

MIHIR
ENTERPRISE

High Flow Filters

✉ mihirenterprise1404@gmail.com

🌐 www.filtrax.in

☎ 9825069266

Y-TYPE DISC & SCREEN FILTERS:



2 YDF
2 YSF



1.5 YDF, 1.25 YDF
1.5 YSF, 1.25 YSF



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

Y-TYPE DISC & SCREEN FILTERS:

- With the excellent technology FILTRAX's Y-type disc & screen 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.

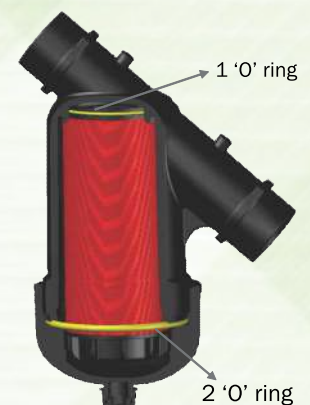
Y-TYPE FILTERS TYPICAL APPLICATION:

- Y-type disc & screen filters are applicable to low flow rate water filtering for household, agriculture irrigation, municipal gardening. Built-in pressure pipeline, Y-type disc & screen filters 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:

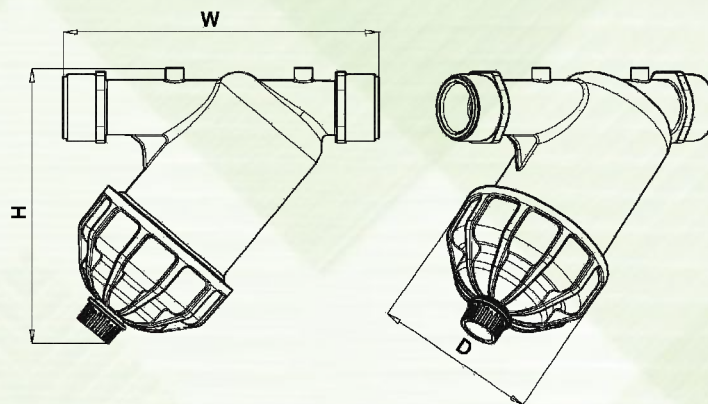
MODEL	CONNECTION	FILTARTION GRADE(MESH)	MAX FLOW (M ³ /H)	MAXIMUM WORKING PRESSURE BAR	FILTERING SURFACE(CM ²)	WEIGHT (KGS)	TYPE
1/2 YDF	1/2"	120	1.5	6	190	0.410	DISC
3/4YDF	3/4"	120	3	6	190	0.410	DISC
1YDF	1"	120	5	6	190	0.410	DISC
1.25YDF	1.25"	120	10	6	310	0.890	DISC
1.5YDF	1.5"	120	14	6	310	0.890	DISC
2YDF	2"	120	25	6	535	1.460	DISC

Y-TYPE 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
½ YSF	1/2"	120	1.5	6	190	0.310	SCREEN
3/4YSF	3/4"	120	3	6	190	0.310	SCREEN
1YSF	1"	120	5	6	190	0.310	SCREEN
1.25YSF	1.25"	120	10	6	310	0.750	SCREEN
1.5YSF	1.5"	120	14	6	310	0.750	SCREEN
2YSF	2"	120	25	6	535	1.160	SCREEN

Y-TYPE FILTERS DIMENSIONS :

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



T-TYPE HIGH FLOW DISC & SCREEN FILTERS:



TINY

ECONOMY

SUPER

JUMBO

T-TYPE HIGH FLOW FILTERS

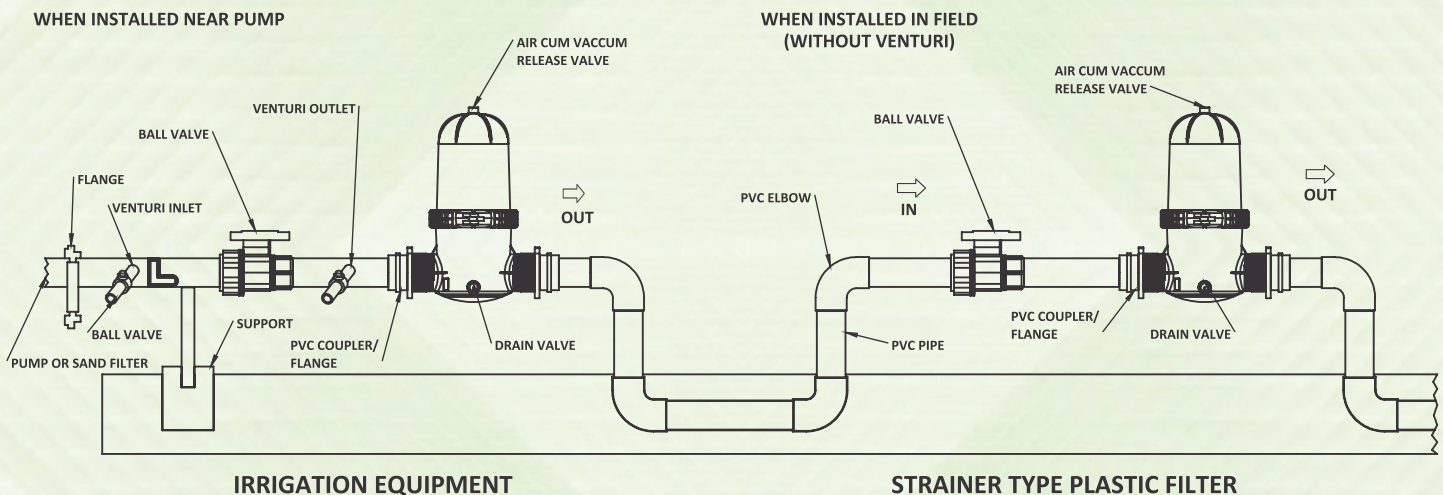
- With the excellent technology FILTRAX'S T-type disc filters have micro precise, high-efficiency and large volume filtration advantage. The well-designed structure makes it easy to clean, T-type filter are made with high flow technology which gives better performance and results even at very high solid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

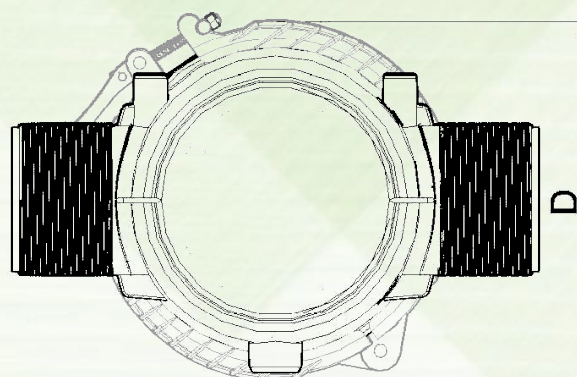
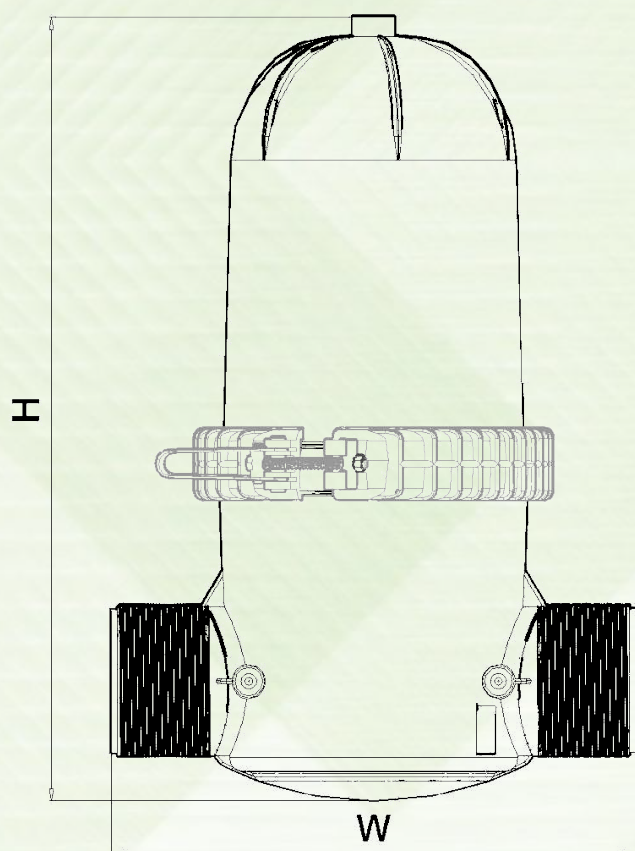
MODEL	CONNECTION	FILTARTION GRADE(MESH)	MAX FLOW (M ³ /H)	MAXIMUM WORKING PRESSURE BAR	FILTERING SURFACE(CM ²)	WEIGHT (KGS)	TYPE
2TDFT	2"	120	40	6	1000	6.200	DISC
2TDFE	2"	120	45	6	1610	7.400	DISC
2TDFS	2"	120	45	6	2210	8.500	DISC
2TDFJ	2"	120	45	6	2815	10.000	DISC
2.5TDFT	2.5"	120	60	6	1000	6.200	DISC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



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

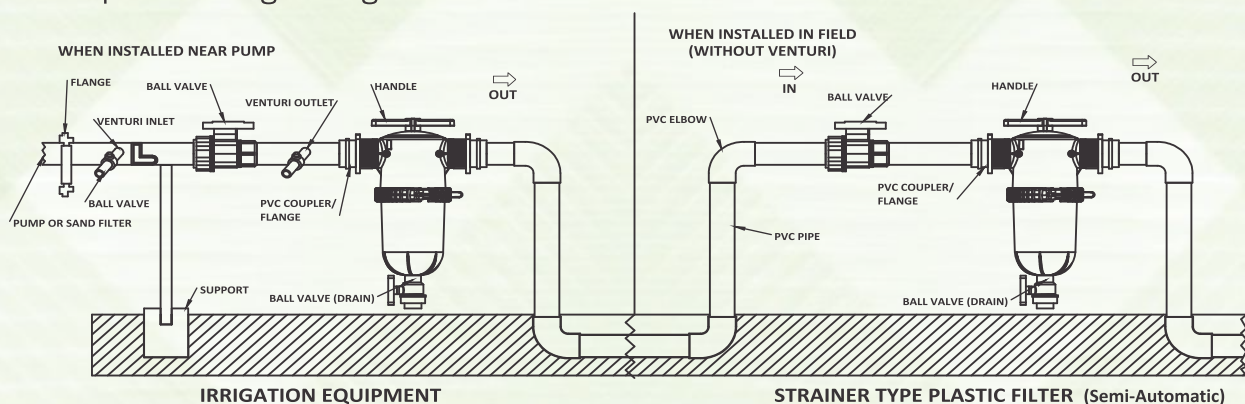
- Positive cleaning technology.
- Filter designed for pressure rating (6bar) & high flow.
- Disc cartridge enable with mechanically loosen during cleaning.
- Filter with clogging indicator, Red pop up comes out at 0.6 KG/CM^2 pressure differential, indicated end user to clean filter manually.
- During 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/CM^2 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:

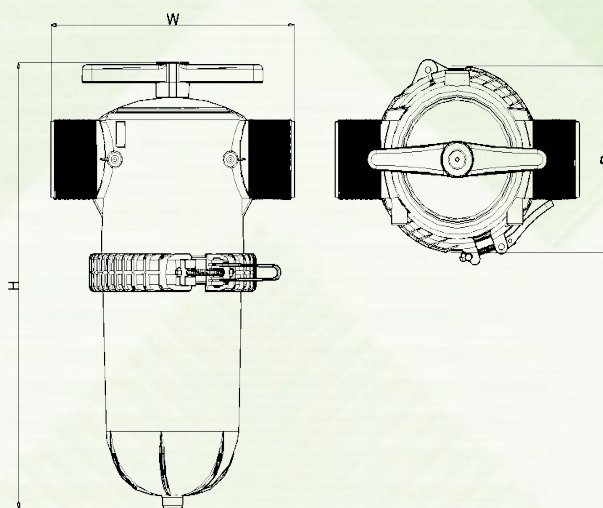
MODEL	CONNECTION	FILTARTION GRADE(MESH)	MAX FLOW (M ³ /H)	MAXIMUM WORKING PRESSURE BAR	FILTERING SURFACE(CM ²)	WEIGHT (KGS)	TYPE
2TDFTSA	2"	120	35	6	1000	7.050	DISC
2.5TDFTSA	2.5"	120	55	6	1000	7.050	DISC
3TDFTSA	3"	120	65	6	1000	7.050	DISC
3TDFESA	3"	120	65	6	1610	8.250	DISC
4TDFTSA	4"	120	75	6	1000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

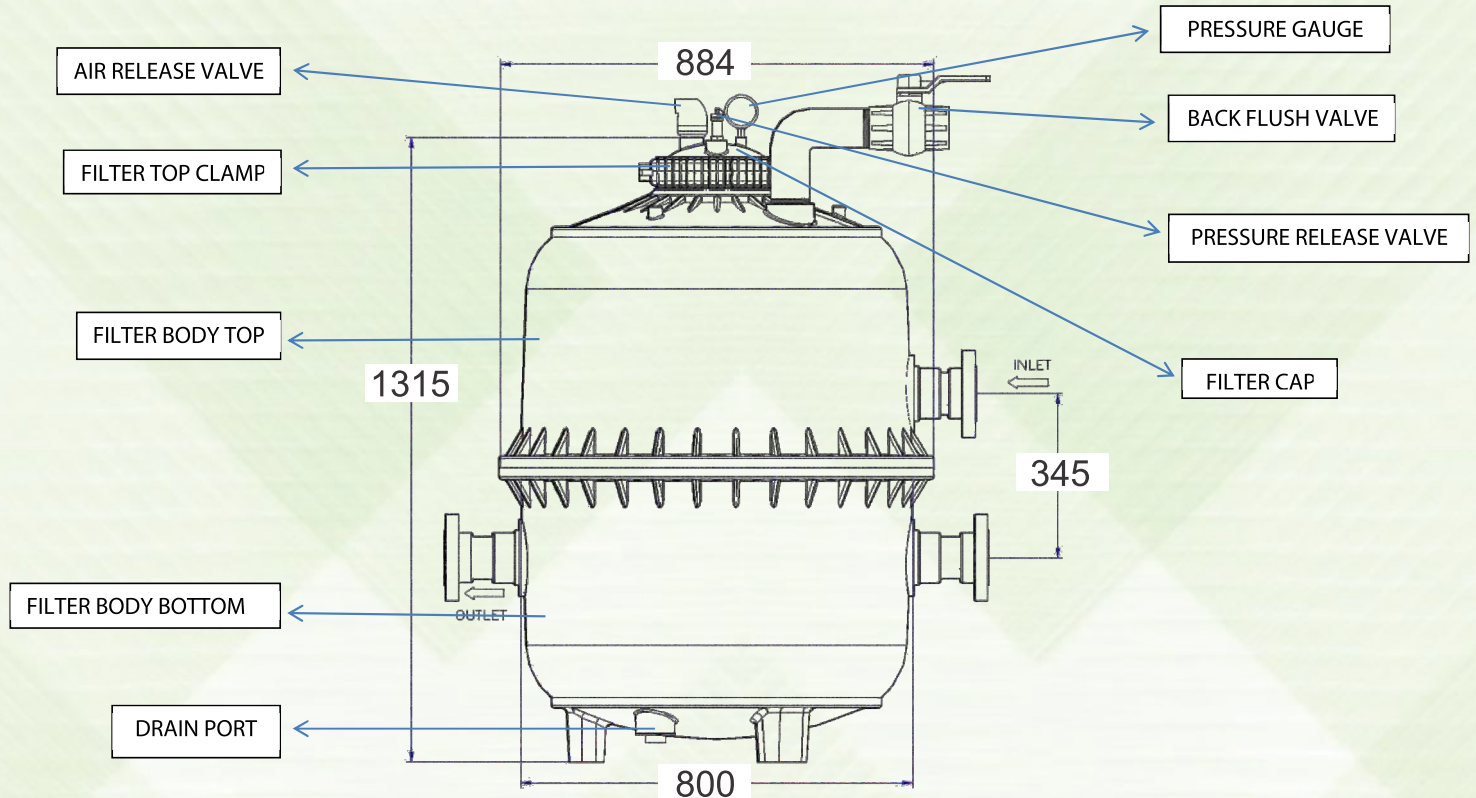
Flushing cycle time	90 seconds
Back flushing frequency	Once every day
Minimum back wash pressure	0.7 kg/cm ²

*Depends on quality of water.

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 :

**MIHIR
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Authorised Distributor :

✉ mihirenterprise1404@gmail.com

🌐 www.filtrax.in

☎ 9825069266