



TYPES E15003 E15006 E15009

DESCRIPTION **auto-klean® klariflo®** filters E15003, E15006, E15009 give clarification to micronic limits. Exceptional life and dirt holding capacity are achieved by true depth filtration. The elements are retained in position within the filter by means of a single nut thus facilitating quick and easy removal. This method of construction allows the unit to be dismantled with the minimum of labour when thorough cleaning and element replacement are required. The base containing the inlet and outlet ports, has four bosses, drilled and tapped, for floor bracket mounting. Both top and bottom joints are groove retained and are available in various materials.

The specification to which **auto-klean® klariflo®** filters are manufactured depends upon the application. They are, therefore, suitable for the clarification of a wide range of liquids and gases with varying conditions of temperatures and pressure

APPLICATIONS Chemicals generally, water applications including drinking and photographic use, beverages and food products, bright quenching and cutting fluids, compressed air, plating solutions, oils and distillates.

ELEMENTS

| | |
|-----------------|---|
| Diameter | 63mm (2.5") |
| Length | 254mm (10") |
| Density Grading | 1,2,3,5,7,10,15,20,30,40,50,75,100 microns |
| Filter Media | Bleached Cotton, Polypropylene, Glass Fibre |

CONNECTIONS 1½" B.S.P. Female Parallel.

PRESSURE

| | |
|---------|---------------------------------|
| Working | 7 bar (100lb/in ²) |
| Test | 14 bar (200lb/in ²) |

TEMPERATURE Maximum 120°C (250°F)
Special designs are available for higher temperatures.

MATERIALS

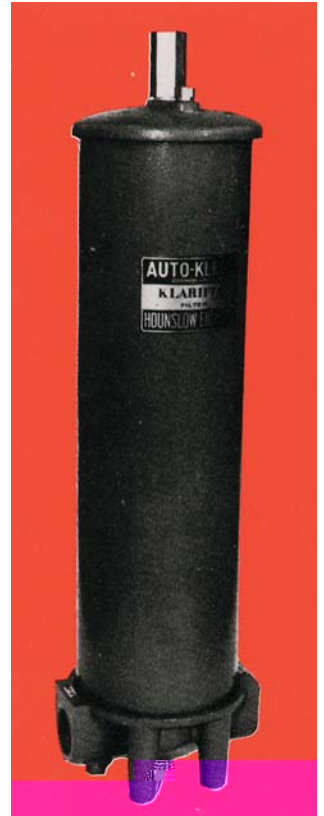
| | | |
|----------|----------------------|-----------------|
| Standard | Body Tube | Mild Steel |
| | Covers | Cast Iron |
| or | Body Tube and Covers | Stainless Steel |

BODY CAPACITY See drawing and table on page 2.

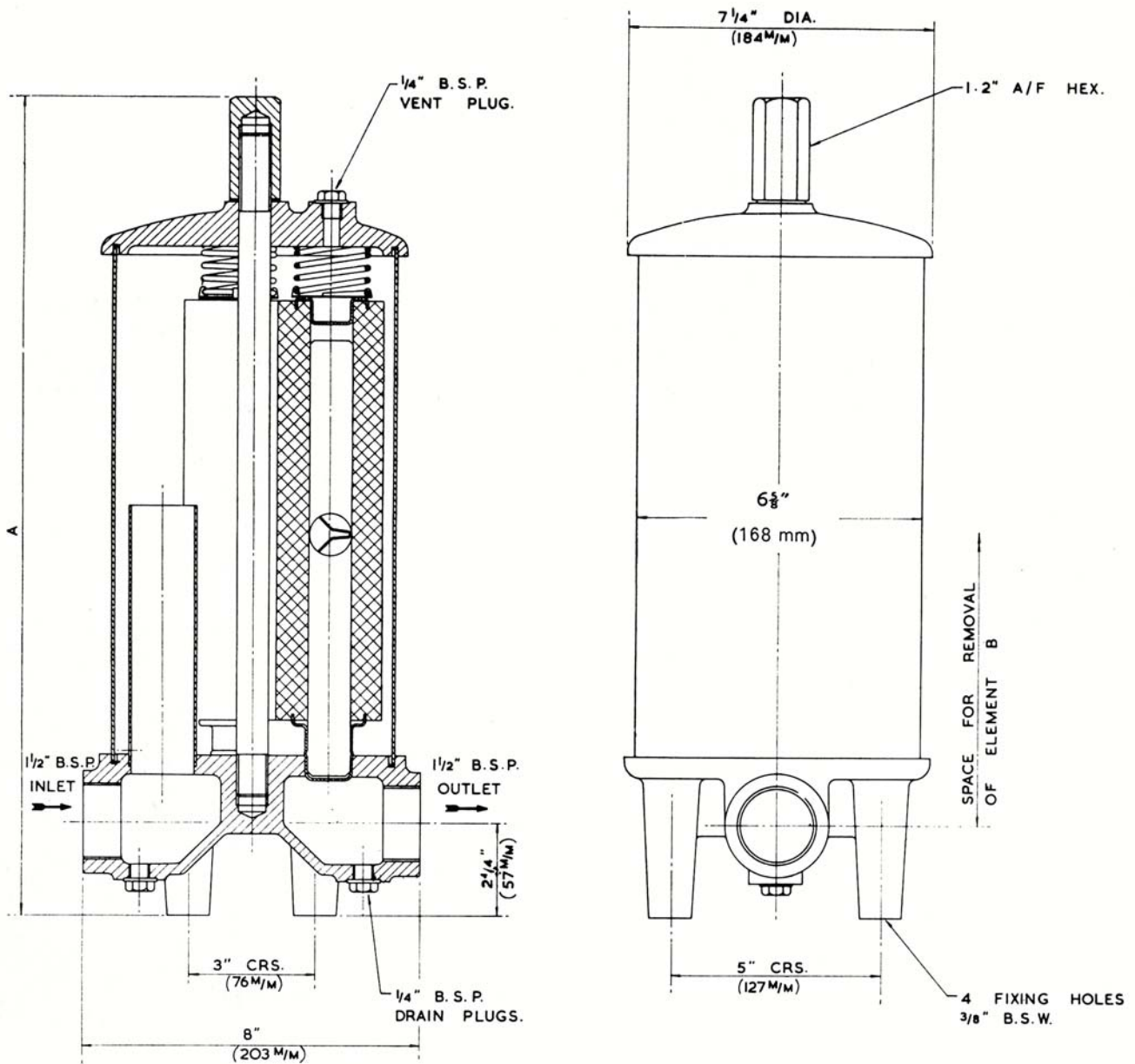
WEIGHT E15003 - 15.5Kg (35lbs) E20018 - 20Kg (44lbs)
E15009 - 23.1Kg (51lbs)

DIMENSIONS See table on page 2

FLOW RATES The flow rates listed below are for a Cotton filtering medium and are based on an initial pressure drop of 0.2 bar (3lb/in²) across a clean element.



| Service | Type | Viscosity | | Capacity | | | | | | | |
|-----------------------------|--------|----------------------|----------------|---------------------------|------|------|------|-----------------|------|-------|-------|
| | | Seconds Redwood No.1 | Degrees Engler | Gallons Per Hour | | | | Litres Per Hour | | | |
| | | | | Density Grading - Microns | | | | | | | |
| | | | | 1 | 5 | 10 | 20 | 1 | 5 | 10 | 20 |
| Water and Aqueous Solutions | E15003 | - | - | 110 | 510 | 900 | 900 | 500 | 2320 | 4090 | 4090 |
| | E15006 | - | - | 220 | 1020 | 1800 | 1800 | 1000 | 4640 | 8180 | 8180 |
| | E15009 | - | - | 330 | 1530 | 2700 | 2700 | 1500 | 6960 | 12270 | 12270 |
| Viscous Liquids | E15003 | 50 | 1.75° | 21 | 210 | 600 | 900 | 95 | 950 | 2730 | 4090 |
| | | 100 | 3.3° | 8 | 90 | 240 | 450 | 35 | 410 | 1090 | 2040 |
| | | 250 | 8.1° | - | 30 | 75 | 210 | - | 315 | 340 | 940 |
| | E15006 | 50 | 1.75° | 42 | 420 | 1200 | 1800 | 190 | 1900 | 5450 | 8180 |
| | | 100 | 3.3° | 15 | 180 | 480 | 900 | 70 | 820 | 2180 | 4090 |
| | | 250 | 8.1° | - | 60 | 150 | 420 | - | 275 | 680 | 1910 |
| | E15009 | 50 | 1.75° | 63 | 630 | 1800 | 2700 | 285 | 2850 | 8180 | 12270 |
| | | 100 | 3.3° | 23 | 270 | 720 | 1350 | 105 | 1230 | 3270 | 6130 |
| | | 250 | 8.1° | - | 90 | 225 | 630 | - | 410 | 1020 | 2860 |



TYPES E15003, E15006, E15009

| Type | Elements | | | Dimensions | | | | Body Capacity | |
|--------|----------|---------------|------------------|------------|------|--------|------|---------------|--------|
| | Number | Positioned Up | Positioned Round | in | A mm | in | B mm | Gallons | Litres |
| E15003 | 3 | 1 | 3 | 19 7/8 | 505 | 27 1/4 | 692 | 1.2 | 5.5 |
| E15006 | 6 | 2 | 3 | 30 | 762 | 37 3/4 | 959 | 1.8 | 8.2 |
| E15009 | 9 | 3 | 3 | 40 | 1016 | 51 1/2 | 1308 | 2.5 | 11.4 |

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