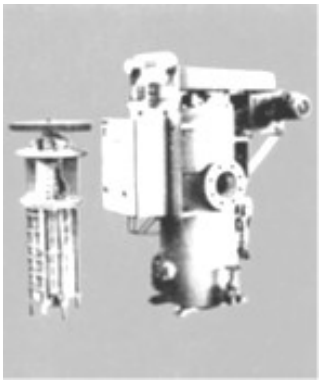
auto-klean
Filter Anything That Flows

TYPESFF60TME FF80T2ME FF60T FF80T2

DESCRIPTION auto-klean® flushflo® FF60TME, FF60T, FF80T2ME and FF80T2 self-cleaning filters are fitted with elements that are of all-metal wire-wound construction. They are cleaned without interrupting the flow of liquid by one complete turn of the element spindle, which causes the accumulated solids to be removed by a scraper and desposited into the filter sump. At the same time the filter outlet pressure is utilised to cause a reverse flow of clean liquid through the element into a slot in the hollow scraper. This flushes away the small solids trapped by the mesh out of reach of the scraper blade. The contaminated flushing liquid is ducted through the filter body to a discharge valve and is either led to waste or cleaned in a sediment collector incorporated in the filter and returned to the system. The sediment collector, when fitted, is a small Auto-Klean plate type filter.

FF60TME and FF80T2ME filters are supplied either with fully automatic or continuous drive for both the main filter and sediment collector. FF60T and FF80T2 filters are for manual operation only.



APPLICATIONS All grades of oils and distillates, water, chemicals, beverages, food products, paints, resins, greases, pulp and industrial liquids of every kind.

Auto-Klean Flushflo filters are particularly recommended for service with liquids containing a high proportion of abrasive solids.

ELEMENTS 230mm diameter X 450mm long (9" diameter X 18" long)
Filters FF60T & FF60TME have one element.
Filters FF80T2 and FF80T2ME have two elements.

Mesh .38mm(.0015") .076mm (.003") .127mm (.005")
.203mm (.008") .254mm (.010") .381mm (.015")
.508mm (.020") 1.016mm (.040")

CONNECTIONS 6" dia. 8S10 Table E standard for FF60T & FF60TME filters. 8" dia. 8S10 Table E standard for FF80T2 & FF80T2ME filters. Metric alternatives to above are 150mm nominal bore and 200mm nominal bore.

PRESSURE MaXimum Working 5.2 bar (75lb/in^2)
Test 10.5 bar (150lb/in$^{2)}$

MATERIALS

8ody	Mild Steel
Cover	S.G. Iron
Internals	8rass & Steel
Wire	Stainless Steel

SUMP CAPACITY See table on page 2

WEIGHTS See table on page 2

DIMENSIONS See drawing and table on page 2

FLOW RATES Auto-Klean Flushflo FF Filters must operate with outlet pressure not less than 0.7 bar (10 lb/in^2). The flow-rates listed below cover only a limited range of applications. Capacities for other liquids and meshes will be quoted on request.

MaXimum flow-rate per element under any condition: 273 metres^3 (60,000 gallons) per hour.

Service	Auto-Klean Mesh mm	Auto-Klean Mesh in	Equivalent Gauze Mesh	Capacity Filters with one element FF60TME & FF60T: Gallons Per Hour	Capacity Filters with one element FF60TME & FF60T: Metres^3 Per Hour	Capacity Filters with two elements FF80T2ME & FF80T2: Gallons Per Hour	Capacity Filters with two elements FF80T2ME & FF80T2: Metres^3 Per Hour
Water (Single Pass) and Soluble Oils (Recirculating)	.075	.003	150 X 150	15000	68	30000	136
	.125	.005	100 X 100	30000	136	60000	272
	.200	.008	80 X 80	35000	160	70000	320
				Viscosity Seconds Redwood No.1 100	Viscosity Engler Degrees 3.3°	Viscosity Seconds Redwood No.1 100	Viscosity Engler Degrees 3.3°
				500	16.2°	500	16.2°
Lubricating Oils (Recirculating)	.075	.003	150 X 150	22900 9300	104 42	45800 18600	208 84
	.125	.005	100 X 100	25200 13100	115 60	50400 26200	230 120
	.200	.008	80 X 80	26800 16300	122 74	53600 32600	244 148

auto-klean® filtration

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Type	A mm	A in	B mm	B in
FF60TME	150	55	1400	
FF80T2ME	200	55	1400	

Type FF80T2ME

Dimensions										Sump Capacity		Weight	
	D		F		G								
mm	In	mm	in	mm	in	mm	in	mm		Gall	Ltr	cwt	kg
1003	17	432	29½	749	21	533	5G	1270		9	41	61/,	330
1016	36	914	22	559	41	1041	50	1270		21	95	13	660

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