

Ultrafine

irrigation filter



Screen Filters

Efficiently removes impurities such as hard inorganic particulates like scale, Trash, sand, silt and other contaminants like algae and helps increase efficiency of valves operation and results in overall significant increase in system efficiency leading to excellent system performance



Easy to open and close Toggle Clamp made of engineering plastic to open the filter casing for cleaning of filter element.



Two openings for differential pressure measurement, and one opening for Drain cum Fertilizer injection port, all provided as per standard metal insert



Vacuum breaker to ensure the dripper is clogging free also act as a self locking air relief valve for initial priming of irrigation filter.



Single piece moulded filter element for better performance and resistance to buckling.

Application

Used for water filtration of drip irrigation system for farms, gardens, landscapes or where fine filtration is needed.

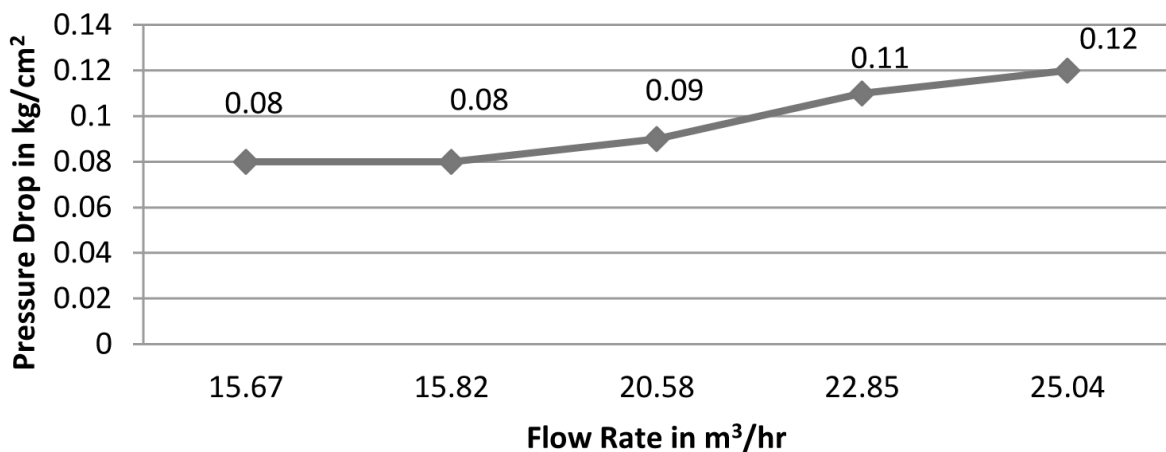
Features

- Manufactured from re-inforced engineering plastic to provide longer life in the field.
- Anti corrosive & chemical resistant body.
- Single piece moulded cartridge for longer life & stability.
- Designed to withstand wide fluctuations in pressures.
- Various mesh size available (80, 20, 150 microne).

Technical Specification of 2" Filter

2"	Pressure Drop				
	1	2	3	4	5
Pressure drop kg/sq cm	0.08	0.08	0.09	0.11	0.12
Flow Rate cum/hrs	15.67	15.82	20.58	22.85	25.04

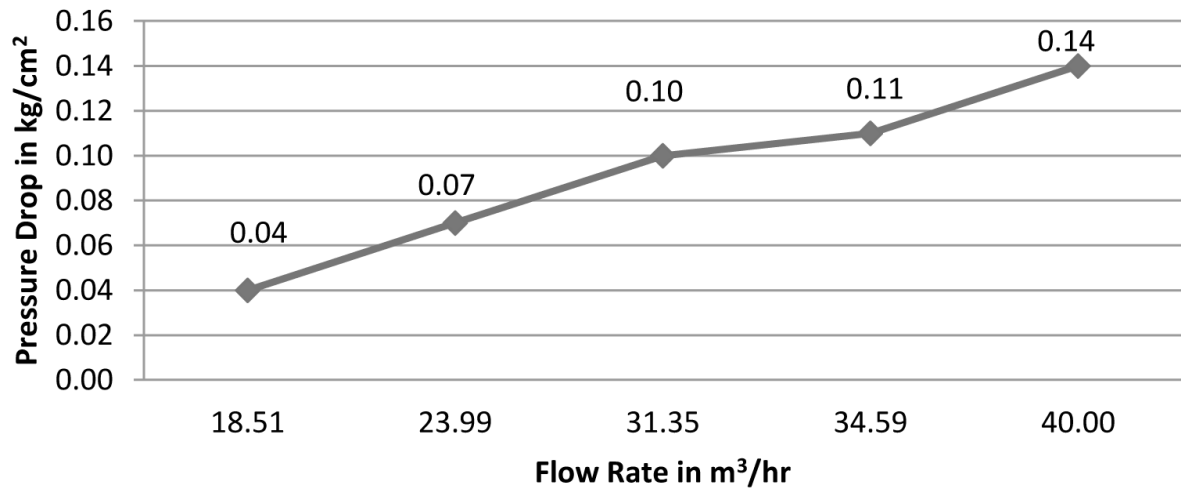
Flow Rate vs Pressure Drop for 2" Filter



► Technical Specification of 2.5" Filter

Pressure Drop					
2.5"	1	2	3	4	5
Pressure drop kg/sq cm	0.04	0.07	0.10	0.11	0.14
Flow Rate cum/hrs	18.51	23.99	31.35	34.59	40.00

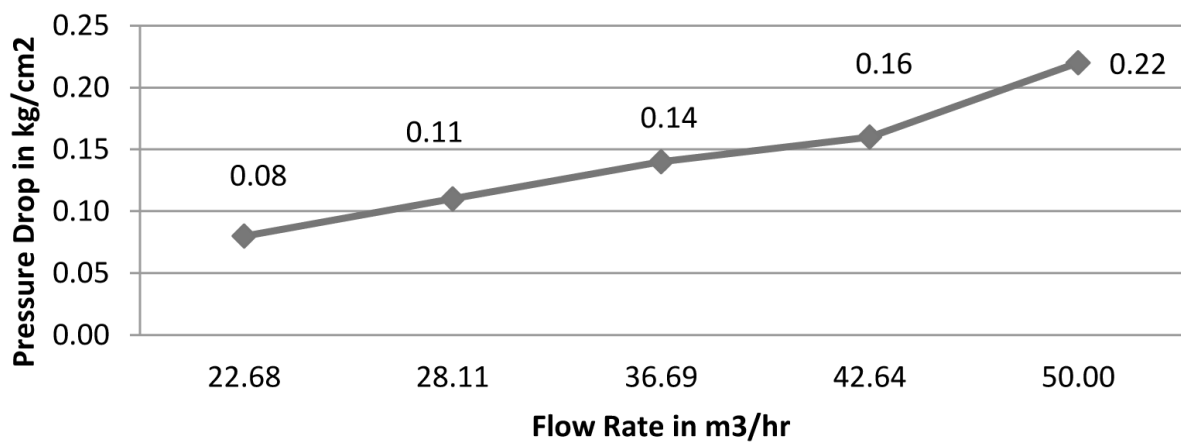
► Flow Rate vs Pressure Drop for 2.5" Filter



► Technical Specification of 3" Filter

Pressure Drop					
2"	1	2	3	4	5
Pressure drop kg/sq cm	0.08	0.11	0.14	0.16	0.22
Flow Rate cum/hrs	22.68	28.11	36.69	42.64	50.00

► Flow Rate vs Pressure Drop for 3" Filter



► Flow Chart

Inlet / Outlet Diameter	Dia 2" Male Thread (BSP Threaded,IS : 554*/ ISO: 7-1).	Dia 2.5" Male Thread (BSP Threaded,IS : 554*/ ISO: 7-1).	Dia 3" Male Thread (BSP Threaded,IS : 554*/ ISO: 7-1).
	2" (50mm)	2.5" (65mm)	3" (80mm)
Nominal Operating Tempr. & Pressure	1-4 kg/sqcm	1-4 kg/sqcm	1-4 kg/sqcm
Max Flow Rate	25	30	40
Length of element (mm)	315	315	315
Filtration Area	1060	1060	1060
Dimension of Filter Assembly	-	-	-
Height	515	545	550
Width	292	332	332
Breadth	340	330	330
Weight (Kg)	4.060	4.480	4.480
Max. Tempr.	30 deg C	30 deg C	30 deg C
Max Operating Pressure	6 bar	6 bar	6 bar
Working pH Range	5 to 7	5 to 7	5 to 7

► Advantages

- Ribs provided at casing surrounding to ensure the strength and to withstand buckling from unbalanced force & stress from inside.
- Larger filtration area to cope with internal clogging and longer cleaning cycle.
- Internal turbulator to engage full area of filtration in action-anti-clogging.
- Easy to clean and reinstall on the field
- Inlet & outlet part distinctly marked.

- Installation & maintenance manual available online



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