

Micro-filters for Air & Gas Filtration - Series S

Demands for the pre-filtration of compressed air and gas in the food, beverage, dairy, brewery and pharmaceutical industries are continuously increasing. Pre-filtration for solid particles, water, oils and oil vapour is now an essential requirement before final sterile filtration. Essentials of pre-filtration are also high flow, largest possible filter area, low differential pressure, long service life and cost effectiveness.

As a solution for compressed air and gas applications, the S series cartridge was developed with a variety of micron and oil retentions. Additionally, the S series compliments the SG series by means of similar cartridge connections.

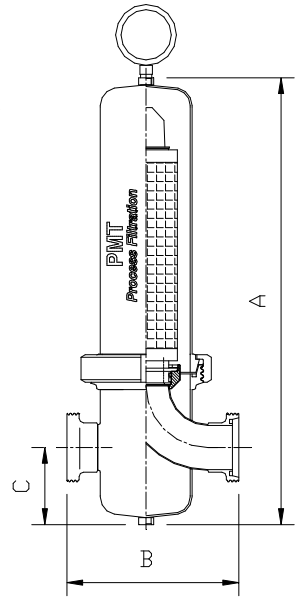
The S series cartridges helps reduce solid particle, oil and water contamination from compressed gases

The **PMT™** micro-filter series S is equipped with a **PMT®** pleated multilayer cartridge. The design of the cartridge and filter housing aids in quick replacement of filter cartridges.

Standard equipment includes;

- * Stainless steel filter housing
- * Pleated multi layer cartridge
- * Stainless steel glycerine filled and temperature resistant pressure gauge

The **PMT™** stainless steel filter housing is designed for manual vapour draining during operation. (*Drain valves are an optional extra*).



Your Partner In Critical Filtration

HOUSING

Material: Stainless steel 304
 Surface finish: High external polish
 Internal electro polish
 Vent & drain connection: 1/4" BSP plug
 Max operating pressure: 16 bar
 Connections: DN10 - DN 80 DIN11851
Others on request
 Seals: EPDM standard
Others on request

CARTRIDGE

Filter media: V, ZP, XP and A qualities

V 3 µm, η = 99.99%

ZP 1µm, η = 99.9999%, residual oil content ≤0.5mg/m³ (at 20°C and 1 bar.a)

XP 0.01µm, η = 99.99999%, residual oil content ≤0.01mg/m³ (at 20°C and 1 bar.a)

A Activated carbon, residual oil content ≤0.003mg/m³ (at 20°C and 1 bar.a) and when used in conjunction with XP grade cartridge.

FILTER TYPE	Capacity 7 bar 20°C N.m ³ /h	Connection DIN11851 DN	Dimensions			Cartridge Length mm / Inch	Cartridge Type *Note	Max. Pressure Housing bar
			A	B	C			
PO5S	110	10	256	115	50	65 / 2½	_09T	16
P07S	150	15	256	115	55	65 / 2½	_09T	16
P09S	220	20	256	115	55	65 / 2½	_09T	16
P11S	290	25	312	155	75	125 / 5	_13T	16
P12S	380	32	312	155	75	125 / 5	_13T	16
P13S	500	40	312	155	75	125 / 5	_13T	16
P14S	780	50	486	190	80	250 / 10	_14T	16
P15S	1,150	50	792	190	80	500 / 20	_18T	16
P18S	1,470	65	792	220	110	500 / 20	_18T	16
P19S	1,950	80	1,056	220	110	750 / 30	_19T	16

Working pressure bar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Conversion factor	0.25	0.38	0.50	0.63	0.75	0.88	1	1.13	1.25	1.38	1.5	1.6	1.75	1.88	2	2.13

*Note Cartridge Type refers to V, ZP, XP and A grade cartridges

PMT is a registered trademark

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