



**VOKES**

## Microfelt Filter Cartridges

VOKES Microfelt cartridges are designed for the fine filtration of fuel and lubricating oils, along with other fluids including hydraulic oils and glycol. Manufactured from a range of specially selected synthetic felt media, Microfelt cartridges have excellent depth filtration characteristics and a high dirt holding capacity. Cartridge integrity and filtration performance relies on design features which include welded media seams, filter media bonded to the end caps and the fitting of leak proof seals. Manufactured to high quality control standards, all filter media is batch tested for filtration performance and metal components deburred.

Microfelt cartridges are available in 10 standard sizes and can be used in multiple cartridge vessels with flow rates typically up to 300m<sup>3</sup>/h in lubricating oil systems. There are four basic specifications including cartridges capable of withstanding high collapse pressures, high temperatures and chemically aggressive contaminants. Microfelt cartridges are disposable, ensuring that all collected contaminants are removed from the system when the cartridges are renewed.

### Applications

Microfelt cartridges are suitable for use in VOKES filter housings and other selected filter units on request. They are designed for applications including the fuel and lubricating oil filters of medium and high speed diesel engines, gas turbines and heavy machinery.

### Key Features

- High dirt holding capability to ensure long service life.
- High quality filter media, unaffected by water, salt or engine acids.
- Positive spacing between media pleats, ensures efficient use of filtration area.
- High frequency welding of media seams, eliminates the risk of channelling.
- Filter media and end caps bonded together to prevent leak paths.
- All filter media is batch tested for filtration performance.
- Metal components deburred to remove any loose metal particles.
- All metal components protected by a corrosion resistant paint finish.
- Mechanically secured sealing rings provide a leak proof seal at each end of the cartridge.

### Range

#### Standard Cartridge

The standard Microfelt cartridge is designed to operate up to 120°C (250°F). They will withstand collapse pressures up to 10 bar and burst pressures up to 6 bar.

#### High Temperature Specification

A High Collapse type cartridge, capable of operating at up to 160°C (320°F) in fuel oil applications.

#### Aggressive Fluid Specification

A High Collapse type cartridge, capable of operating at up to 120°C (250°F) with fluids such as lubricating oil contaminated with ammonia and other selected synthetic lubricants. All metal components have a phosphate finish.



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*Filtration Technology*