



Filter housing APF103CAK

Design / capacity	
Connection	Rp 1" female thread
Nominal capacity	110 m³/h with APE91 at 1 bar (abs.) and 20°C at 7 bar g
Maximum capacity	231 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 5010 (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	APF103CAK
Filter element	APE91
Condensate drainage	HAM12

Options	
Oil indicator	A4000-120
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 [micron]	Residual oil content [mg/m³]	Working temperature [°C]		Differential pressure [mbar]			ISO classes*	
			maximum	recommended	new	moistened	replacement	particle	oil
APE91CAK	1	0,003	30	30	250	-	every 6 months	2	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.



APE91

Design	
Flow direction	From the inside out
Material end caps	Glass-fibre reinforced nylon (30%)
Support body inside and outside	Acrylic tube
Filtration medium	Activated carbon
After filtration	Borosilicate microfiber fabric
Bonding end caps	Two-part epoxy resin
Material o-ring	NBR
Distinctive characteristics	Technically silicone-free
Cavity volume at 20°C	96%

Dimensional drawing

