CNG FILTERS

Innovations in Purification

DELTA Compressed Natural Gas Filters provide the best filtration solution for high pressure compressed natural gas application. High pressure sealing systems developed in-house have been tested upto 600 Bar. This technique has been employed in high pressure applications such as CNG filtration.

Delta CNG Filters offer both particulate removal and liquid separation in a single filter housing. Pleated borosilicate glassfibre based filter elements offer the best performance in the industry. The process of pleating introduces 5 times the surface area for filtration as compared to traditional filter elements. The end result is large surface area, long life of filter elements, lowest pressure drop and long Mean Time Between Maintenance (MTBM).

SALIENT FEATURES:

- Filters Vessels designed as per ASME Code
- 100% Machined Filter Body. No welding
- With Delta Borosilicate Glass Fibre Filter Elements
- Highest Filtration Area, Low Pressure Drop (0.07 Bar) and long MTBM
- Particulate Filtration Options: 5, 1, 0.1 Micron, 99.9999%
- Coalescing Action to ensure less than 0.1 ppm liquid at outlet gas
- 250 Bar Working Pressure
- Hydro Test Pressure: 1.5 times Design Pressure as per Code.

Email: sales@deltafilters.com
Call: 91-9930073977
Skype: deltafilters
Web: www.deltafilters.com

DELTA GlassFibre Cartridges

Catalog ID: DFS/CNG_Gas_Filter-2015 Rev 03
DELTA CNG FILTER MODELS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LINE SIZE (NB)¹</th>
<th>END CONNECTION</th>
<th>FLOW RATE (SCMH@250 Bar)²</th>
<th>HOUSING MOC³</th>
<th>ELEMENT MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNG-025</td>
<td>¼&quot;</td>
<td>BSP / NPT</td>
<td>300</td>
<td>SS304</td>
<td>DW48</td>
</tr>
<tr>
<td>CNG-050</td>
<td>½&quot;</td>
<td>BSP / NPT</td>
<td>500</td>
<td>SS304</td>
<td>DW410</td>
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<tr>
<td>CNG-075</td>
<td>¾&quot;</td>
<td>BSP / NPT</td>
<td>2500</td>
<td>SS304</td>
<td>DW415</td>
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<tr>
<td>CNG-100</td>
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<td>BSP / NPT</td>
<td>3500</td>
<td>SS304</td>
<td>DW420</td>
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<tr>
<td>CNG-125</td>
<td>1¼&quot;</td>
<td>BSP / NPT</td>
<td>4800</td>
<td>SS304</td>
<td>DW425</td>
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<tr>
<td>CNG-150</td>
<td>1½&quot;</td>
<td>BSP / NPT</td>
<td>5000</td>
<td>SS304</td>
<td>DW430</td>
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</tbody>
</table>

1. Larger sizes available on request to serve higher gas flow rates
2. Contact us for permissible flow rate at operating pressure other than 250 Bar
3. Filter Housing can be provided in SS316 / SS316L MOC if required

MATERIAL OF CONSTRUCTION

1. Filter Housing: SS304 / SS316 / A106 Gr. B (Options)
2. Gasket: Viton
3. Filter Media: Borosilicate Glass Fibre (Pleated)
4. Element Support: SS304
5. Filter Element Seals: Viton

APPLICATIONS

DELTA CNG Filters are widely used in various applications including
- Various Stages of CNG Gas Compressors to protect compressor from dirt and liquid contamination
- Inside CNG Dispensers to deliver clean fuel to vehicles
- Discharge of CNG Gas compressors to remove oil from going downstream