



### Filter housing APFF100-03

Design / capacity		
Connection		Rp DN 100 female thread
Nominal capacity		4200 m³/h with APE8601 at 1 bar (abs.) and 20°C at 7 bar g
Maximum capacity		8820 m³/h with APE8601 at 1 bar (abs.) and 20°C at 16 bar g
Maximum working pressure		16 bar g
Material		Carbon steel
Operating temperature maximum		80°C
Coating inside / outside		corrosion protection layer
Colour outside		RAL 5010 (powder coated)
Fixing element		Tie rod
Condensate drainage connection		Rp 1/2" female thread
Dimensions in mm	A	1152
[Dimension drawing on the last page]	B	177
	C	550
	D	405
	E	510
Weight in Kg		200

Scope of supply	
Housing	APFF100-03
Filter element	APE8601
Number	3
Types of condensate drainage:	
SMA - MF1 - MFO - FF5 - VF25	D200
DSF - DF1 - DMF, CA	HAM12

Norms	
Pressure vessel standard	2014/68/EU
Category	III
Module	B + F
Fluid group	2

Options	
Differential pressure gauge	APFF-DPN
Level-controlled condensate drain	KN5



### Filter elements APE8601 SMA - MF1 - MFO - FF5 - VF25

Design	
Flow through	From the inside out
Material end caps	Glass-fibre reinforced nylon (30%) - (temperature resistant up to 120°C)
Support body inside and outside	High-grade steel
Filtration medium	Borosilicate microfiber fabric
Pre- and afterfiltration	Fibrous fleece
Drainage layer	Polyester needle felt
Bonding end caps	Two-component polyurethane resin
Material o-ring	NBR
Distinctive characteristics	Technically silicone-free
Cavity volume at 20°C	96%

### Filter elements APE8601 CA

Design	
Flow through	From the inside out
Material end caps	Glass-fibre reinforced nylon (30%) - (temperature resistant up to 120°C)
Support body inside and outside	Stainless steel
Filtration medium	Non-woven medium, activated carbon impregnated
Afterfiltration	Fibrous fleece
Bonding end caps	Two-component polyurethane resin
Material o-ring	NBR
Distinctive characteristics	Technically silicone-free
Cavity volume at 20°C	96%

### Filter elements APE8601 DSF - DF1 - DMF (dust filtration)

Design	
Flow through	From the outside in
Material end caps	Glass-fibre reinforced nylon (30%) - (temperature resistant up to 120°C)
Support body inside and outside	Stainless steel
Filtration medium	Borosilicate microfiber fabric
Pre- and afterfiltration	Fibrous fleece
Bonding end caps	Two-component polyurethane resin
Material o-ring	NBR
Distinctive characteristics	Technically silicone-free
Cavity volume at 20°C	96%

Correction factors	
Working pressure	bar g
	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
	Coefficient
	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.



### Capacity filter elements APE8601

Type	Particle filtration [micron]	Residual oil content [mg/m³]	Working temperature [°C]		Differential pressure [mbar]			ISO classes*	
			maximum	recommended	new	moistened	replacement	particle	oil
APE8601CA	-	0,003	25	-	75	-	6 months	-	1
APE8601DF1	0,1	-	120	50	75	-	1 year	2	-
APE8601DMF	1	-	120	50	60	-	1 year	2	-
APE8601DSF	0,01	-	120	50	85	-	1 year	1	-
APE8601FF5	5	5	120	-	55	80	1 year	3	4
APE8601MF1	0,1	0,1	120	50	75	100	1 year	1	2
APE8601MFO	1	0,5	120	50	60	95	1 year	2	2
APE8601SMA	0,01	0,01	120	50	85	130	1 year	1	1
APE8601VF25	25	10	120	-	45	50	1 year	5	5

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

### Dimensional drawing

