

DESCRIPTION auto-klean® 20J2 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 handle attached to each element spindle. This action deposits all the solids accumulated around the elements into the filter sump. The filter bodies incorporate support bosses, and a drain plug as standard fittings. A magnetic insert can be incorporated in the sump drain plug to give additional protection against ferrous particles. These filters can be supplied with electric motors or ratchet-drive for fully automatic or continuous cleaning. Steam-jacketed designs are available for high temperature service.

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

ELEMENTS

Number 2 Diameter	55.9mm (2.2")
Length	190.5mm (7½") nett.
Mesh	.038mm (.0015") .076mm (.003") .127mm (.005") .203mm (.008") .254mm (.010") .381mm (.015") .508mm (.020") 1.016mm (.040")

CONNECTIONS Standard 50.8mm (3") to B.S.Table E.

PRESSURE Maximum Working 3.52Kg/cm² (50lb/in²)
Test 7.0Kg/cm² (100lb/in²)
Filters suitable for operation at higher pressures can be supplied if required.

MATERIALS Standard Body & Cover Cast Iron
Internals Mild & Stainless Steel, Brass

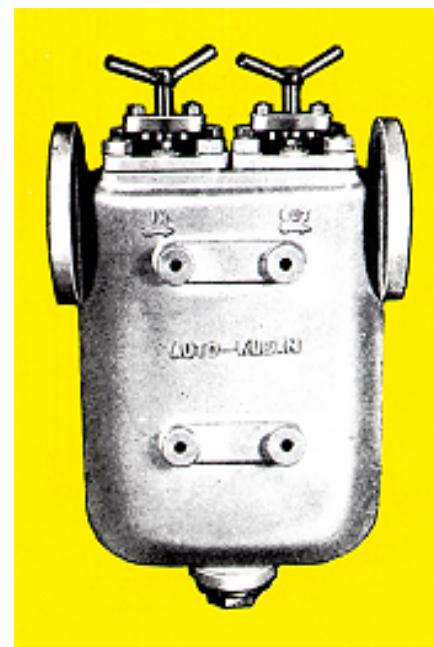
SUMP CAPACITY 1litre (62 cubic inches)

WEIGHT 34kg (75lb)
Element only 15kg (33lb)

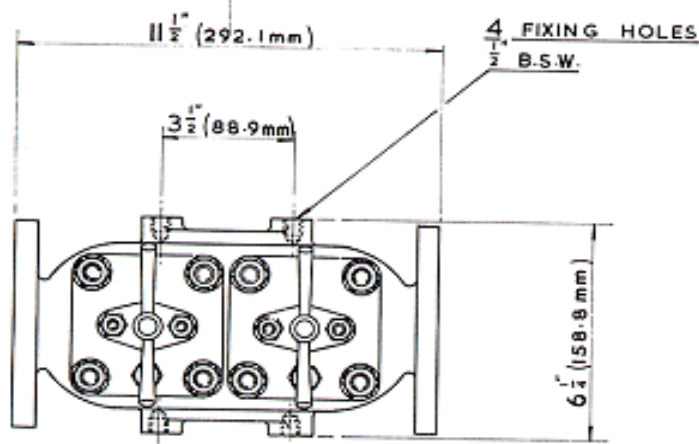
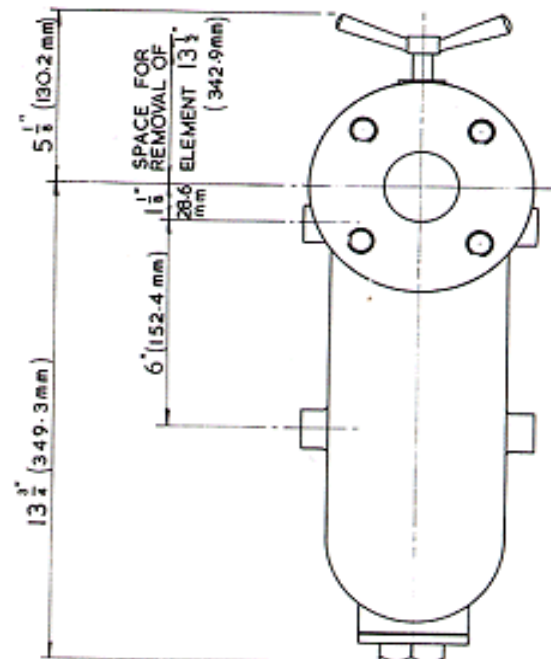
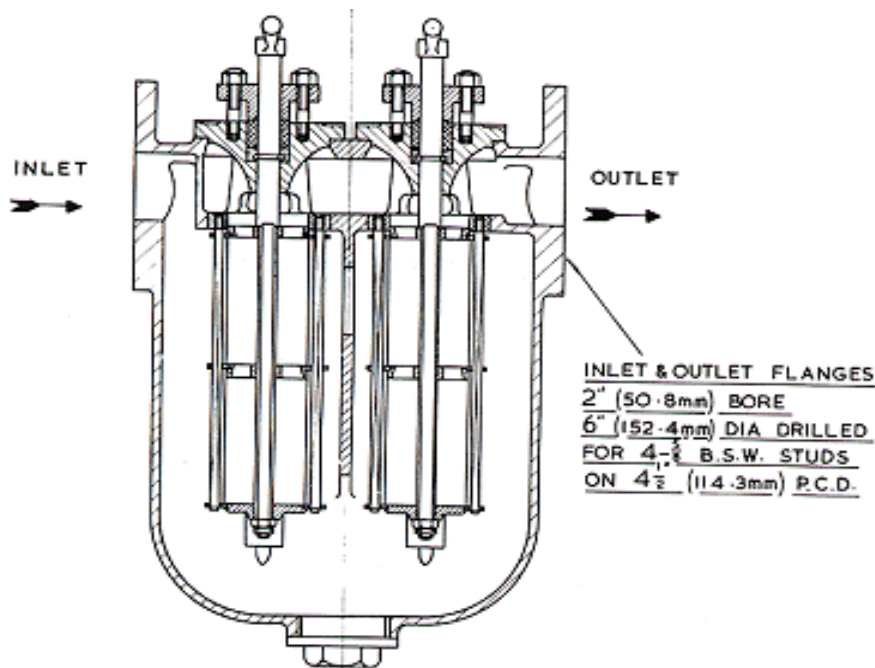
DIMENSIONS See drawing on page 2

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 **22.7 metres³ (5,000 gallons) per hour.**



Service	Auto-Klean Mesh		Equivalent Gauze Mesh	Free Area		Capacity					
	mm	in		cm ²	in ²	Gallons Per Hour			Metres ³ Per Hour		
						Viscosity Seconds Redwood No.1			Viscosity Engler Degrees		
Engine Lubricating Oil Discharge	.038	.0015	200 x 200	55.5	8.6	250			8.1°		
	.076	.003	150 x 150	99.3	15.4	2100			9.5		
	.127	.005	100 x 100	149.6	23.2	4000			18.2		
					6000			27.3			
Machine Tool Lub. Oil Discharge	.076	.003	150 x 150	99.3	15.4	500	1000	2000	16.3°	32.6°	65.2°
	.127	.005	100 x 100	149.6	23.2	4560	4560	720	7.1	7.1	3.3
					2500			11.4 11.4 5.9			
Diesel Fuel Gravity Feed 1 ft. head	.038	.0015	200 x 200	55.5	8.6	35 to 60			1.3° to 2.1°		
	.076	.003	150 x 150	99.3	15.4	8000			36.3		
					10000			45.6			
Boiler Fuel Discharge	.127	.005	100 x 100	149.6	23.2	Up to 200			Up to 6.5°		
	.254	.010	60 x 60	237.4	36.8	8000			36.3		
					10000			45.6			
Paints & Elements Discharge	.038	.0015	200 x 200	55.5	8.6	Ford Cup No.4					
	.076	.003	150 x 150	99.3	15.4	5	38	120	5	38	120
					4560			7.1 7.1 3.3			
Water and Aqueous Solutions	.127	.005	100 x 100	149.6	23.2	8000			36.3		
	.254	.010	60 x 60	237.4	36.8	10000			45.6		



TYPE 20 J2

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