



### Filter housing APF103VMS

Design / capacity		
Connection	Rp 1" female thread	
Nominal capacity	14 m³/h with APE91VMS at 500 mbar	
Maximum capacity	25,5 m³/h with APE91VMS at 917 mbar	
Maximum working pressure	-0,917 bar	
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	APF103VMS
Filter element	APE91VMS
Ball valve 1/2"	KH12
Drain flask	SG

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	
APE91VMS	0,0001	1	50	50		66	-	every 12 months	-	3	

compressed air quality according ISO 8573-1:2010\*

Correction factors														
Vacuum	mbar	10	50	100	200	250	300	400	500	600	700	800	900	1000
	factor	0,01	0,05	0,1	0,2	0,25	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1

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



### Design

Flow direction	from outside to inside
Material end caps	plastic (temperature resistant up to 80 ° C)
Support body inside and outside	stainless steel
Filtration medium	borosilicate microfiber fabric
1st Phase	foam support body
2ndPhase	final filter fleece
3rd Phase	depth filter medium, impregnated
4th Phase	fine filtration / depth filtration
Bonding end caps	two-part epoxy resin
Distinctive characteristics	technically silicone-free
Cavity volume at 20°C	96%

### Dimensional drawing

