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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).



CNG-050: ½” NB, 500 SCMH* @ 250 Bar

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.



DELTA GlassFibre Cartridges

DELTA CNG FILTER MODELS

MODEL	LINE SIZE (NB) ¹	END CONNECTION	FLOW RATE (SCMH@250 Bar) ²	HOUSING MOC ³	ELEMENT MODEL
CNG-025	¼"	BSP / NPT	300	SS304	DW48
CNG-050	½"	BSP / NPT	500	SS304	DW410
CNG-075	¾"	BSP / NPT	2500	SS304	DW415
CNG-100	1"	BSP / NPT	3500	SS304	DW420
CNG-125	1¼"	BSP / NPT	4800	SS304	DW425
CNG-150	1½"	BSP / NPT	5000	SS304	DW430

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



DELTA FILTERS & SEPARATORS PVT LTD

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