

DESCRIPTION auto-klean® 05E self-cleaning filters operate on the edge-filtration principle and are of all-metal plate-type construction. They are cleaned without interrupting the flow of liquid by one complete turn of the handle attached to the element spindle. This action deposits all the solids accumulated around the element into the filter sump. A magnetic insert may be incorporated in the sump drain plug to give additional protection against ferrous particles. A mounting bracket is supplied as a standard fitting with these filters.

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

ELEMENTS

Diameter	38.1mm (1½")		
Length	57.1mm (2¼") nett.		
Mesh	.025mm (.001")	.038mm (.0015")	.076mm (.003")
	.127mm (.005")	.203mm (.008")	.254mm (.010")
	.381mm (0.15")	.508mm (0.20")	

CONNECTIONS ½" B.S.P.

PRESSURE

Maximum Working	8.79 Kg/cm ² (125lb/in ²)
Test	17.58 Kg/cm ² (150lb/in ²)

Models suitable for operation at higher pressures are available if required.

MATERIALS

Standard	Cover & Sump Internals	Aluminium Alloy Mild Steel and Brass
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SUMP CAPACITY 114.8 cubic centimetres (7 cubic inches)

WEIGHT 1.13kg (2½lb)

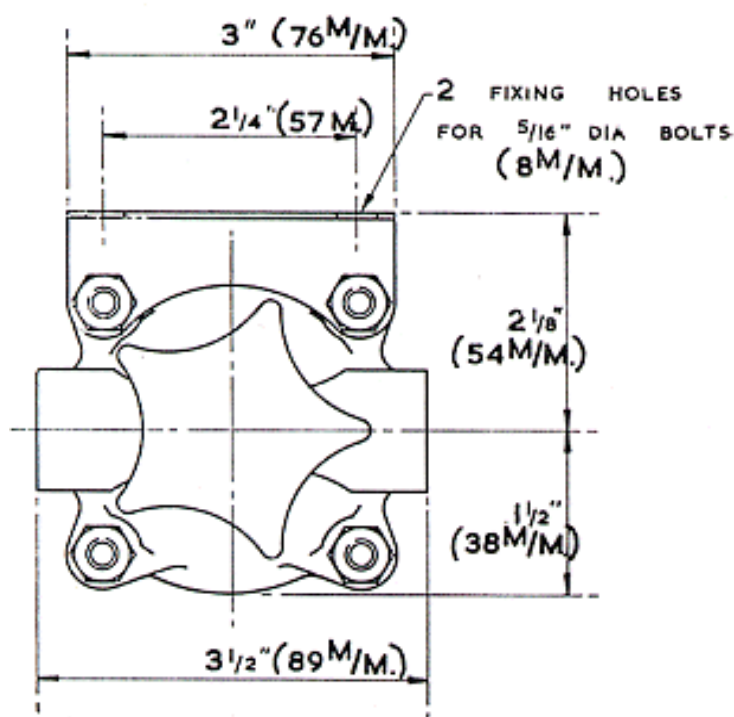
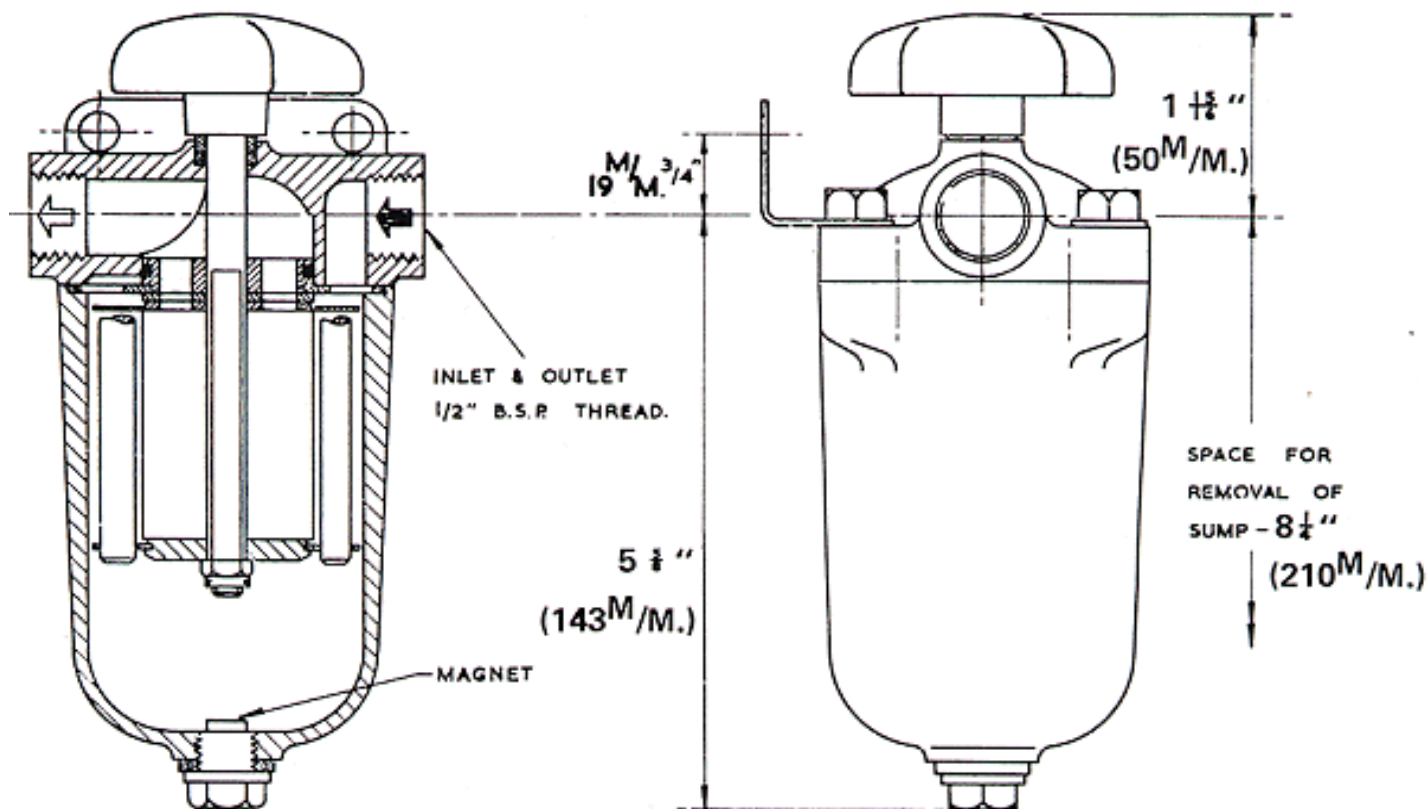
DIMENSIONS See table on page 2

FLOW RATES The flow rates listed below cover only a limited range of applications. Capacities for other liquids and filter meshes will be quoted on request. For discharge filters the capacities are based on a pressure drop of .1 to .15 Kg/cm² (1.5 to 2 lb/in²) across a clean element.

Maximum flow rate for any condition - **1364 litres (300 gallons) per hour**



Service	Auto-Klean Mesh		Equivalent Gauze Mesh	Free Area		Capacity		Viscosity	
	mm	in		cm ²	in ²	Gallons Per Hour	Litres Per Hour	Seconds Redwood No.1	Engler Degrees
Engine Lubricating Oil Discharge	.025	.001	250 x 250	4.2	0.65	100	455	250	8.1°
	.038	.0015	200 x 200	5.8	0.9	110	500	250	8.1°
	.076	.003	150 x 150	10.9	1.7	140	636	250	8.1°
	.127	.005	100 x 100	14.8	2.3	160	727	250	8.1°
Machine Tool Lub. Oil Discharge	.038	.0015	200 x 200	5.8	0.9	70	318	500	16.3°
	.076	.003	150 x 150	10.9	1.7	100	455	500	16.3°
	.127	.005	100 x 100	14.8	2.3	125	568	500	16.3°
Fuel Oil Discharge	.025	.001	250 x 250	4.2	0.65	180	820	35 to 60	1.3° to 2.1°
	.076	.003	150 x 150	10.9	1.7	200	900	100	
	.127	.005	100 x 100	14.8	2.3	250	1140	35 to 60	1.3° to 2.1°
	.254	.010	60 x 60	30.3	4.7	250	1140	200	6.5°
Suction	.076	.003	150 x 150	10.9	1.7	70	318	60	2.1°
	.254	.010	60 x 60	30.3	4.7	30	136	900	29.3°
Gas Oil Gravity feed 1ft. head	.025	.001	250 x 250	4.2	0.65	50	227	30 to 60	1.1° to 2.1°
	.076	.003	150 x 150	10.9	1.7	70	318	30 to 60	1.1° to 2.1°
Petrol Gravity feed 1ft. head	.076	.003	150 x 150	10.9	1.7	75	341		



TYPE 05E

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