

DESCRIPTION auto-klean® 15JP self-cleaning filters are of all-metal plate-type construction and operate on the edge-filtration principle. The filter is 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 can 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, resins greases, pulp and industrial liquids of every kind.

ELEMENTS

Diameter	38mm (1½")
Length	95mm (3¾") nett.
Mesh	.025mm (.001") .038mm (.0015") .076mm (.003") .127mm (.005") .203mm (.008") .254mm (.010") .381mm (.015") .508mm (.020")

CONNECTIONS 1" B.S.P.

PRESSURE

Maximum Working	8.79 Kg/cm ² (125 lb/in ²)
Test	17.58 Kg/cm ² (250 lb/in ²)

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

MATERIALS

Standard	Cover & Sump Internals	Aluminium Alloy Mild Steel & Brass
Special	Internals	Stainless Steel

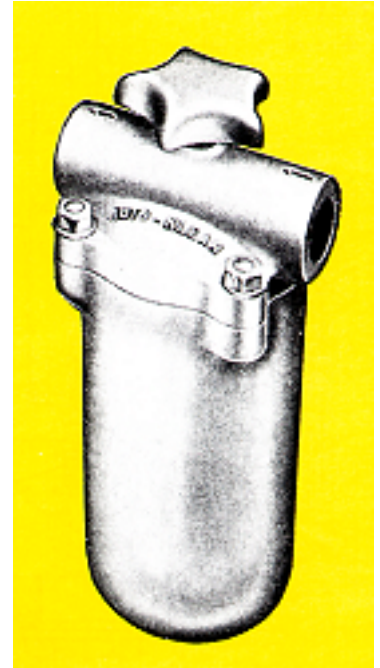
SUMP CAPACITY 230cm³ (14in³)

WEIGHT 2.5 Kg (5½lb)

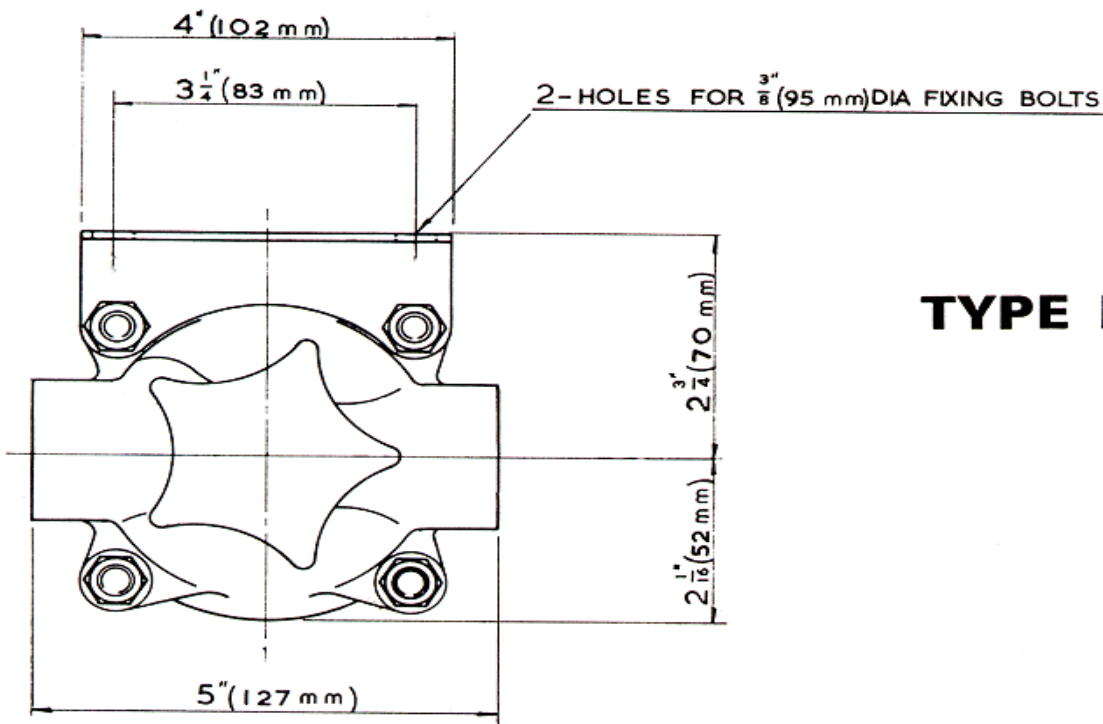
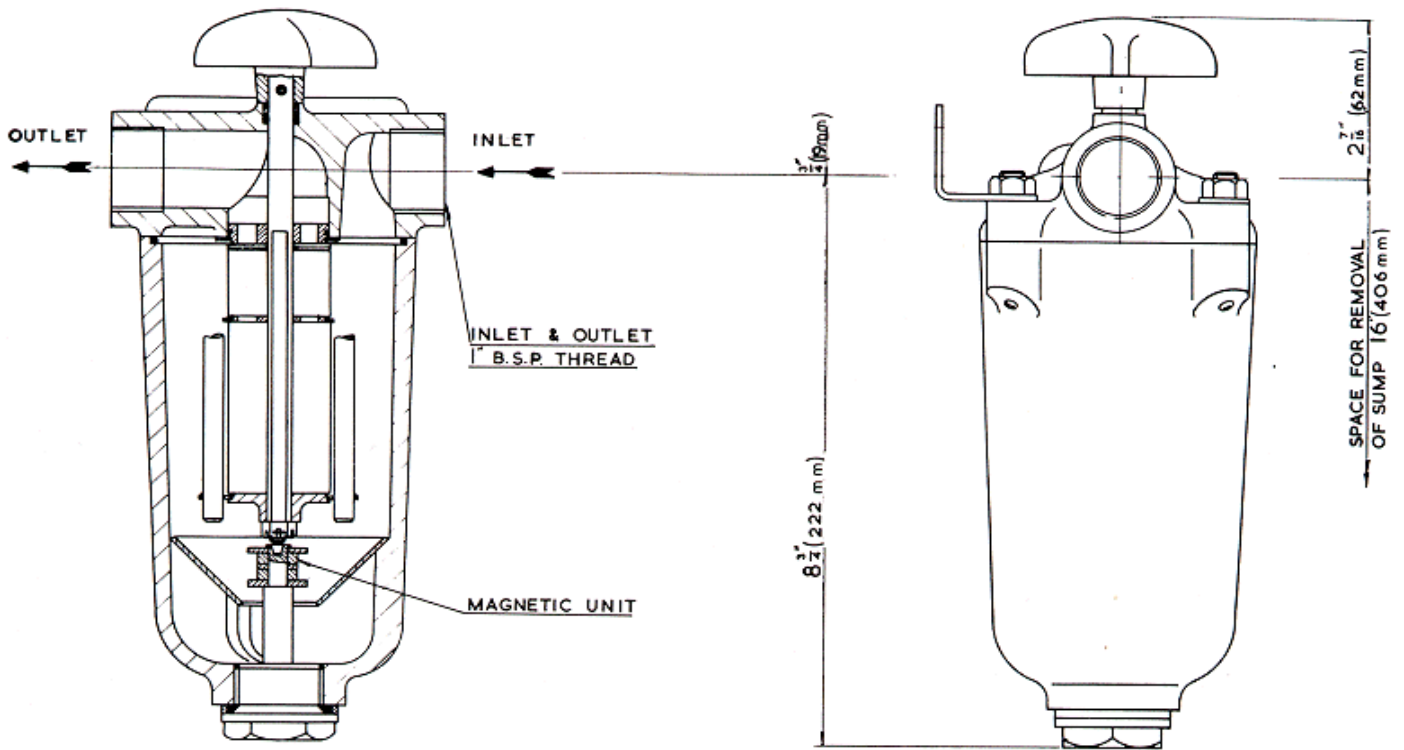
DIMENSIONS See drawing on page 2

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 0.1 to .015 Kg/cm² (1.5 to 2lb/in²) across a clean element.

Maximum flow rate for any conditions **5445 litres (1,200 gallons)** per hour.



Service	Auto-Klean Mesh		Equivalent Gauze Mesh	Free Area		Capacity						
	mm	in		cm ²	in ²	Gallons Per Hour			Litres Per Hour			
						Viscosity Seconds Redwood No.1		Viscosity Engler Degrees				
Engine Lubricating Oil Discharge	.025	.001	250 x 250	7.1	1.1							
	.038	.0015	200 x 200	10.3	1.6							
	.076	.003	150 x 150	17.4	2.7							
							250			8.1°		
Machine Tool Lub. Oil Discharge	.038	.0015	200 x 200	10.3	1.6							
	.076	.003	150 x 150	17.4	2.7							
	.127	.005	100 x 100	26.4	4.1							
							160			727		
Hydraulic Oil	.025	.001	250 x 250	7.1	1.1							
							180			818		
							370			1682		
							500			16.2°		
Diesel Fuel Oil Gravity Feed 1ft. head	.038	.0015	200 x 200	10.3	1.6							
	.076	.003	150 x 150	17.4	2.7							
	.127	.005	100 x 100	26.4	4.1							
							1000			32.5°		
Boiler Fuel Oil Suction - 2ft water gauge pressure loss	.025	.001	250 x 250	7.1	1.1							
							2000			65°		
							60			2.1°		
							150			4.9°		
Hot Discharge	.025	.001	250 x 250	7.1	1.1							
							400			1820		
							240			1090		
							35 to 60			1.3 to 2.1°		
Spray Paint	.025	.001	250 x 250	7.1	1.1							
							150			2050		
							500			16.2°		
							1000			32.5°		
Hot Discharge	.508	.020	30 x 30	65.8	10.2							
							2000			65°		
							500			2273		
							320			1455		
Hot Discharge	.127	.005	100 x 100	26.4	4.1							
	.254	.010	60 x 60	49.7	7.7							
							170			773		
							200			6.5°		
Spray Paint	.076	.003	150 x 150	17.4	2.7							
							450			2050		
							580			2640		
							40 Seconds Ford Cup No.4					
						300			1364			



TYPE M10GA

auto-klean® filtration limited

Engineers in Filtration

Unit 11a, Ascot Industrial Estate,
Lenton Street,
Sandiacre,
Notts. NG10 5DJ, U.K.

Tel. 0870 421 4206
Fax. 0870 421 4207

www.auto-kleanfiltration.co.uk
E-Mail: sales@hse-ltd.com

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