



Filter housing APFFo8o-o1

Design / capacity		
Connection		DN 8o flange
Nominal capacity		14oo m³/h with APE86o1 at 1 bar (abs.) and 2o°C at 7 bar g
Maximum capacity		294o m³/h with APE86o1 at 1 bar (abs.) and 2o°C at 16 bar g
Maximum working pressure		16 bar g
Material		Carbon steel
Operating temperature maximum		8o°C
Coating inside / outside		corrosion protection layer
Colour outside		RAL 5o1o (powder coated)
Fixing element		Rp Tie rod
Condensate drainage connection		1/2" female thread
Dimensions in mm	A	872
[Dimension drawing on the last page]	B	116
	C	36o
	D	285
	E	51o
Weight in kg		42,7

Scope of supply		
Housing		APFFo8o-o1
Filter element		APE86o1
Quantity		1
Types of condensate drainage:		
SMA - MF1 - MFO - FF5 - VF25		D2oo
DSF - DF1 - DMF, CA		HAM12

Norms		
Pressure vessel standard		2o14/68/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 direction	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	Borosilicate microfiber fabric
Pre- and final filtration	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 direction	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
Final filtration	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 direction	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 final filtration	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 APE86o1

Type	Particle filtration	Residual oil content	Working temperature [°C]		Differ. pressure [mbar]		Replacement	ISO classes*	
	[micron]	[mg/m³]	max.	rcommended	new	moistened		particle	oil
APE86o1SMA	0,01	0,01	120	50	85	130	1 year	1	1
APE86o1MF1	0,1	0,1	120	50	75	100	1 year	1	2
APE86o1MFO	1	0,5	120	50	60	95	1 year	2	2
APE86o1FF5	5	5	120	-	55	80	1 year	3	4
APE86o1VF25	25	10	120	-	45	50	1 year	5	5
APE86o1CA	-	0,003	25	-	75	-	every 300-400 op. hours	-	1
APE86o1DSF	0,01	-	120	50	85	-	1 year	1	-
APE86o1DF1	0,1	-	120	50	75	-	1 year	2	-
APE86o1DMF	1	-	120	50	60	-	1 year	2	-

*Compressed air quality according ISO 8573-1:2010

Dimensional drawing

