

# DISPOSABLE FILTER ELEMENTS

- Complete Removal Of Sub-Micron Contaminants
- High Efficiency Coalescing
- Completely Disposable
- Suitable For Corrosive Applications
- High Flow Rates, Low Pressure Drops
- Custom Sizes Available
- Suitable For Highly Absorbent Gases
- Gas Or Liquid Service



**Our Microfiber disposable filter elements** are manufactured from precise mixtures of borosilicate glass microfibers to the very highest standards. These elements offer exceptional filtration efficiency at very low-pressure drops and being +90% void volume give very long service life.

The elements are bonded to impart high strength and eliminate fiber shedding. The choice between the different binders available will depend upon the application. Each type of element is available in a wide range of efficiencies covering the complete range from coarse bulk contamination removal (grade 80) to essentially complete removal of sub-micron contaminates.

<b>C Grade</b>	Elements are specifically designed for the removal of liquid aerosols and particulate from gases in both corrosive and non-corrosive applications.
<b>K Grade</b>	Elements are specified for particulate removal where corrosive gases and liquids are to be filtered as they have excellent chemical resistance. They are also used when highly reactive gases are being analyzed since they exhibit very low levels of adsorption.

<b>CS Grade</b>	Elements are designed for high temperature coalescing applications good to 900 F. <b>Excellent for heavy coalescing.</b>
<b>RC Grade</b>	Elements are designed for high pressure coalescing applications. These elements consist of a borosilicate glass inner layer sandwiched between two, rayon/phenolic layers. The reinforced inner/outer layers provide excellent strength.

<b>S Grade</b>	Elements are completely organic and are used to filter particulate at temperatures from 300 F to 900 F. The <b>S21-R Type</b> are used in diesel emission applications.
<b>ET Grade</b>	Elements are hydrocarbon-free filters developed to remove particulate for automotive emission testing up to 400 F.

<b>Standard Grade</b>	Elements are suitable for all particulate removal applications in non-corrosive gases and liquids. 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.
<b>L Grade</b>	Elements have a hydrophobic binder, making them ideal for applications where sterilization is required.



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## Principle Specifications

Element Grade	Binder Type	Maximum Temperature ( F )	Grade designations, removal of 0.01 micron particles or particles and aerosols					
			99.99998%	+99.9999%	+99.99%	+99.5%	+95%	+75%
C Grade	PVDF Fluorocarbon Resin	300	30C	40C	50C	60C	70C	80C
K Grade	PVDF Fluorocarbon Resin	300	30K	40K	50K	60K	70K	80K
CS Grade	Silica Inorganic Resin	900	30CS	40CS	50CS	60CS	70CS	80CS
RC Grade	Phenolic Resin	250	N/A	N/A	RC1	N/A	RC	N/A
S Grade S21-R Grade	Silica Inorganic Resin	900	30S	40S	50S	60S	70S	80S
ET Grade	PVDF Proprietary	400	30ET	40ET	50ET	60ET	70ET	80ET
Standard Grade	Epoxy Ester Resin	300	30	40	50	60	70	80
L Grade	Silicone Resin	400	N/A	40L	N/A	60L	N/A	N/A

### Principle Dimensions

All disposable filter elements have a part number arranged with three figures, e.g. 25-64-70C. The first part refers to the inside diameter, the second figure refers to the overall length and the third part refers to the grade designation. Replace the 'XX' in the part numbers with the grade designation. Please enquire with specific requirements.

### Standard Sizes

12-25-xx	38-58-xx
12-32-xx	38-152-xx
12-57-xx	45-127-xx
25-51-xx	51-89-xx
25-64-xx	51-230-xx
25-127-xx	51-476-xx
25-178-xx	63-762-xx

### Special sizes available

#### Inside Diameters:

0.27" to 3.94" (7mm to 100mm)

#### Lengths:

.394" to 39.4" (10mm to 1000mm)

### Example Part Number: 25-178-70C

I.D. (mm)	Length (mm)	Grade
25	178	70C



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