

## DELTA COMPRESSED AIR FILTERS



*Innovations in Purification*

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**DELTA Compressed Air Filters** are used to achieve high degree of purity in Compressed Air applications. Compressed Air is typically contaminated with water, dust, pipe scale and rust. Further in case of an Oil Lubricated compressor, the air exiting the discharge port carries fine oil mist.

DELTA Compressed Air 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
- 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 0.01 Micron, 99.999% with 0.1, 1, 5 Micron Options
- Oil removal down to 0.01 ppm at outlet
- Options: Differential Pressure Gauges, PSV, Pressure Gauge
- Applications include Textiles, Steel Industry, Medical Equipments, Nuclear Power Plants, Cement Plants etc



**3" NB x 150 LB FLANGED MODEL**



**DELTA Pleated GlassFibre Cartridges**



**SS304 FLANGED COMPRESSED AIR FILTERS**

**DELTA COMPRESSED AIR FILTER MODELS**

MODEL	LINE SIZE (NB) <sup>1</sup>	END CONNECTION <sup>2</sup>	FLOW RATE (SCMH@7 Bar) <sup>3</sup>	HOUSING MOC <sup>4</sup>	ELEMENT MODEL
A-025	¼"	BSP	20	ALUMINUM	PL24
A-050	½"	BSP	80	ALUMINUM	PL48
A-075	¾"	BSP	150	ALUMINUM	PL415
A-100	1"	BSP	200	ALUMINUM	PL421
S-125	1¼"	ASA 150	400	Carbon Steel	PL630
S-150	1½"	ASA 150	540	Carbon Steel	PL645
S-200	2"	ASA 150	800	Carbon Steel	PD830
S-250	2½"	ASA 150	1000	Carbon Steel	PD845
S-300	3"	ASA 150	1500	Carbon Steel	PD860
S-400	4"	ASA 150	2000	Carbon Steel	PD875

1. Larger sizes available to serve higher air flow rates
2. NPT, ASA 300, ASA 600 Options also available for higher operating pressure
3. Contact us for permissible flow rate at operating pressure other than 7 Bar
4. A-015 → A-100 and S-125 to S-1200 can be provided in SS304 if required



## MATERIAL OF CONSTRUCTION

- |                                 |   |
|---------------------------------|---|
| 1. <b>Filter Housing:</b>       | Aluminum, Carbon Steel, SS304 / SS316 (L) (Options)     |
| 2. <b>Gasket:</b>               | SS304 Spiral Wound, GRAFOIL Filled (Non-Asbestos)       |
| 3. <b>Filter Media:</b>         | Borosilicate Glass Fibre (Pleated)                      |
| 4. <b>Element Support:</b>      | SS304   |
| 5. <b>Filter Element Seals:</b> | BUNA-N , Viton  |
| 6. <b>Fasteners:</b>            | High Tensile ASTM A 193 Gr. B7 + A 194 2H               |
| 7. <b>Paint:</b>                | Epoxy Based Primer + Epoxy Final Yellow Shade (2 Coats) |

## APPLICATIONS

**DELTA COMPRESSED AIR FILTERS** are widely used in various applications including

- Downstream of Oil Lubricated Compressors to ensure Oil Free air
- To remove sub-micronic particles from Compressed Air
- In Steel Plants : Oxygen Generation Division, for Oil Free air
- Textiles: Air Jet Looms to ensure particle free air



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