

Water contains some amount of insoluble matter or soil. In order to safeguard the drip or sprinkle irrigation system, it is necessary to use a filter.

Advantages of Ecoflo Filters:

- Easy cleaning of the stainless steel mesh filter element / discs as water goes from inside to outside and the suspended matter can be easily unclogged by a water jet on the outer side.
- Comes with an inbuilt air release valve on the top that also works as a flush valve.
- Easy flushing with the help of flushing valve.
- Reasonable price.
- 2 filters attached in parallel are available. This double filter arrangement helps in pressurized flushing of the filters by just operating the inlet valves.
- Spares and replaceable parts available at reasonable price.
- Filtration is must if the plot is irrigated using thin walled drip lines

Technical specifications:

We provide a variety of filters with different discharges, capacities and inlet outlet diameters depending on the application.

TITLE	INLET OUTLET DIA	CAPACITY (m ³)	DISCHARGE (lph)	OPENING SPANNER	AIR CUM FLUSH VALVE	DOUBLE FILTER ASSEMBLY	APPLICATION
16mm Bottle Filter	16mm	1	1000	No	No	No	Small Plot Size
3/4 th Screen Filter	3/4 th	3	3000	No	No	No	Small Plot Size
1" Screen Filter	1"	5	5000	No	No	No	Small Plot Size
2" 10m ³ Screen Filter	2"	10	10,000	Yes	Yes	No	Medium Plot Size
2" 20m ³ Screen Filter	2"	20	20,000	Yes	Yes	Yes	Medium - Large Plot Size
2.5" Screen Filter	2.5"	30	30,000	Yes	Yes	Yes	Large Plot Size
2.5" Disc Filter	2.5"	30	30,000	Yes	Yes	Yes	Large Plot Size
3" Disc Filter	3"	50	50,000	Yes	Yes	Yes	Large Plot Size
3"Screen Filter	3"	60	60,000	Yes	Yes	Yes	Large Plot Size

2.5" DISC FILTER



2" 10M3 SCREEN FILTER



16MM, 3/4" AND 1" SCREEN FILTER



2.5" SCREEN FILTER



2" 20M3 SCREEN FILTER



3" FILTER (DISC & SCREEN)



DOUBLE FILTER



SAND FILTER

Water from open wells, canals or reservoirs can be muddy, contaminated and may contain algae/weeds and other suspended matter. These can clog the screen/disc filters instantly. Hence a sand filter is used as primary filtration before the screen/disc filter to get rid of these huge amount of suspended matter.

- Sand filter uses Silica Quartz sand with Mushroom for effective filtration.
- Back flush arrangement is also provided which enables easy flushing and cleaning.



Title	Inlet / Outlet	Height	Max. flow rate (m3)
20m3 filter	50	1440	20
30m3 filter	65	1440	30
40m3 filter	80	1600	40
50m3 filter	80	1600	50

Comparison	Filters available in the market	Our Filters
Direction of water flow in screen/disc filter	Usually, water flows in outward to inward direction in the filter	Our filter is one of its kinds, in which water flows in inward to outward direction This keeps the dirty/soiled water in the inner side of the screen/disc- hence enables easy flushing and efficient cleaning
Air valve and flush valve	Usually absent	During normal use, the valve acts as an air-valve but by pressing the raised air valve, flushing of soiled/dirty water is easily possible
Maintenance	High maintenance- Has to be opened regularly for removing suspended matter.	Low maintenance - Does not require regular opening for cleaning purpose since flushing is done without opening the filter
Cleaning of the screen/disc	Difficult and tedious as the clogging is on the outside of the screen/disc	Easy cleaning is achieved by simply rolling the filter element under water jet as the suspended matter is on the inside of the screen/disc
Opening of filters for cleaning	Opening is easier by means of metal clamps. This is prone to tampering	Filter body top is threaded and needs a special supplied spanner for opening. It is more tamper-proof as it is difficult to open.
Back flushing system	Back flushing cannot be achieved.	Unique back flushing system can be achieved both in disc as well as screen filters by assembling 2 or more filters in parallel by manual closing the inlet valve of one filter and pushing the flush valve to force out, under back system pressure, all the trapped suspended matter