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DELTA Gas Filters are used to achieve high degree of purity in Fuel Gas applications where conventional separators are unable to prevent small particles from going downstream. Gas lines typically are contaminated with dust, pipe scale and rust. These solid particles cause damage to downstream equipment like gas compressors, flow meters, valves and regulators. DELTA Gas Filters are widely used due to their superior performance in solving these problems. DELTA 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:

- Filter Vessels designed as per latest ASME Code
- 100% Radiography of Weld Joints
- Fitted with DELTA Pleated Borosilicate Glass Fibre Filter Elements
- Highest Filtration Area , Low Pressure Drop (0.07 Bar) and long MTBM
- Particulate Filtration down to 0.3 Micron, 99.9999%
- Options: Differential Pressure Gauges, PSV, Pressure Gauge
- Applications include Gas Engines, DRS Skids, MRS Skids, Suction of CNG Compressors, Gas Transmission Lines etc



NGF-200, 12" NB, 2.8 MMSCFD



DELTA Pleated GlassFibre Cartridges

DELTA GAS FILTER MODELS

MODEL	LINE SIZE (NB) ¹	END CONNECTION ²	FLOW RATE (SCMH@7 Bar) ³	HOUSING MOC ⁴	ELEMENT MODEL
NGF-015	½"	BSP / NPT	80	SS304 / SS316	DW48
NGF-075	¾"	BSP / NPT	150	SS304 / SS316	DW415
NGF-100	1"	ASA 150 / ASA 300	200	Carbon Steel	DW421
NGF-125	1¼"	ASA 150 / ASA 300	400	Carbon Steel	DW630
NGF-150	1½"	ASA 150 / ASA 300	540	Carbon Steel	DW645
NGF-200	2"	ASA 150 / ASA 300	1000	Carbon Steel	DP830
NGF-250	2½"	ASA 150 / ASA 300	1500	Carbon Steel	DP845
NGF-300	3"	ASA 150 / ASA 300	2000	Carbon Steel	DP860
NGF-400	4"	ASA 150 / ASA 300	2400	Carbon Steel	DP875

1. Larger sizes available on request to serve higher gas flow rates
2. ASA 600, ASA 900 Options also available for higher operating pressure
3. Contact us for permissible flow rate at operating pressure other than 7 Bar
4. NGF-100 → NGF-400 can be provided in SA 516 Gr. 70/ SS304 / SS316 MOC if required

MATERIAL OF CONSTRUCTION

1. **Filter Housing:** SS304 / SS316 / A106 Gr. B / SA 516 Gr. 70
2. **Gasket:** SS304 Spiral Wound, GRAFOIL Filled (Non-Asbestos)
3. **Filter Media:** Borosilicate Glass Fibre (Pleated)
4. **Element Support:** SS304
5. **Filter Element Seals:** BUNA-N , Viton
6. **Fasteners:** High Tensile ASTM A 193 Gr. B7 + A 194 2H
7. **Paint:** Epoxy Based Primer + Epoxy Final Yellow Shade (2 Coats)

APPLICATIONS

DELTA GAS FILTERS are widely used in various applications including

- Upstream of **Gas Engines** to protect engine from dirt and liquid contamination
- Before **Gas Fired Boilers** to improve the gas feed quality
- At the inlet of **Gas Turbines** wherein high degree of fuel gas is a must
- Suction of **CNG Gas compressors** to protect compressor internals



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