auto-klean
Filter Anything That Flows

TYPE 30L2

DESCRIPTION Auto-Klean 30L2 self-cleaning filters are of all-metal plate-type construction and operate on the edge-filtration principle. They are cleaned without interrupting the flow of liquid by one complete turn of the handles attached to the filter element spindles. This deposits all the solids accumulated around the elements into the filter sump. The filter bodies incoporated support brackets, pressure gauge bosses, a drain valve and sludge door as standard fittings. Magnetic inserts can be incoporated in the filter body to give additional protection against ferrous particles. These filters can be supplied with either electric motors or ratchet-drive for fully automatic or continouous cleaning. Steam-jacketed designs are available for high temperature service.

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



ELEMENTS Number 2 Diameter 3.15" (80 mm) Length 7¼" (181 mm) nett
Mesh .0015" (.038 mm), .003" (.076 mm), .005" (.127 mm)
.008" (.203 mm), .010" (.254 mm), .015" (.381 mm)
.020" (.508 mm), .040" (1.016 mm)

CONNECTIONS 3" (76.2 mm) B.S. Table E.

PRESSURE

Maximum Working	75 lb/in² (5.27 Kg/cm²)
Test	150 lb/in² (10.55 Kg/cm²)

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

MATERIALS

Standard	Body and Cover	Mild Steel
	Internals	Mild and Stainless Steel, Brass,
Special	Body and Cover	Stainless Steel, Cast Iron or Gun-metal

SUMP CAPACITY 3 gallons (13.6 litres)

WEIGHTS

Filter complete	200 lb. (90.7 Kg)
Element only	33 lb. (15.0 Kg)

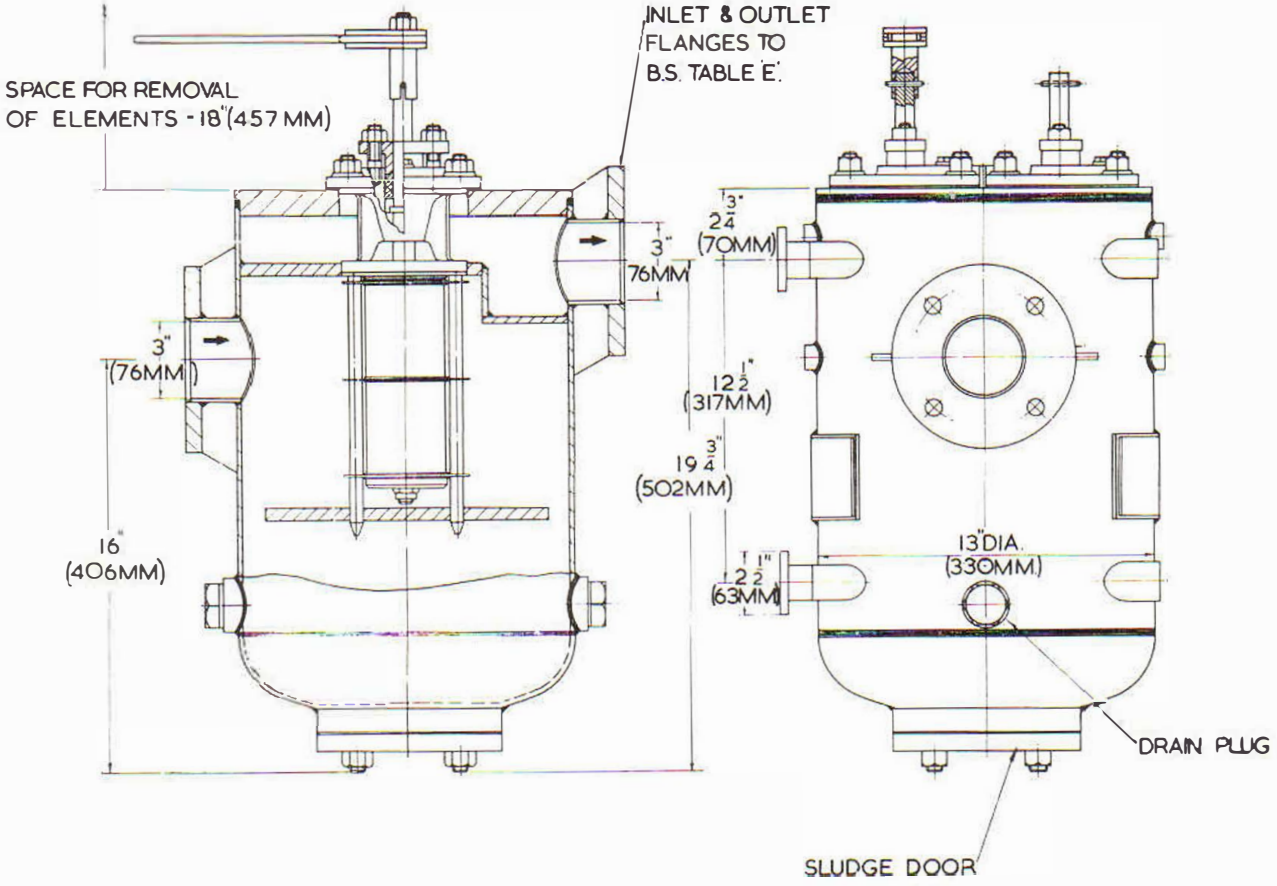
DIMENSIONS See drawing on reverse.

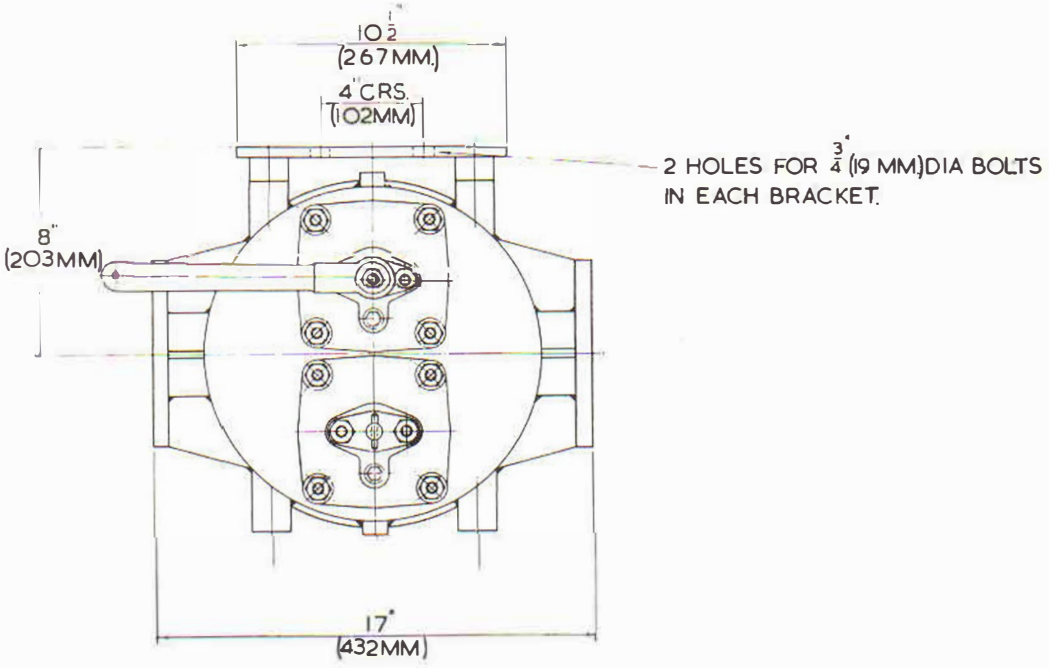
FLOW RATES The flow rates listed below cover only a limited range of applications. Capacities for other liquids and filter meshes will be quoted on request. For discharge filters the capacities are based on a pressure drop of 1½ to 2 lb/in² (0.1 to 0.15 Kg/cm²) across a clean element.

Maximum flow rate for any conditions-10,000 gallons (45.6 metres³) per hour.

Service	Auto-Klean Mesh mm	Auto-Klean Mesh in	Equivalent Gauze Mesh	Free Area cm²	Free Area in²	Capacity Gallons Per Hour			Capacity Metres³ Per Hour		
						Viscosity Seconds Redwood No.1			Viscosity Engler Degrees		
						250			8.1°		
Engine Lubricating Oil Discharge	.038 .076 .127	.0015 .003 .005	200 X 200 150 X 150 100 X 100	78.7 144.5 229.6	12.2 22.4 35.6	2100 4000 6000			9.5 18.2 27.3		
						1000		2000	32.5°		65°
Machine Tool Lub. Oil Discharge	.076 .127	.003 .005	150 X 150 100 X 100	144.5 229.6	22.4 35.6	4560 2500		720 1300	7.1 11.4		3.3 5.9
Water and Aqueous Solutions	.127 .254	.005 .010	100 X 100 60 X 60	229.6 304.4	35.6 47.2	8000 10000			36.3 45.6		

03303 320 671
Sales@thefiltercompany.co.uk
www.auto-klean.com
Unit 11a Ascot Park Estate, Lenton Street, Sandiacre, Derbyshire. NG10 5DL
VAT No. 287019177 Company Reg. No:11077293





03303 320 671
Sales@thefiltercompany.co.uk
www.auto-klean.com
Unit 11a Ascot Park Estate, Lenton Street, Sandiacre, Derbyshire. NG10 5DL
VAT No. 287019177
Company Reg. No:11077293