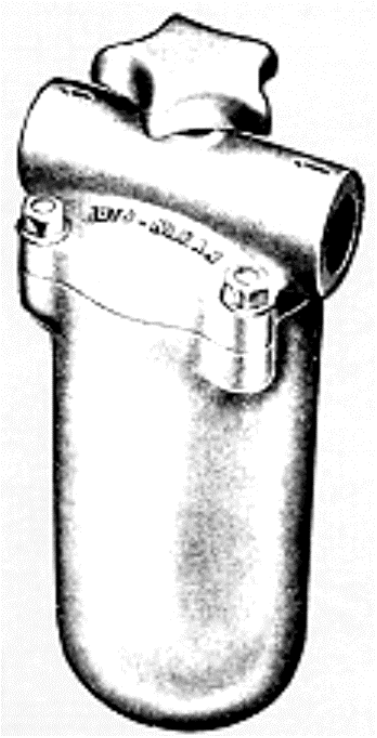
auto-klean
Filter Anything That Flows

03303 320 671 Sales@thefiltercompany.co.uk www.auto-klean.com

TYPE 10GA & M10GA

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 Aluminum Alloy
Internals Mild Steel & Brass
Special Internals - Stainless Steel

SUMP CAPACITY 230cm^3 (14in^3)

WEIGHT 2.5 Kg (5½lb)

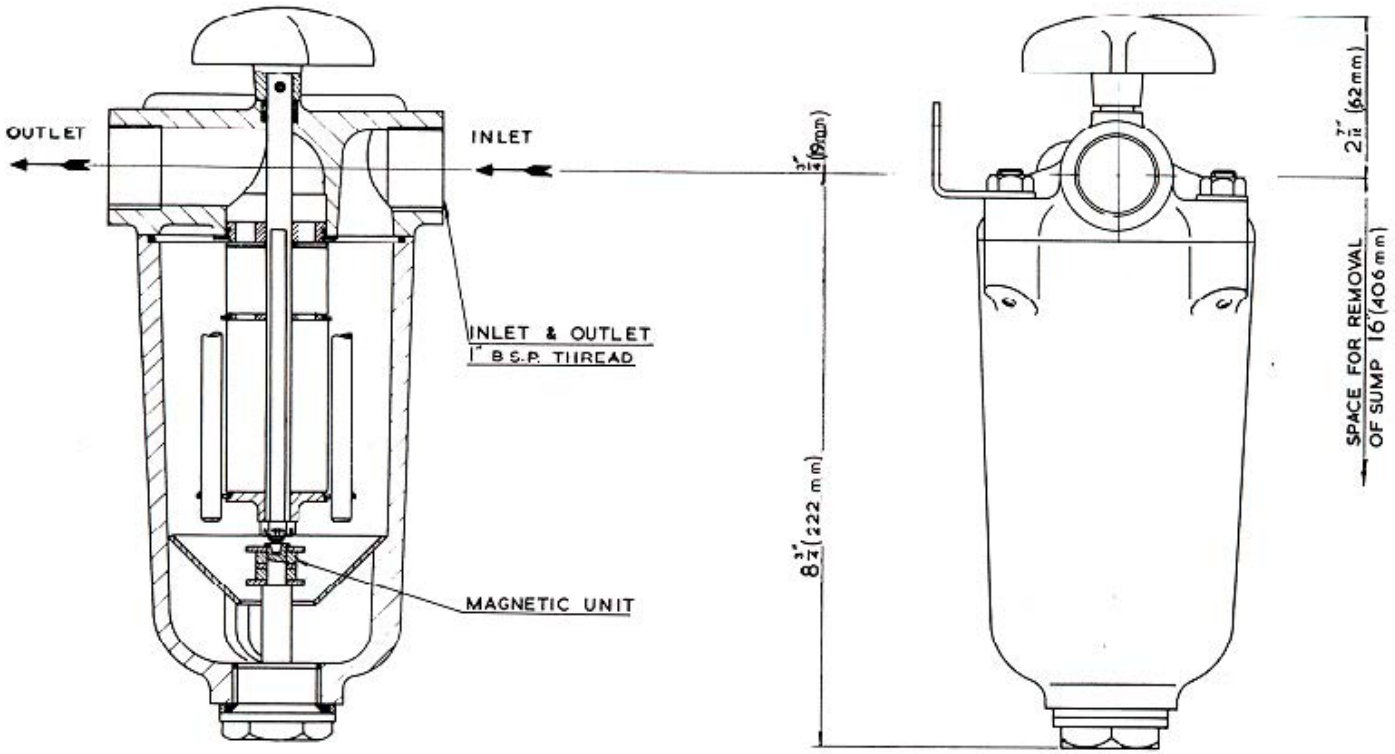
DIMENSIONS See drawing on page 2

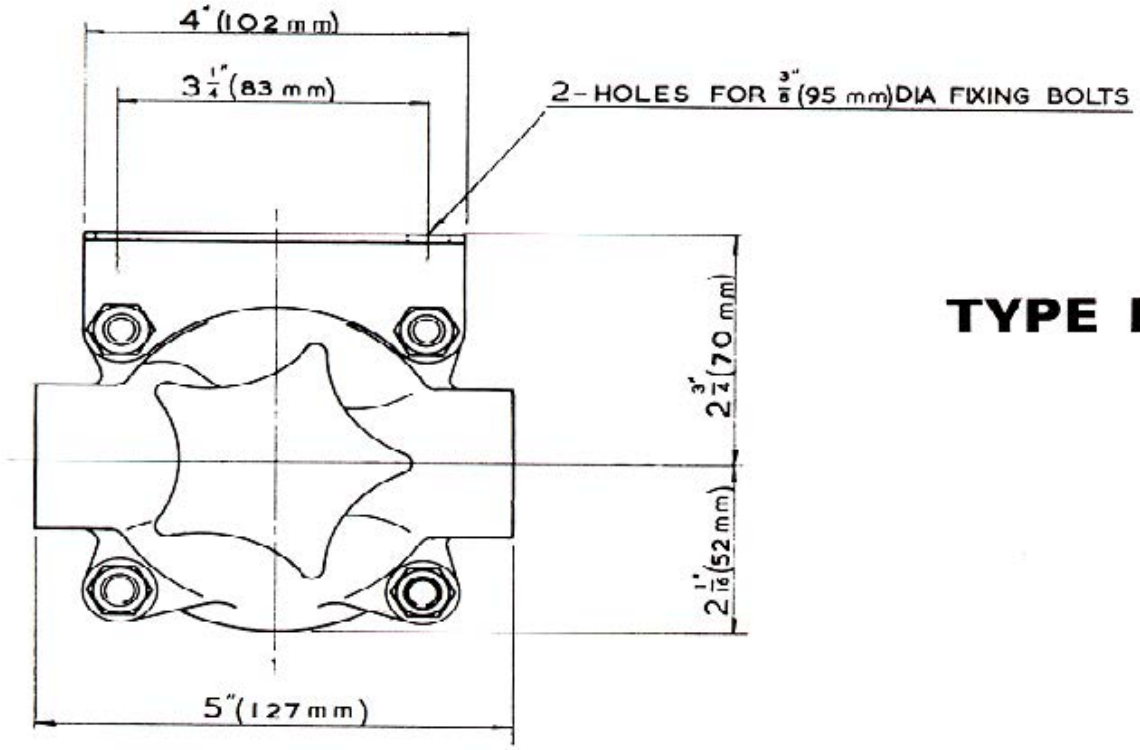
FLOW RATES The flow rates listed below cover only a limited range of applications. Capacities for other liquids and filter meshes will be quoted on request. For discharge filters the capacities are based on a pressure drop of 0.1 to .015 Kg/cm^2 (1.5 to 2lb/in^2) across a clean element.

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

TYPE 10GA & M10GA Table

Service	Auto-Klean Mesh mm	Auto-Klean Mesh in	Equivalent Gauze Mesh	Free Area cm²	Free Area in²	Capacity Gallons Per Hour	Capacity Litres Per Hour
						Viscosity Seconds Redwood No.1	**Viscosity Engler Degrees**
						250	**8.1°**
Engine Lubricating Oil Discharge	.025 .038 .076	.001 .0015 .003	250 x 250 200 x 200 150 x 150	7.1 10.3 17.4	1.1 1.6 2.7	160 180 370	727 818 1682
						500 1000 2000	**16.2° 32.5° 65°**
Machine Tool Lub. Oil Discharge	.038 .076 .127	.0015 .003 .005	200 x 200 150 x 150 100 x 100	10.3 17.4 26.4	1.6 2.7 4.1	115 60 35 290 160 85 330 225 125	523 273 159 1318 727 386 1500 1023 568
						60 150	**2.1° 4.9°**
Hydraulic Oil	.025	.001	250 x 250	7.1	1.1	400 240	1820 1090
						35 to 60	**1.3 to 2.1°**
Diesel Fuel Oil Gravity Feed 1ft. head	.025	.001	250 x 250	7.1	1.1	150	2050
						500 1000 2000	**16.2° 32.5° 65°**
Boiler Fuel Oil Suction - 2ft water gauge pressure loss	.508	.020	30 x 30	65.8	10.2	500 320 170	2273 1455 773
						200	**6.5°**
Hot Discharge	.127 .254	.005 .010	100 x 100 60 x 60	26.4 49.7	4.1 7.7	450 580	2050 2640
						40 Seconds Ford Cup No.4	
Spray Paint	.076	.003	150 x 150	17.4	2.7	300	1364


OUTLET
INLET
INLET & OUTLET
1" B.S.P. THREAD
MAGNETIC UNIT
3/4" (19 mm)
8 3/4" (222 mm)
2 7/16" (62 mm)
SPACE FOR REMOVAL OF SUMP 16" (406 mm)


4" (102 mm)
3 1/4" (83 mm)
2-HOLES FOR 3/8" (95 mm) DIA FIXING BOLTS
2 3/4" (70 mm)
2 1/16" (52 mm)
5" (127 mm)

TYPE M10GA