

### Disposable 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-sealing and sealed into a filter housing by axial compression.

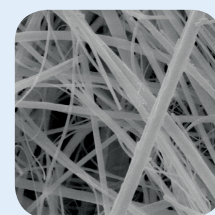
### Coalescing or Particulate Applications

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.

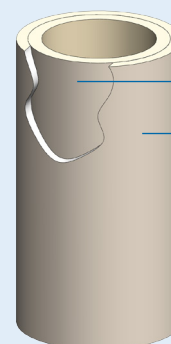
The coarsest grade that will adequately protect the application should be chosen as this will result in the most economical solution to the contamination problem by extending the service life. Disposable bonded microfibre filter elements are suitable for both gas and liquid applications.



Particulate Filter Element



Glass Microfibres



Fine inner capture layer  
Coarse outer drainage layer  
Coalescing Filter Element

#### Binder Types

##### Particulate Applications

<b>E</b>	Epoxy ester binder suitable for all general purpose particulate removal applications in non-corrosive gases and liquids
<b>K</b>	PVDF binder has an excellent chemical resistance for use with corrosive gases and liquids. Very low levels of adsorption.
<b>S</b>	Silica binder giving a completely inorganic filter element. For high temperatures and solvent applications.
<b>L</b>	Silicone binder is hydrophobic and prevents the pores being filled with condensate. The maximum temperature is 200°C

##### Coalescing Applications

<b>CE</b>	Epoxy ester binder suitable for all general purpose aerosol and particulate removal applications in non-corrosive gases
<b>CK</b>	PVDF binder has an excellent chemical resistance for use with corrosive gases. Very low levels of adsorption
<b>CR</b>	PVDF binder as above with the addition of a reinforcing mesh embedded within the structure
<b>CS</b>	Silica binder giving a completely inorganic filter element. For high temperatures and solvent applications.
<b>W</b>	Silicone binder is hydrophobic and prevents the pores being filled with condensate. The maximum temperature is 200°C





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