



# Microfine Filter Cartridges

## Introduction

Vokes Microfine filter cartridges are designed for the ultra-fine filtration of hydraulic, lubrication and light fuel oils. Manufactured from specially selected micro-glass media, the semi-depth filtration characteristic of the cartridges provide the optimum combination of high dirt holding capacity and fine filtration performance. The inorganic nature of the filter media and high standard of protection given to metal components means that Microfine cartridges are unaffected by water and aggressive chemical contaminants.

They are designed as disposable filter cartridges which ensures that all collected contaminants are removed from the system at each cartridge renewal. Available in a range of flow capacities between 3 and 50m<sup>3</sup>/h, their high flow characteristics relative to their size means that they are extremely compact in comparison with other filter cartridges. Vokes Microfine complement the Vokes range of Microfelt cartridges and in some instances are interchangeable.

## Applications

Vokes Microfine filter cartridges are suitable for use in a wide range of Vokes filter housings and other selected filter units upon request. They can be used in a wide range of applications including hydraulic systems, compressors, power transmissions, turbines and diesel engines.

## Key Features

Vokes Microfine cartridges exhibit the following features essential to high standards of filter integrity and performance:

- Specially selected and graded micro-glass media subjected to critical quality control.
- Media pleated to provide the maximum surface area and consequently high dirt holding capacity.
- Media pleats positively spaced and supported to maximise the filtration area under all flow conditions giving high flow and low pressure drop characteristics.

- The pleated filter media is seam bonded and bonded into deep metal end caps using a generous layer of polymer cement to avoid any risk of leak paths.
- All metal components are deburred and treated with a corrosion resistant electrophoretic paint system.
- Nitrile rubber seals positively seal the cartridges into their filter housings.

## Performance

ISO 16889 multipass test performance.

Filter Grade

10 micron	$\beta_{10} > 200$
20 micron	$\beta_{20} > 200$



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