auto-klean
Filter Anything That Flows

TYPES 20L, 25L, 30L

DESCRIPTION auto-klean® 20L, 25L and 30L 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 the element spindle. This action deposits all the solids accumulated around the element into the filter sump. The filter bodies incorporate support brackets, pressure gauge bosses, a drain valve and a sludge door as standard fittings. When required magnetic inserts are incorporated in the filter body to give additional protection against micronic ferrous particles. These filters can be supplied with electric motors or ratchet-drive for continuous cleaning.

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



ELEMENT

Diameter	80mm (3.15")
Length	181mm (71/8 ") nett.
Mesh	.038mm (.0015") .076mm (.003") .127mm (.005") .203mm (.008") .254mm (.010") .508mm (.020") 1.016mm (.040")

CONNECTIONS

Standard	50.8mm (2"), 63.5mm (2½"), 76.2mm (3") to B.S. Table E 50.8mm (2"), 63.5mm (2½"), 76.2mm (3") to B.S. Tables H, J or K
Special	

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

MATERIALS

Standard	Body & Internals	Mild & Stainless Steel, Brass
Special	Body & Cover	Mild or Stainless Steel, Aluminium Alloy

SUMP CAPACITY 3.6 litres (220in3)

WEIGHT Filter complete 68 Kg (150lb) Element only 15 Kg (33lb)

DIMENSIONS See drawing on page 3

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 metres 3 (5,000 gallons)** per hour..

03303 320 671 Sales@hse-ltd.corn www.hse-ltd.com

Unit 11a Ascot Park Estate, Lenton Street, Sandiacre, Derbyshire. NG10 5DL

VAT No. 287019177 Company Reg.No:11077293

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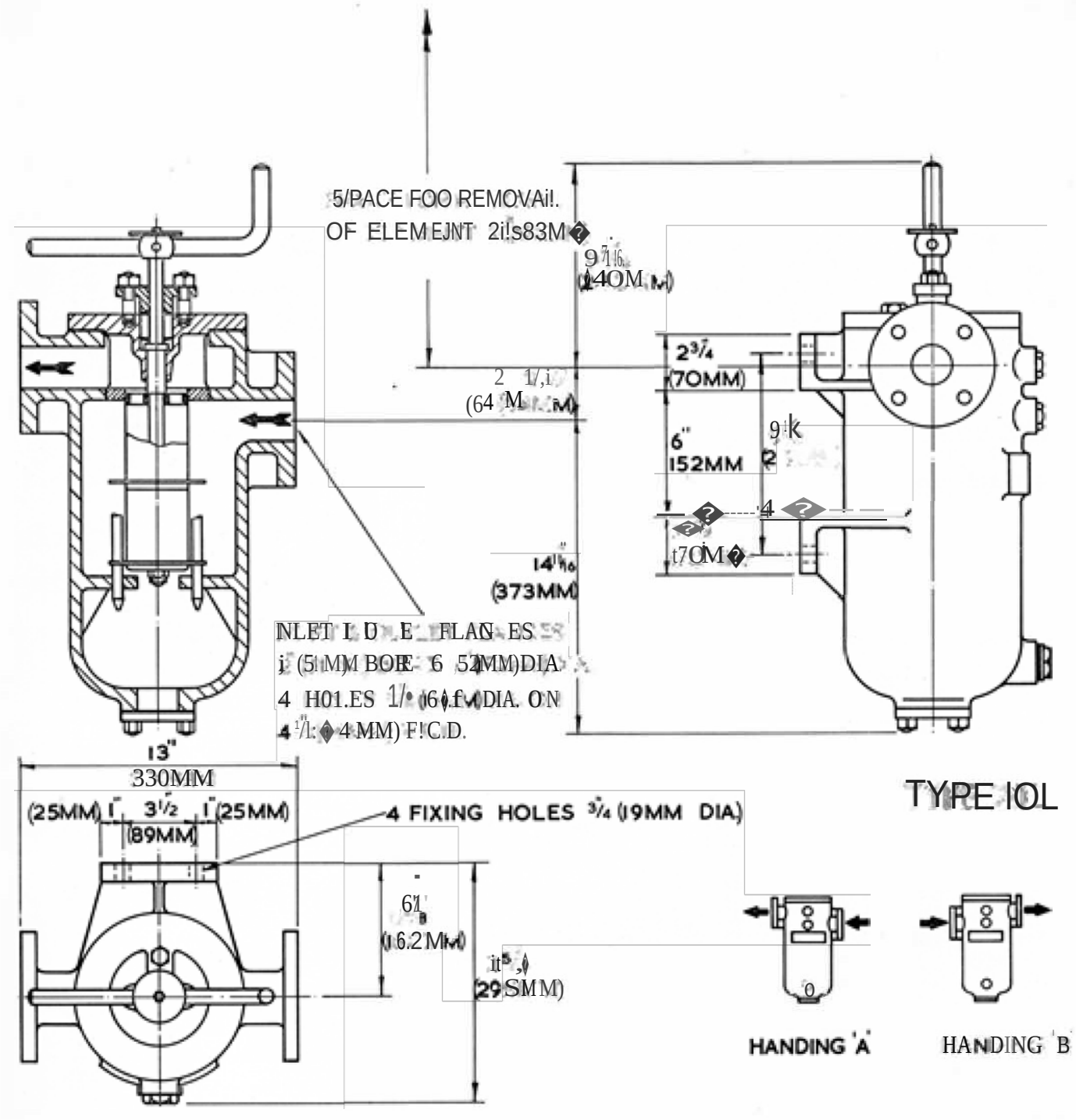
Service	Auto-Klean Mesh mm	Auto-Klean Mesh in	Equivalent Gauze Mesh	Free Area cm²	Free Area in²	Capacity Gallons Per Hour			Capacity Litres Per Hour		
						Viscosity Seconds Redwood No.1			Viscosity Engler Degrees		
						250			8.1 °		
Engine Lubricating Oil Discharge	.038 .076 .127	.0015 .003 .005	200 x 200 150 x 150 100 x 100	30.3 56.1 83.2	4.7 8.7 12.9	1050 2000 3000			4773 9092 13638		
						50 0	1000	2000	16.2 °	32.5°	65 °
Machine Tool Lubricating Oil Discharge	.076 .127	.003 .005	150 x 150 100 x 100	56.1 83.2	8.7 12.9	1200 2100	780 1250	360 650	5455 9547	3546 5683	1637 2960
						35 to 60			1.3° to 2.1°		
Diesel Fuel Oil Gravity Feed 1ft. head	.038 .076	.0015 .003	200 x 200 150 x 150	30.3 56.1	4.7 8.7	1100 1900			5000 8640		
						100 0	2000	3000	32.5 °	65°	98 °
Boiler Fuel Oil Discharge	.127 .254	.005 .010	100 x 100 60 x 60	74.8 118.7	11.6 18.4	1600 1850	850 1000	600 700	7274 8410	3864 4550	2730 3180
						Up to 200			Up to 5.7°		
Hot Discharge	.254	.010	60 x 60	23.2	149.6	4000			4000		
						Ford Cup No. 4					
						5	38	120	5	38	120
Paints & Enamels Discharge	.038 .076 .127 .127 .508	.0015 .003 .005 .005 .020	200 x 200 150 x 150 100 x 100 100 x 100 30 x 30	30.3 56.1 83.2 83.2 208.3	4.7 8.7 12.9 12.9 32.3	2000 2500 3000	450 1350 1620	250 550 900	9090 11363 13636	2045 6136 7363	1140 2500 4100
Water and Aqueous Solutions							4000 5000			18180 22700	

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TYPE IOL

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