



Filter housing APFFo80-02

Design / capacity		
Connection		Rp DN 80 female thread
Nominal capacity		2800 m³/h with APE8601 at 1 bar (abs.) and 20°C at 7 bar g
Maximum capacity		5880 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	APFFo80-02
Filter element	APE8601
Number	2
Types of condensate drainage:	
SMA - MF1 - MFO - FF5 - VF25	D200
DSF - DF1 - DMF, CA	HAM12

Norms	
Pressure vessel standard	2014/68/EU
Category	II
Module	A1
Fluid group	2

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



Filter elements APE86o1 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 APE86o1 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 APE86o1 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

