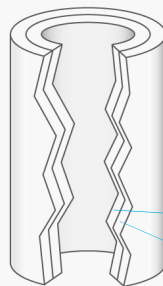
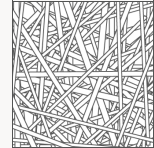


# Disposable Microfibre Filter Elements

Disposable bonded microfibre filter elements are manufactured from precise mixtures of borosilicate glass microfibres to the very highest standards of quality control. These elements offer exceptional filtration efficiency at very low pressure drops and being +90% void volume they give a very long service life.

The elements are bonded to impart high strength and eliminate fibre shedding and the choice between the different binders available will depend on each application. Disposable elements are self-gasketing and sealed into a filter housing by axial compression.



There are two types of filter element available, particulate and coalescing. The particulate filter elements use a single layer of filter media whereas coalescing elements have a fine capture layer and a coarse drainage layer.

Fine inner capture layer

Coarse outer drainage layer

The coarsest grade that will adequately protect the application should be chosen as this will result in the most economical solution to the contamination problem by extending the service life. Disposable bonded microfibre filter elements are suitable for both gas and liquid applications. Support cores are recommended for liquid applications.

## Particulate Applications

**E Type** filter elements use an epoxy ester binder and are suitable for all general purpose particulate removal applications in non-corrosive gases and liquids.

**K Type** elements use a PVDF binder and are specified where corrosive gases and liquids are to be filtered as they have excellent chemical resistance. They are also used where highly reactive gases are being analysed since they exhibit very low levels of adsorption.

**S Type** particulate filter elements are completely inorganic and use a silica binder. These elements can be used at temperatures up to 500°C and are suitable for use in applications where solvents are present.

**L Type** elements have a hydrophobic silicone binder making them ideal for applications with steam sterilisation. The hydrophobic binder prevents the pores being filled with condensate. The maximum temperature is 200°C.

## Coalescing Applications

**CE Type** coalescing filter elements use an epoxy ester binder and are suitable for particulate and aerosol removal applications in non-corrosive gases. They are suited for general compressed air coalescing applications.

**CK Type** coalescing elements use the PVDF binder and are specified where corrosive gases are to be filtered as they have excellent chemical resistance. They are also used where highly reactive gases are being analysed since they exhibit very low levels of adsorption.

**CS Type** coalescing filter elements are completely inorganic and use a silica binder. They can be used at up to 500°C and are especially suitable for use in vacuum pump exhaust coalescing applications.

**CR Type** coalescing elements have exactly the same properties as the CK type, but with the addition of a mesh screen imbedded in the filter element to increase the strength. These elements are used in high flow applications.