

AIR TREATMENT
FLANGE FILTER

Products Catalog

Compressed Air Syatem



SAVE THE ENERGY WITH BEST QUALITY PRODUCTS RANGE

FLANGE COMPRESSED AIR



Features

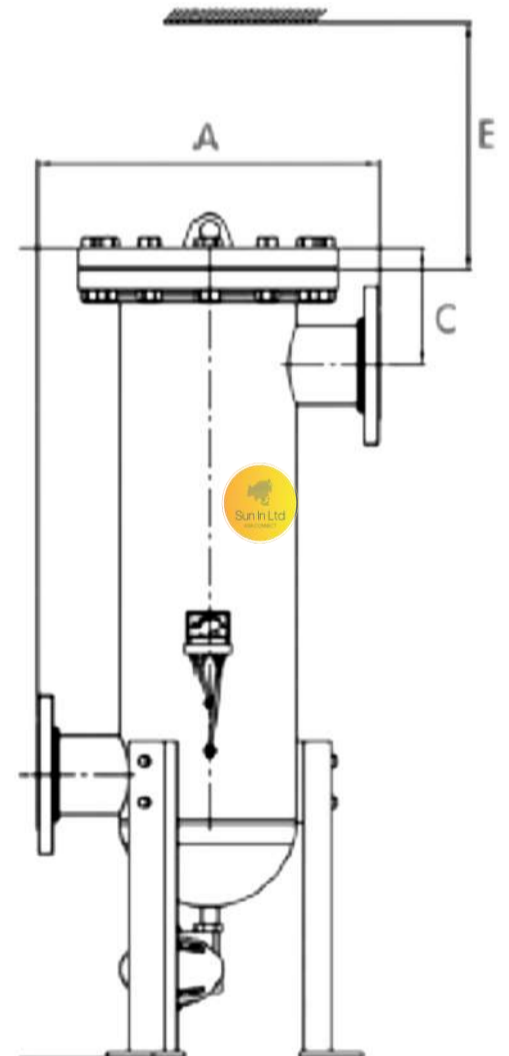
- ✓ Elements are assembled by the help of a tie rod system
- ✓ Two external float drains for maximum drainage
- ✓ Unique design for pre-separation zone
- ✓ Strong welded design
- ✓ CE and ASME tanks available
- ✓ Design for easy element change from top flange

External Float Drain

ELITEAIR TECHNOLOGY external drains designed to remove liquid condensation from collection points in a Compressed Air System.

Durable epoxy powder-coat finish

and corrosion resistant internal anodized coating for longer service life.



ORDERING:

1. The complete filters model contains the size and grade.
2. Example pipe size NW 100 oil removal filters with model filters APF3200-Y.
3. Replacement filter HPM1200-Y.



NOTES:

1. Grade A must not be operating in oil saturated conditions.
2. Grade A element should be replacing periodically to suit the applications but must be change at least within six months.
3. Grade A will not remove certain gases including carbon monoxide and carbon dioxide. Please refer to work if in doubt.
4. Flow rate as based on @7 bar operating pressure. For flow @ other pressure use correction factor as well above data.
5. All filters are suitable for use with mineral and synthetic oils.
6. Other standard flange connections are available.
7. Direction of air flow inside to outside through the filter's elements.

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TECHNICAL DATA

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MODEL	DRAIN PORT	INLET/OUTLET	FLOW RATE		MAX. WORKING	ELEMENT	NUMBER OF	FLANG HOUSING DIMENSION (mm)				
	SIZE	PORT SIZE	m ³ /h	Scfm	PRESUUR (bar)	MODEL	ELEMENTS	A	B	C	D	E
HDT2500	½"	DN80	2500	1470	14	APM1200	2	450	1287	277	747	650
HDT3200	½"	DN100	3200	1880	14	APM1200	3	450	1317	277	767	650
HDT4300	½"	DN100	4300	2530	14	APM1200	4	530	1344	279	769	650
HDT6500	½"	DN150	6500	3825	14	APM1200	6	580	1425	331	796	650
HDT8500	½"	DN150	8500	5000	14	APM1200	8	650	1439	333	798	650
HDT11000	½"	DN200	11000	6470	14	APM1200	10	750	1504	365	825	650
HDT14000	½"	DN200	14000	8235	14	APM1200	14	800	1545	383	833	650
HDT17000	½"	DN250	17000	10000	14	APM1200	16	850	1583	417	862	650
HDT21000	½"	DN300	21000	12350	14	APM1200	17	850	1680	447	887	650
HDT25500	½"	DN350	25500	15000	14	APM1200	23	850	1778	487	917	650
HDT30000	½"	DN350	30000	17650	14	APM1200	28	850	1778	487	917	650

SPECIFICATIONS				
GRADE	PRE-FILTER	AFTER-FILTER	OIL-REMOVAL	ACTIVATED CARBON
Model	P	X	Y	A
Particle Removal (Micron Rating)	5	1	0.01	0.01
Max. oil carryover @21°C (mg/m ³)	5	0.5	0.01	0.003
Max. Working Temperature (°C)	80	80	80	25
Inlet Pressure Loss (mbar)	40	80	100	80
Pressure Loss for Element Change (mbar)	700	700	700	700
Element Colour Code	White Nano	White Nano	White Nano	Metals Nano

CORRECTION FACTOR								
Operating Pressure bar	1	3	5	7	9	11	13	14
PSIG	15	44	73	100	131	160	189	200
Correction Factor	0,5	0,71	0,87	1	1,12	1,22	1,32	1,38

For maximum flow rate, multiply model flow rate show in the above diagram.
By the correction factor corresponding to the working pressure

DRAIN TYPE

Electronic-Adjustable

External Float Type

Zero-Loss Drain

Manual

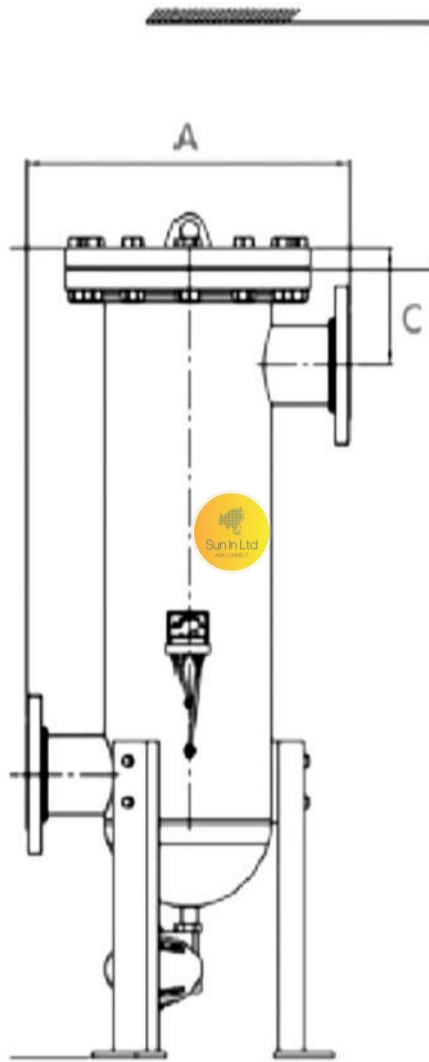
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Low Operating Costs

ELITEAIR TECHNOLOGY The OME has a pressure drop of 0.5 to 1 psid. Other coalescing filters typically lose 3 to 6 psid. Operating the air compressor at higher pressures to compensate for this increases power consumption 1% for every 2-psi increase in pressure. The OME's extremely low pressure drop yields a 1 to 2.5% energy advantage. In addition, its large in-depth bed provides much longer element life than in conventional oil removal filters. With a minimum 15-year warranty and filter life up to 6 months, the OME is virtually maintenance free!

Extra Breakthrough Protection

ELITEAIR TECHNOLOGY The OME's large vessel is designed to capture and retain large volumes of oil and water if present, thus protecting downstream equipment from contaminant caused by oil or water slugging.



Advanced Technology

ELITEAIR TECHNOLOGY Compressed air is directed through a loosely packed bed of highly engineered, water resistant glass fibers. Water droplets and oil aerosols entrained in the air stream are captured by the filter fibers through direct interception, inertial impaction, and diffusion interception resulting from Brownian motion. The captured liquids move along the fibers and coalesce into larger droplets that fall to the bottom of the housing where they are removed by a condensate drain (sold separately).

Sizing

ELITEAIR TECHNOLOGY Maximum air flow at 100 psig is indicated in the Specifications Table. To determine maximum air flow at pressures other than 100 psig, multiply the flow @ 100 psig by the multiplier in the Multiplier Table that corresponds to the minimum operating pressure at the inlet of the filter.

Request a Quote

We can help you optimize your compressed air installation. Contact us for a quote or to talk to a SUN IN representative about our products.

