



Filter housing APF103SE

Design / capacity	
Connection	Rp 1" female thread
Nominal capacity	220 m³/h with APE91 at 1 bar (abs.) and 20°C at 7 bar g
Maximum capacity	454 m³/h with APE91 at 1 bar (abs.) and 20°C at 16 bar g
Maximum working pressure	16 bar g
Material	Aluminium
Operating temperature maximum	120 °C
Coating inside / outside	Corrosion protection layer
Colour outside	RAL 9003 (powder coated)
Fixing element	Wing suspension
Condensate drainage connection	Rp 1/2" female thread
Dimensions in mm	A 328
[Dimension drawing on the last page]	B 23
	C 104
	D 98
Weight (incl. element and drainage)	1,9 Kg
CE norm	CE free according 2014/68/EU

Scope of supply	
Housing	APF103SE
Filter element	APE91
Condensate drainage	HAM12

Options	
Filter connection sets for 2 - 3 filters	APF-VEE-(2/3)-M
Wall mounting brackets, including filter connecting kit	APF-WHE-(1/2/3)-M

Capacity filter elements APE91

Type	Particle filtration	Residual oil content	Working temperature [°C]		Differential pressure [mbar]			ISO classes*	
	[micron]	[mg/m³]	maximum	recommended	new	moistened	replacement	particle	oil
APE91SE	0,01	-	120	50	100	-	every 6 months	1	-

Compressed air quality according ISO 8573-1:2010*

Correction factors																
Working pressure	bar g	Coefficient														
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
		0,38	0,50	0,63	0,75	0,88	1,00	1,12	1,25	1,37	1,49	1,62	1,74	1,86	1,98	2,10

Multiply the capacity of the filter by the correction factor in the upper table.



Design

Flow direction	From the inside out
Material end caps	Polypropylene
Support body inside and outside	Stainless steel
Filtration medium	Borosilicate microfiber fabric
Bonding end caps	Two-part epoxy resin
Material o-ring	EPDM
Distinctive characteristics	Technically silicone-free
Cavity volume at 20°C	96%
max. sterilising temperature*	145 °C

*****Recommendation:** Maximum sterilising temperature refers to the filter element only. It can be steam sterilised 50 times. Each element must be autoclaved before it can be used.

Dimensional drawing

