PAINTING AIR FILTRATION SYSTEM - PP

DESCRIPTION

PP system has been developed explicitly for purifying compressed air from solid, liquid and partially gaseous components. Protecting air equipment in addition to providing clean air for work. PP system is easy for a wall mount.

APPLICATIONS (1)

- Paint
- Chemical
- Petrochemical
- General industrial application

(1) PP painting air filtration system can be used in a variety of applications. For applications not listed please contact your local dealer or us.

TECHNICAL SPECIFICATION

Operating temperature	1,5 - 65 °C	35 - 149 °F
Operating pressure	0 - 16 bar(g) (2)	0 - 232 psi

(2) The included pressure gauge has a scale 0-10 bar. For other scales, please contact your local dealer or us.

MATERIALS

Filter housing material	Aluminium
Fittings, Screws	Brass, Steel-zinc plated, Stainless steel
Gauge	Steel, Glass
Sealing	NBR
Corrosion protection	Anodized
Outside protection	Powder paint coated (Epoxy-polyester base)
Lubricant	Shell cassida grease RLS 2

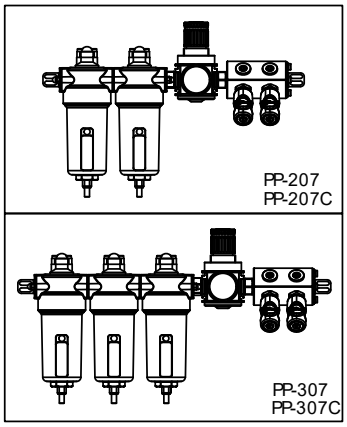
Omega Air d.o.o. Ljubljana
Cesta Dolomitskega odreda 10
1000 Ljubljana, Slovenia

Tel: +386 (01) 200 68 00
Fax: +386 (01) 200 68 50

e-mail: info@omega-air.si
www.omega-air.si

Available modular combinations:

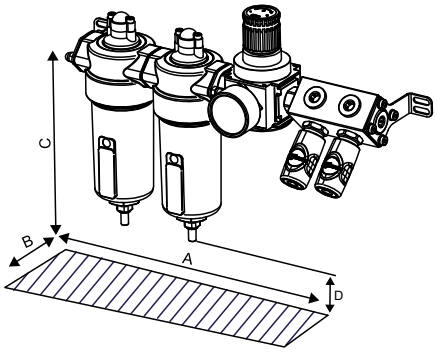
- With Air dryer in the system (High quality air).
  - PP-207: Compressed air for high-quality demands (down to 0,01µm).
  - PP-307: Compressed air for high-quality demands (down to 0,01µm) with activated carbon
- Without Air dryer in the system (Basic quality air).
  - PP-207C: Compressed air for basic quality demands (down to 0,1µm)
  - PP-307C: Compressed air for high-quality demands (down to 0,01µm)



SIZES

MODEL	Connection [inch]	FLOW CAPACITY [Nm³/h]	[scfm]	DIMENSIONS [mm] A	B	C	D	Separator CKL-PP (3)	Microfilter M 0,1µm	Microfilter S 0,01µm	Active Carbon A	Quick coupling
PP-207C	1/2	78	46	440	135	290	80	•	•			2
PP-207	1/2	78	46	440	135	290	80		•	•		2
PP-307C	1/2	78	46	530	135	290	80	•	•	•		2
PP-307	1/2	78	46	530	135	290	80		•	•	•	2

Flow capacity at 7 bar(g), 20°C
Standard is BSP pipe connection, other pipe connection on request.
(3) Separator including sintered filter - separates particles > 5 µm.



CORRECTION FACTORS

To calculate the correct capacity of a given filter based on actual operating conditions, multiply the nominal flow capacity by the appropriate correction factor(s).
CORRECTED CAPACITY = NOMINAL FLOW CAPACITY x C_{OP}

OPERATING PRESSURE

[bar]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
[psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
C_{OP}	0,38	0,5	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13

MAINTENANCE

Replace the filter element at least every 6 months or follow the instructions for a specific filter element. Once per year, make a visual check of the filter housing and make sure there is no visible damage.

INFORMATION IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

BUREAU VERITAS	Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2015 Reg. number: 200285	

Omega Air d.o.o. Ljubljana
Cesta Dolomitskega odreda 10
1000 Ljubljana, Slovenia

Tel: +386 (01) 200 68 00
Fax: +386 (01) 200 68 50

e-mail: info@omega-air.si
www.omega-air.si