Our low-pressure stainless steel housings are ideal for gas analysis, emissions, CEM and sample process filter applications where continual monitoring is required. Although all the stainless steel housings eliminate the monitoring capabilities, they do provide a cost effective filter solution to systems requiring all stainless wetted parts.

The housings have minimal annular volume to reduce lag time and carry over. The 1/4” drain port in the base, also allows these housings to be utilized as by-pass and slipstream filters.

**Features:**
- Low Cost Design For Low Pressure Applications
- All 316L Stainless Steel
- 1/4” NPT Drain (Standard)
- Available In Hastelloy, Monel, Etc.

**Applications:**
- Sample Process Filtration
- Emission / Environmental Service
- Gas Analysis Protection
- Low Pressure Service

**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".

**Stainless Steel 5-Layer Mesh Elements**
Stainless steel elements (SS) are designed for the filtration of heavily contaminated gas samples, CNG, and liquid streams since they are recleanable by back flushing or ultrasonic cleaning. Standard microns available: 0.5, 1, 3, 10, 25, 50, 100, and 200.

**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.
### TECHNICAL INFORMATION

#### Housing Model

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4”</td>
<td>1/4”</td>
<td>150</td>
<td>110</td>
<td>BN137</td>
<td>GE137</td>
<td>GE137</td>
<td>GE137</td>
<td>GE137</td>
<td>2.5</td>
</tr>
<tr>
<td>1/2”</td>
<td>1/4”</td>
<td>150</td>
<td>110</td>
<td>BN137</td>
<td>GE137</td>
<td>GE137</td>
<td>GE137</td>
<td>GE137</td>
<td>2.5</td>
</tr>
<tr>
<td>1/4”</td>
<td>1/4”</td>
<td>150</td>
<td>110</td>
<td>BN137</td>
<td>GE137</td>
<td>GE137</td>
<td>GE137</td>
<td>GE137</td>
<td>3.5</td>
</tr>
<tr>
<td>1/2”</td>
<td>1/4”</td>
<td>250</td>
<td>250</td>
<td>BN137</td>
<td>GE137</td>
<td>GE137</td>
<td>GE137</td>
<td>GE137</td>
<td>3.5</td>
</tr>
</tbody>
</table>

#### Principle Dimensions (inches)

- Center Of Port To Head: 0.59
- Head Diameter: 2.20
- Overall Length: 5.30
- Element Removal Clearance: 2.76

#### Filter Element Codes:

- Disposable Element: 25-64-
- Stainless Steel Element: SS-25-64-
- PEL Element: PEL-25-64-
- PTFE Element: PT-25-64-

#### Materials Of Construction:

- Head & Internals: 316LSS
- Bowl: 316LSS
- O-Rings (Standard): Viton

#### Accessories:

- Mounting Bracket: MBSS130, SC130
- Support Core: MBSS130, SC140

#### FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES WITH GRADE 50C (1) or 70C (4)

<table>
<thead>
<tr>
<th>Air Line Pressure (PSIG)</th>
<th>137 Series</th>
<th>147 Series</th>
<th>148 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>50C</td>
<td>6</td>
<td>10</td>
<td>13</td>
</tr>
<tr>
<td>70C</td>
<td>8</td>
<td>15</td>
<td>19</td>
</tr>
</tbody>
</table>

#### Notes:

1. Replace ‘□’ with grade required, e.g. 25-64-50C, PT-25-178-03
2. Material abbreviations, 316LSS = 316L Stainless Steel
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