SERIES 85, 88, 90
SMALL VOLUME
GAS FILTERS & FILTER/SEPARATORS

ENGINEERED FILTRATION SOLUTIONS
The Series 85 Filter/Separator is a two stage unit. The first stage employs PEACH® PCHG filter-coalescing elements. These elements remove the solids contamination and coalesce entrained liquid droplets. The coalesced liquid is then removed in the second stage vane mist eliminator and collected in the liquid sump to be drained. These units are capable of removing solids and liquid particles one micron and larger when operated within 10% and 100% of their rated capacity.

The Series 85 Offshore is designed specifically for the offshore industry to remove liquid and solid contaminant particles, such as hydrocarbon liquids, dirt, rust and pipeline scale from natural gas fuel in low flow applications. Units feature flanged connections, blind flange closures and 3-coat marine paint systems.
The Series 90 is designed for filtering dry gas or air streams. These units are extremely useful in removing desiccant fines, pipe scale and other solid contaminants one micron and larger. Employing single stage filtration and capable of utilizing a number of different element styles, it is a versatile performer.

**SERIES 90 DIMENSIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Q.D</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>INLET &amp; OUTLET</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-2-PCHG36</td>
<td>8 5/8</td>
<td>50</td>
<td>15 3/4</td>
<td>4</td>
<td>7 3/4</td>
<td>11 1/8</td>
<td>10 1/4</td>
<td>38</td>
<td>2 3/8</td>
<td>3&quot; R.F. 150# Flange</td>
</tr>
</tbody>
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**Notes:**
1. Standard units as shown are stock items.
2. Changes to standard units, including different inlet and outlet sizes, inspection opening, or special connections can be furnished at slight additional cost. Consult factory for price and delivery.
3. Filters are of welded construction for a safe working pressure of 275 P.S.I. at 100º F and are ASME, Div. 1, Section VIII code stamped.
4. All dimensions are in inches.
5. No corrosion allowance.

**CONVERSION CHART**

1. If vapor phase is other than natural gas of 0.65 specific gravity at 60º F and 14.7 PSIA, correct to these conditions using the PECO Conversion Chart on top left hand corner of this sheet as follows:
   - Find the maximum operating temperature on the horizontal scale.
   - Follow temperature line vertically until it intersects with the specific gravity line. The correction factor is then found horizontally to the right of the intersection.
2. Multiply the flow rate (SCFH) by the correction factor.
3. Determine PECO Filter-Sep or Filter required by entering sizing chart at left at minimum operating pressure. Move to right to intersection with the corrected maximum gas flow line. The PECO Filter-Sep or Filter required is shown by the slanted line to the right of the intersection of the operating pressure and corrected maximum gas flow lines. The Sizing is based upon a maximum pressure drop of 60” water column across the entire unit.
The Series 88 is designed for general process gas applications where a compact, high pressure vessel is required.

**SERIES 88 MATERIALS OF CONSTRUCTION**
- Vessel: Carbon Steel
- Cover: Carbon Steel
- Gasket: Buna-N
- Blowdown Plug: Carbon Steel
- Element Support: Carbon Steel
- Couplings: 300# NPT
- Paint: Grey Primer

88 Conversion Chart

Your local distributor:

Please refer to www.perryequipment.com for your most current literature edition and address information.