

Mach Clean

Corrosion-free polymeric technology



CORROSION-FREE
5 YEAR
WARRANTY

IS : 14606:1998



CM/L:8300145208

MachClean

Manual & Automatic Sand Media Filters



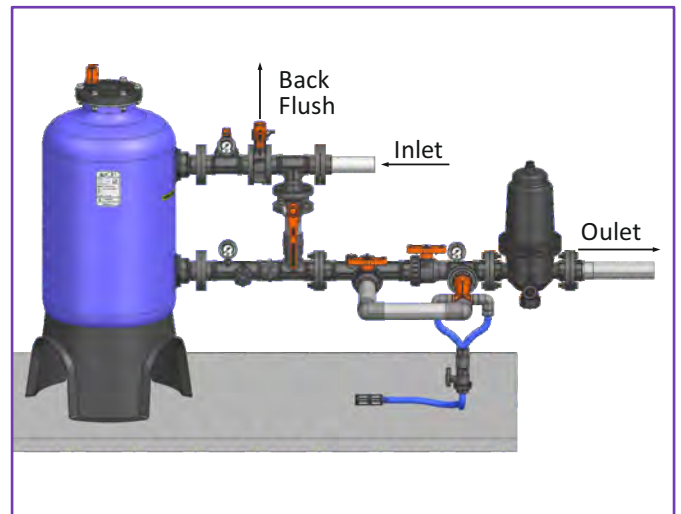
Applications

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

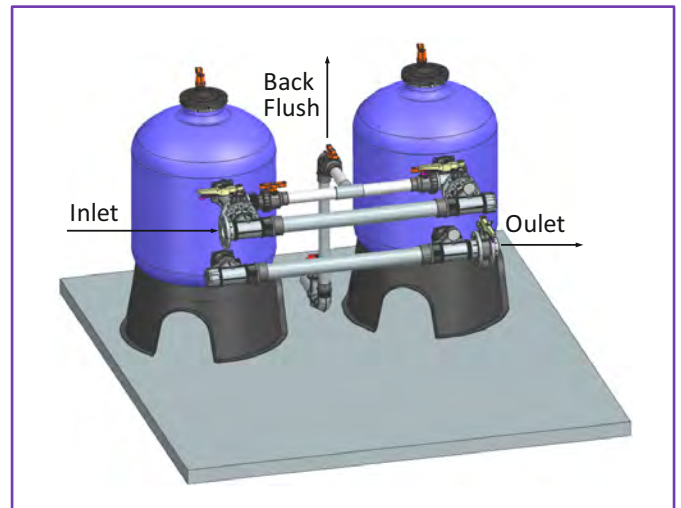
Features and Benefits

- **Corrosion-free 5 years warranty:** Cutting-edge advanced polymer technology which makes it corrosion free.
- **Exceptional strength:** Reinforced glass fibre, which gives extra strength, durability & provides the best resistance to impact, corrosion & chemicals. Underdrain flutes made with PPGF (Poly Propylene Glass Filled) for extended life.
- **Best in class features with leading-edge performance:** Advanced design of under drain system to get maximum performance, comes with high-quality 'Automat' ball valves & butterfly valves for ease of operation.
- **Anti-clogging:** New advanced design of flutes which prevents clogging & reduces the pressure drop in the filter.
- **Lightweight & durable:** 55% less weight as compared to metal filters with equivalent strength & capacity per volume.
- **All-weather compatible:** The filter works efficiently even in high humidity areas.
- **Trouble-free maintenance:** Large service ports for easy maintenance.
- **Automation:** MachClean media filters can operate in either manual or automatic modes.

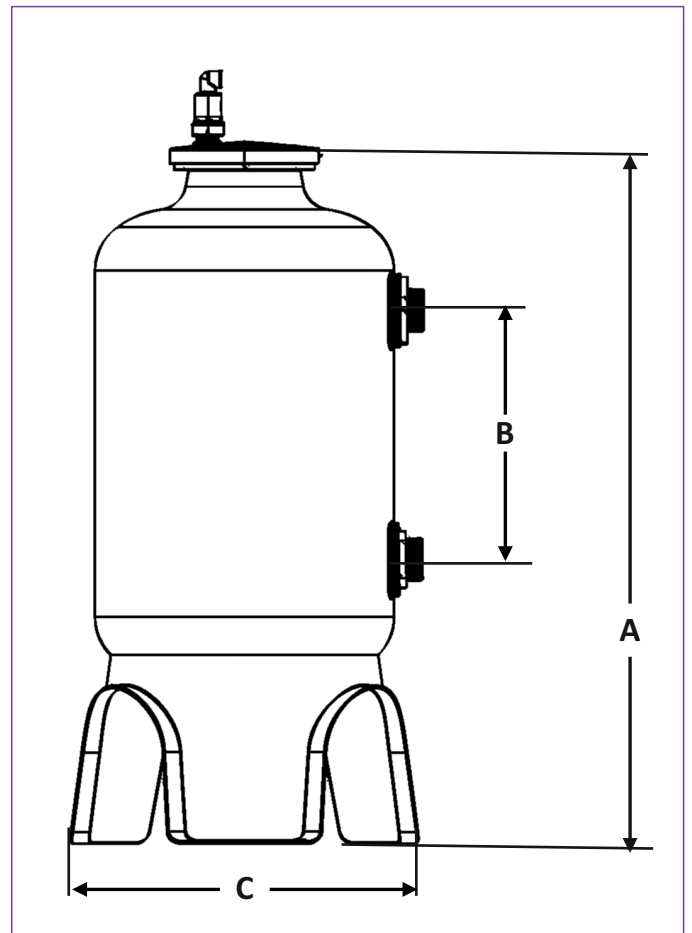
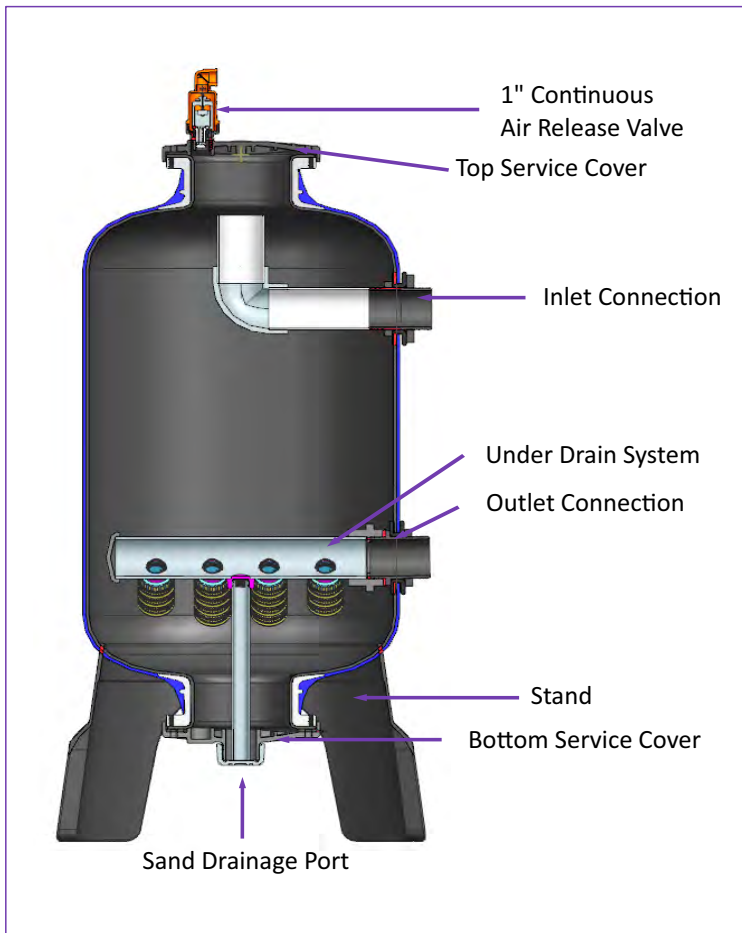
Single Media Filter



Twin Media Filter



Filter Components & Dimensions



Dimensions (mm)

SIZES	A	B	C
20" HT-563, HT-564	1260	420	620
24" HT-565, HT-566	1300	420	650
30" HT-567	1360	380	835



Technical Specification

BODY DIAMETER		INLET/OUTLET		RECOMMENDED FLOW RANGE	BACK FLUSH FLOW	EMPTY TANK WEIGHT	EMPTY TANK VOLUME	SAND BED HEIGHT	SAND QUANTITY /TANK	CONNECTION TYPE
INCH	MM	INCH	MM	M ³ /HR	M ³ /HR	KG	LITER	MM	KG	
20"	500	2	50	20~30	12~14	38	145	400	150	Threaded/ Flanged/ Grooved
20"	500	2.5	65	27~35	12~14	38	145	400	150	Threaded/ Flanged
24"	600	2.5	65	35~45	14~16	45	230	400	200	Threaded/ Flanged
24"	600	3	80	35~45	14~16	45	230	400	200	Threaded/ Flanged/ Grooved
30"	750	3	80	45~52	16~18	59	320	370	350	Threaded/ Flanged/ Grooved

Maximum Working Pressure : 4 Kg/cm²

Material of Construction : FRP, EPDM, PPGF

Back Flushing Data

Flushing Cycle Time*	90 Seconds
Back Flushing Frequency*	Once every 3 hours
Minimum Backwash Pressure	1.5 kg/cm ²

*Depends on quality of water

Head Loss Curve (Tank Only)

