TIMEX
Filtration & Water Systems

Separator Filters

flow rates	filtration degrees	minimum operating pressure
up to **5000 m³/h** (22000 US gpm)	**70** micron	**1** bar (15 psi)

features:

- Filtration down to 70 micron for settleable particles
- 1 m³/h - 5000 m³/h production range
- Sea water applications
- Designed to operate continously with no routine shutdown for cleaning or maintenance
- Self cleaning without any interruption
- No need to maintenance
- No parts to replace
- Automatic purging
- Easy to install
- Special coatings for corrosion resistance
- Available in stainless stell 304, 316L and titanium
- Available in ASME Section VIII Division 1 design with “U” Stamp

General Specifications

Working Princible

Liquid enters the unit tangentially, which creates a centrifugal flow. A special top inlet construction accelerates the centrifugal flow. Centrifugal force moves particles to the sides of the separator chamber, where, solids slowly drop along the sides to the quiet collection chamber. Cleaned liquid is drawn up through the vortex and leaves the separator by the top outlet. Solids are either periodically or continuously purged from the collection chamber.

Automatic Purging System

220V/24V programmable electrical switchboard which controls purging intervals and duration with electric actuated ball valve. Automates purging of the suspended solids hence removing the man power requirement. Pneumatic actuated models are also available.

Advantages

- Uninterruption of flow during the purging
- Very low water loss during cleaning
- No pressure drop
- Very easy to install
- No need for any by-pass which reduces the installation costs
- No cost for general or periodical maintenance

"CTSS - COOLING TOWER SWEEPER SYSTEM"

Technical Specifications

Filter Type	Inlet / Outlet	Capacity (m^3/h)	Weight (kg)
TMN 20	¾"	1 - 4	8
TMN 25	1"	2 - 7	9
TMN 32	1 ¼"	7 - 10	14
TMN 40	1 ½"	10 - 16	15
TMN 50	2"	16 - 24	19
TMF 65	2 ½"	24 - 35	24
TMF 80	3"	35 - 65	33
TMF 100	4"	65 - 90	48
TMF 125	5"	90 - 110	60
TMF 150	6"	110 - 200	160
TMF 200	8"	200 - 380	295
TMF 250	10"	375 - 700	410
TMF 300	12"	560 - 900	640
TMF 350	14"	650 - 1200	650
TMF 400	16"	860 - 1600	660
TMF 450	18"	1100 - 2000	675

Minimum Working Pressure	1 bar (15 psi)
Maximum Working Pressure	10 bar (145 psi), 16 bar (232 psi) or higher upon request
Maximum Working Temperature	90 °C
Construction Material	Carbon Steel, Stainless Steel 304, 316 or Special Materials Upon Request

"SKID MOUNTED COMPLETE SYSTEM"

TMN	DIMENSIONS				
	A	B	C	INTEL/OUTLET	DRAIN
20	600	110	130	¾″	¾″
25	690	110	130	1″	1″
32	760	125	165	1 ¼″	1″
40	760	130	170	1 ½″	1″
50	860	135	175	2″	1″

TMF	DIMENSIONS				
	A	B	C	INTEL/OUTLET	DRAIN
65	880	155	195	DN 65	1″
80	1040	175	215	DN 80	1″
100	1120	200	260	DN 100	1″
125	1355	245	270	DN 125	1 ¼″
150	1760	285	345	DN 150	1 ¼″
200	2260	365	435	DN 200	1 ¼″
250	2930	510	545	DN 250	1 ½″
300	4020	585	610	DN 300	2″

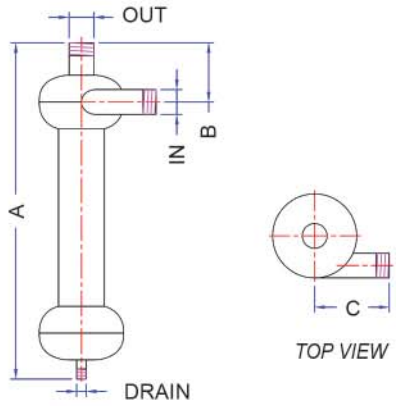
TMF LP	DIMENSIONS				
	A	B	C	INTEL/OUTLET	DRAIN
100	1160	300	1400	DN 100	1″
125	1290	350	1470	DN 125	1 ¼″
150	1640	380	1692	DN 150	1 ¼″
200	2215	490	1975	DN 200	1 ¼″
250	2695	585	2307	DN 250	1 ½″
300	3875	850	2910	DN 300	2″

TMF RD	DIMENSIONS				
	A	B	C	INTEL/OUTLET	DRAIN
65	1060	210	220	DN 65	1″
80	1245	230	275	DN 80	1″
100	1315	300	250	DN 100	1″
125	1465	300	300	DN 125	1 ¼″
150	1930	375	375	DN 150	1 ¼″
200	2405	410	450	DN 200	1 ¼″
250	3055	555	500	DN 250	1 ½″
300	4040	520	610	DN 300	2″

TMF LP/RD	DIMENSIONS				
	A	B	C	INTEL/OUTLET	DRAIN
100	1210	300	1470	DN 100	1″
125	1370	375	1511	DN 125	1 ¼″
150	1730	400	1816	DN 150	1 ¼″
200	2250	525	2090	DN 200	1 ¼″
250	2830	650	2405	DN 250	1 ½″
300	3850	750	2990	DN 300	2″

Dimensions

TMN SERIES



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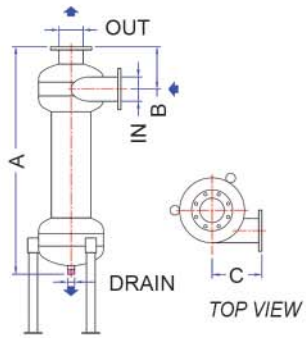

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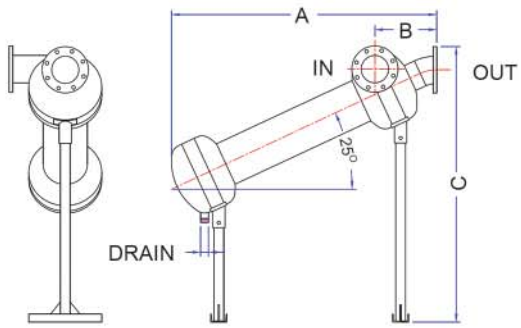

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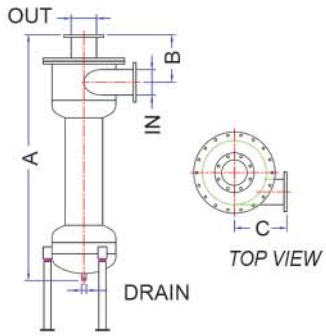
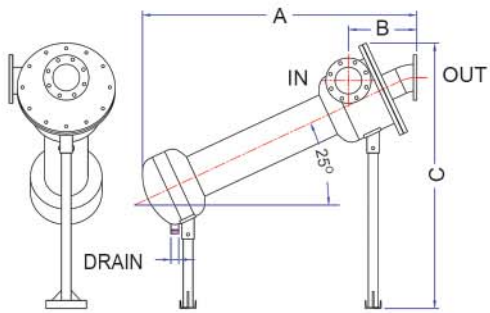


TMF LP/RD SERIES



industry

Automotive, Aviation, Ballast treatment, Electronics, Food & Beverage; Mining, Oil & Gas, Petrochemical, Power Generation, Pulp & Paper

municipal

Potable Water, Waste Water, Desalination, Brackish Water, High rise buildings, Pre-filtration to Membranes

irrigation

Agriculture, Golf & Turf, Aquaculture, Green Houses

Factory & Head Office

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