



### Filter housing APF143SE

Design / capacity	
Connection	Rp 2" female thread
Nominal capacity	800 m³/h with APE140 at 1 bar (abs.) and 20°C at 7 bar g
Maximum capacity	1680 m³/h with APE140 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 744
[Dimension drawing on the last page]	B 45
	C 196
	D 195
Weight (incl. element and drainage)	12,5 Kg
CE norm	2014/68/EU Categorie I

Scope of supply	
Housing	APF143SE
Filter element	APE140
Condensate drainage	HAM12

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

### Capacity filter elements APE140

Type	Particle filtration [micron]	Residual oil content [mg/m³]	Working temperature [°C]		Differential pressure [mbar]			ISO classes*	
			maximum	recommended	new	moistened	replacement	particle	oil
APE140SE	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.



### APE140

#### 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*	134 °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

