KYNAR FILTER HOUSINGS

PVDF housings are an economical solution for corrosive applications. Since the housings are constructed entirely out of Kynar, they are suitable for a wide range of liquid and gas applications. Each housing is available with three (3) drain options: 1/8” NPT, Manual Twist Drain or No Drain. For liquid filtration, we recommend using a version with no drain.

Features:
- Filter Gases And Liquids
- Complete Kynar Construction
- Low Cost, Corrosion Resistant Filter Housings
- No Metal Contact Surfaces
- Replaceable Elements For Low Running Costs
- Durable, Threaded Head To Bowl

Applications:
- Corrosive Environment Filter
- Low Cost PTFE Alternative Filters
- Chlorine Filtration

At the heart of our filter products is the filter element. Choosing the correct element insures proper results for your specific application:

Disposable Microfiber Elements
Disposable Microfiber Elements are most commonly used since they offer exceptional filtration, high flows with minimal pressure drops, and excellent chemical compatibility. These are ideal for use in sample conditioning, instrumentation, CNG, and Emission/Environmental service.

- For Coalescing (liquid removal) and particle collection use our grade “C”. We recommend starting with the 70C which is rated at 95% efficient at 0.01 micron which provides outstanding filtration, at high flow rates.
- For Particle removal only use grade “K”. We recommend starting with the 70K which is rated at 95% efficient at 0.01 micron which provides outstanding filtration, at high flow rates.
- For Particulate removal above 300°F (150°C) use grade “S”.

Sintered PTFE
Sintered PTFE elements are used where only pure PTFE may contact the sample. They should be used in our PTFE series of housings based on the stainless steel models. Model 122P, 122PG, 130P, 130PG, 132P, 132PG, 142P
Standard microns available: 3,10, and 25.

Sintered Polyethylene (PEL)
Sintered polyethylene elements (PEL) are used only in non-corrosive applications to remove bulk contaminates. Standard micron sizes available: 10, 25, and 75.
KYNAR FILTER HOUSINGS

- Chemical Resistant
- Versatile – Optimize Costs
- Variety Of Filter Media To Suit Applications

## TECHNICAL INFORMATION

<table>
<thead>
<tr>
<th>Housing Model with Drain</th>
<th>710K</th>
<th>710KL</th>
<th>760K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing Model w/o Drain</td>
<td>705K</td>
<td>705KL</td>
<td>755K</td>
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</tbody>
</table>

### Headline Part Number with Drain

<table>
<thead>
<tr>
<th>Drain Type (1/8&quot; Straight Thread)</th>
<th>Twist</th>
<th>Twist</th>
<th>Twist</th>
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</thead>
<tbody>
<tr>
<td>Maximum Pressure (psig)</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Maximum Temperature (°F)</td>
<td>240</td>
<td>240</td>
<td>240</td>
</tr>
<tr>
<td>Internal Volume (cc)</td>
<td>50</td>
<td>60</td>
<td>170</td>
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<tr>
<td>Weight of Housing (lbs)</td>
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<td>0.5</td>
<td>1.0</td>
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</tbody>
</table>

### Principle Dimensions:

- Center Of Port To Head: 0.39
- Head Diameter: 1.73
- Overall Length Without Drain: 3.78
- Overall Length With Drain: 4.17
- Element Removal Clearance: 1.50

### Filter Element Codes:

1. Disposable Element
2. Stainless Steel Element
3. PEL Element
4. PTFE Element

### Materials Of Construction:

- Head & Internals: PVDF
- Bowl: PVDF
- O-Rings (Standard): Viton
- Drain: PVDF

### Accessories:

- Mounting Bracket: MBSS110, MBSS110, MBSS130
- Buna-N Seal Set: BN710, BN710, BN760
- EPDM Seal Set: GE710, GE710, GE760
- Kalrez Seal Set: KZ710, KZ710, KZ760
- Silicone Seal Set: GS710, GS710, GS760
- Viton Seal Set: GV710, GV710, GV760

## FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES WITH GRADE 50C (3) or 70C (4)

<table>
<thead>
<tr>
<th>Air Line Pressure (PSIG)</th>
<th>710 Series</th>
<th>710KL Series</th>
<th>760 Series</th>
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<tbody>
<tr>
<td>2</td>
<td>1</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>15</td>
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<tr>
<td>100</td>
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<td>23</td>
<td>11</td>
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</tbody>
</table>

### Notes:

1. Replace ‘□’ with grade required, e.g. 12-32-50C, PT-12-57-03
2. Material abbreviations, PVDF = Polyvinylidene Difluoride
3. Flow rates for Grade 50C rated at 99.99% against 0.01 micron
4. Flow rates for Grade 70C rated at 95% against 0.01 micron