



FILTER ELEMENTS

DESCRIPTION **auto-klean® klariflo®** have been developed to meet the many new and complex problems which modern filtration presents. These elements provide true depth filtration and clarification to controlled density gradings from 1 to 100 microns.

Special high-pressure versions of other **auto-klean® klariflo®** filters, can be designed to specific requirements. These filters are, therefore, suitable for the clarification of a wide range of liquids and gases with varying conditions of temperature and pressure.

The elements have a perforated centre core around which fibres are wound to a predetermined pattern. The density grading of this winding being precision controlled, accurately determines the size of the particles which can be removed. The cores are made from selected materials to suit the product filtered, the process temperature and, in the same way, the fibres utilised are also varied to suit specific applications.

The filtering efficiency of **auto-klean® klariflo®** filter elements is due to true depth not just surface filtration, for as the fluid passes through the filtering media it encounters declining passages which remove progressively smaller particles.

Each element has hundreds of these precision controlled filtering passages engineered for exact uniformity of size, shape, depth and density. This unique construction provides inner storage cells with a high dirt holding capacity averaging 250 grams per element, thus eliminating the binding effects caused by surface loading.

The elements are robust in construction assuring a non-rupturing filter surface and at the same time are not easily subject to damage in shipping, handling, or any surface pressure shock loading. The wide range of materials used in the manufacture of **auto-klean® klariflo®** filter elements results in a filter of extreme versatility, which is therefore suitable for clarification in the vast field of liquids and gases, at the extremes of pressure and temperature.

FILTER MEDIA **Bleached Cotton** - bleached to pharmaceutical specifications for potable liquids, dilute acids, dilute alkalis, organic solvents and gases. Temperature 150°C (300°F).

Polypropylene - suitable for water, many other solvents and chemicals. resists bacterial attack. Temperature 60°C (140°F).

Glass Fibre - for concentrated strong acids. Temperature 400°C (750°F).

Nylon - for concentrated strong alkalis, steam, solvents. Temperature 180°C (350°F).

CENTRE CORES **Plated Steel** - for general purpose use.

Stainless Steel - where required.

Polypropylene - for acids and special purpose applications.



DENSITY GRADINGS 1,2,3,5,7,10,15,20,30,40,50,75,100 microns.

DIMENSIONS **Lengths** - 25.4 cm (10"), 50.8cm (20"), 76.2cm (30")

Standard - O.D. 6.35cm (2½") with I.D. 2.54cm (1")

Special lengths, O.Ds and I.Ds manufactured to order.

RESISTANCE **Acid** - GLASS FIBRE Concentrated Acids
COTTON Dilute Acids

Alkaline - NYLON Concentrated Alkalis
COTTON Dilute Alkalis

PACKAGED Individually wrapped in cartons of 10, 20 or 30 elements.

auto-klean® filtration limited

Engineers in Filtration

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