Grooved disc design with dimensional consistency proven with more than 95% filter efficiency.

T-TYPE HIGH FLOW SEMI-AUTOMATIC FILTER CLEANING INSTRUCTIONS:








- Cleaning of the filter must be done when pressure differential across the disc reaches 0.6 KG/CM² or when the clogging indicator red button pops up.
- Cleaning the semi-automatic filter must be done while the filter is under pressure.
- Gradually open the flushing valve below the filter.
- To start cleaning mode of filter, turn the handle(top of the filter) 90 degree in clockwise.
- Cleaning operation starts, system pressure might increase during cleaning operation.
- When cleaning operation done, first handle direction should be at filtration mode. And then flushing valve gradually close.
- In case the filter is still clogged(pressure indicator button is up). Repeat the above steps for effective disc cleaning.

T-TYPE HIGH FLOW SEMI-AUTOMATIC FILTER INSTALLATION:








- Filter should be installed as shown in picture.
- Use teflon tape on filter threads; do not use any sealing material on the plastic ball valve connection to filter drain port.
- Ensure correct inlet/outlet direction.
- When connecting filter to pipe, do not over tighten.
- Never use spanner for tightening the filter elements.



T-TYPE HIGH FLOW SEMI-AUTOMATIC DISC FILTERS MODELS & SPECIFICATION:

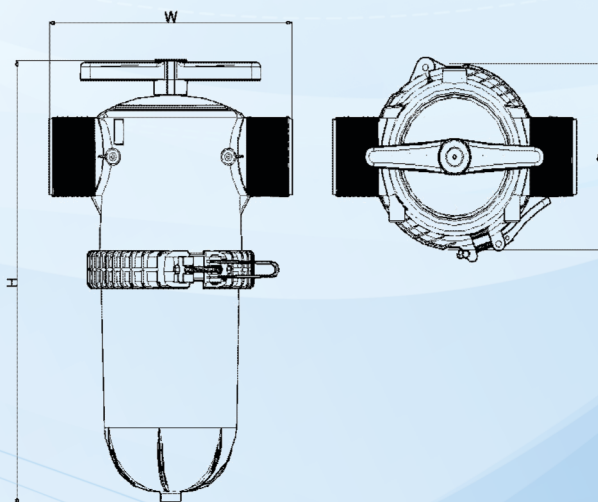
| MODEL | CONNECTION | FILTARTION GRADE(MESH) | MAX FLOW (M ³ /H) | MAXIMUM WORKING PRESSURE BAR | FILTERING SURFACE(CM ²) | WEIGHT (KGS) | TYPE |  |
|-----------|------------|------------------------|------------------------------|------------------------------|-------------------------------------|--------------|------|---|
| 2TDFTSA | 2" | 120 | 35 | 6 | 1000 | 7.050 | DISC |  |
| 2.5TDFTSA | 2.5" | 120 | 55 | 6 | 1000 | 7.050 | DISC |  |
| 3TDFTSA | 3" | 120 | 65 | 6 | 1000 | 7.050 | DISC |  |
| 3TDFESA | 3" | 120 | 65 | 6 | 1610 | 8.250 | DISC |  |
| 4TDFTSA | 4" | 120 | 75 | 6 | 1000 | 7.050 | DISC |  |
| 4TDFESA | 4" | 120 | 75 | 6 | 1610 | 8.250 | DISC |  |

T-TYPE HIGH FLOW SEMI-AUTOMATIC SCREEN FILTERS MODELS & SPECIFICATIONS:

| MODEL | CONNECTION | FILTARTION GRADE(MESH) | MAX FLOW (M ³ /H) | MAXIMUM WORKING PRESSURE BAR | FILTERING SURFACE(CM ²) | WEIGHT (KGS) | TYPE |  |
|-----------|------------|------------------------|------------------------------|------------------------------|-------------------------------------|--------------|--------|---|
| 2TSFTSA | 2" | 120 | 35 | 6 | 900 | 6.550 | SCREEN |  |
| 2.5TSFTSA | 2.5" | 120 | 55 | 6 | 900 | 6.550 | SCREEN |  |
| 3TSFTSA | 3" | 120 | 65 | 6 | 900 | 6.550 | SCREEN |  |
| 3TSFESA | 3" | 120 | 65 | 6 | 1365 | 7.350 | SCREEN |  |
| 4TSFTSA | 4" | 120 | 75 | 6 | 900 | 6.550 | SCREEN |  |
| 4TSFESA | 4" | 120 | 75 | 6 | 1365 | 7.350 | SCREEN |  |

T-TYPE HIGH FLOW SEMI-AUTOMATIC FILTERS DIMENSIONS:

| MODEL | HEIGHT (MM) | WIDTH (MM) | DIAMETER (MM) |
|--------|-------------|------------|---------------|
| TDFTSA | 590 | 400 | 277 |
| TDFESA | 710 | 400 | 277 |



HIGH FLOW SAND FILTERS :-



APPLICATIONS :-

- Primary filtration to protect drip & micro-irrigation systems.
- Suitable to use with fertilizer.
- For filtering surface water from open sources like - an open well, pond, river, or lake, which often contains organic biological contaminants, silt & clay.

TECHNICAL SPECIFICATIONS :-

| Model | Body Diameter | | Inlet/ outlet | | Recommended flow rate | Back flush flow | Empty tank weight | Empty tank volume | Sand quantity /tank | Sand bed height | Connection type |
|--------------|---------------|-----|---------------|-----|-----------------------|---------------------|-------------------|-------------------|---------------------|-----------------|--------------------|
| inch | inch | mm | inch | mm | M ³ /hr. | M ³ /hr. | kg | liter | kg | mm | |
| 3" SF 90 | 32" | 800 | 3" | 90 | 80~100 | 40~60 | 83 | 450 | 400 | 600 | Threaded / Flanged |
| 4" SF 120 | 32" | 800 | 4" | 110 | 110~130 | 50~70 | 88.5 | 450 | 400 | 600 | Threaded / Flanged |

Maximum working pressure : 5 kg/cm²

| | |
|----------------------------|------------------------|
| Flushing cycle time | 90 seconds |
| Back flushing frequency | Once every day |
| Minimum back wash pressure | 0.7 kg/cm ² |

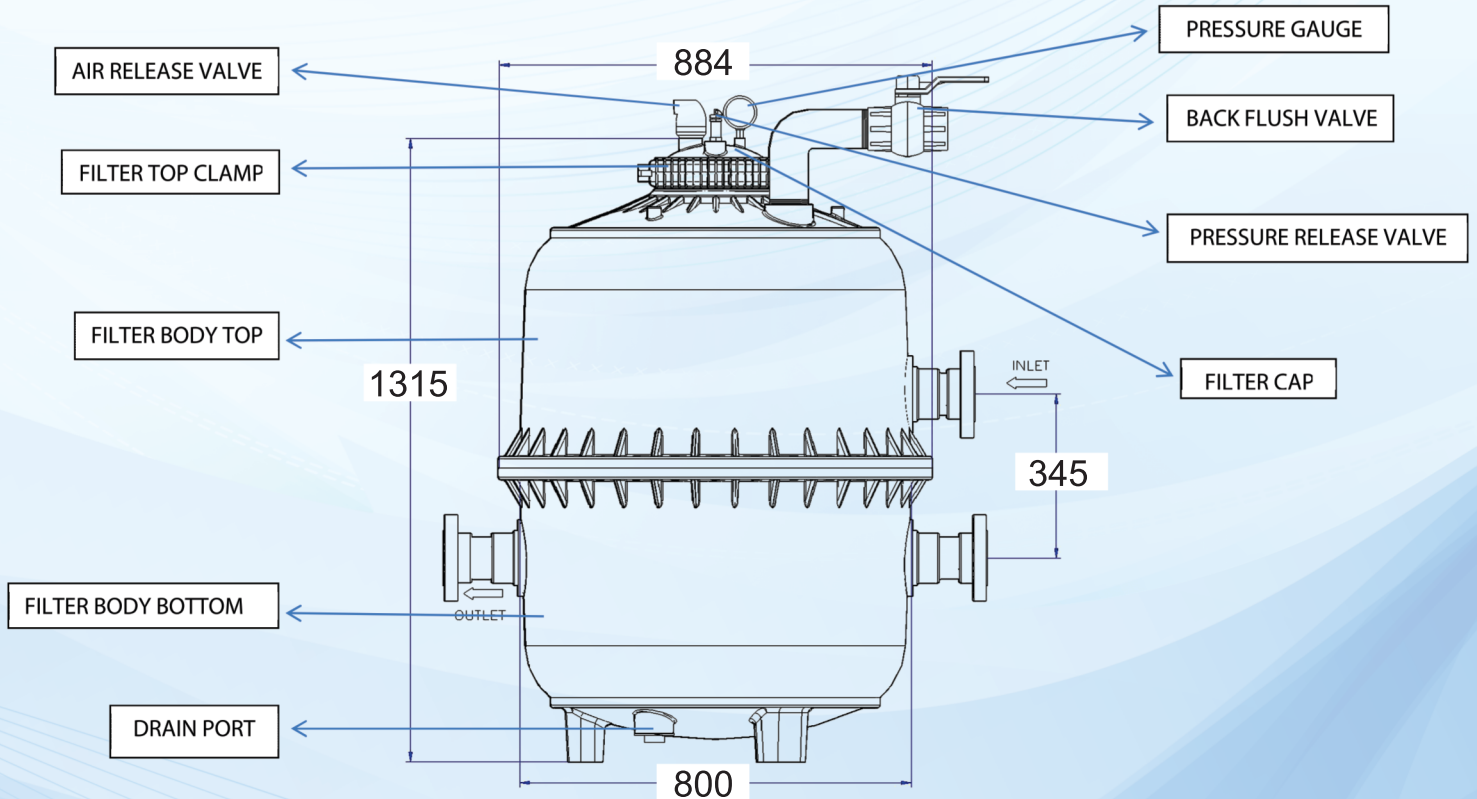
*Depends on quality of water.

PRECISE CLEAN TECHNOLOGYTM HIGH FLOW SAND FILTERS

FEATURES AND BENEFITS:-

- 100% corrosion free body.
- 35 years of warranty for body.
- High flow technology.
- Working pressure 5 kg/cm².
- Precise clean technology™
- Highest flow in the class.
- Multiple connection options.
- 8 ways balanced inlet flow for better performance.
- 8 ways balanced under drain flow technology for better output flow.
- Top back wash connection for less media loss.
- All weather compatibility for longer life.
- 100% openable assembly for better service even at site.
- Comes with high quality ball valves and butterfly valves for easy operation.
- Pressure release valve for extra safety against excess pressure to prevent filter damage.
- Multiple inlet / outlet on request. (Two inlets / two outlets for full flow utilization).
- Fitted with high quality & more numbers of mushroom strainers for ultrafine filtration.
- Wide space available for dirt collection which minimizes frequency of back flushing.
- Three way pressure measuring system. (Inlet, outlet & tank pressure).
- High quality silica crushed sand is used as a filtration media.
- High back flush flow rate for less cleaning time.
- Continues air release valve for better performance.

FILTER COMPONENTS & DIMENSIONS:-



*All spare parts are available as per requirement

Note : The prices, designs, constructions, specifications & models are subject to change without any prior notification. All disputes are subject to Ahmedabad Jurisdiction.

Mfg. & Developed by :



SHREE PLAST ENGINEERING PVT. LTD.

High flow filters



Authorised Distributor :

ADDRESS

📍 **UNIT-1 :**
SHREE PLAST MOULDS PVT. LTD.
75/5/2 Opposite Bank of Baroda, Phase-1,
F-Road, Vatva G.I.D.C, Ahmedabad-382445, Gujarat.

📍 **UNIT-2 :**
SHREE PLAST ENGINEERING PVT. LTD.
Survey No. 1308, Near MGVC Sub Station,
Gokalpura Road, Haldarvas, Ta. Mahemdabad,
Dist. Kheda-387110, Gujarat, India.