



Filter housing FF200-07

Design / capacity		
Connection		Rp DN 200 female thread
Nominal capacity		9800 m³/h with FE8601 at 1 bar (abs.) and 20°C at 7 bar g
Maximum capacity		20580 m³/h with FE8601 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	1706
[Dimension drawing on the last page]	B	288
	C	800
	D	715
	E	760
Weight in Kg		200

Scope of supply	
Housing	FF200-07
Filter element	FE8601
Number	7
Types of condensate drainage:	
SMA - MF1 - MFO - FF5 - VF25	D200
DSF - DF1 - DMF, CA	HAM12

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

Options	
Differential pressure gauge	DPN-FF
Level-controlled condensate drain	KN30



Filter elements FE8601 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 FE8601 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 FE8601 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 FE8601

Typ	Partikelfiltration [Mikron]	Restölgehalt [mg/m³]	Betriebstemperatur [°C]		Differenzdruck [mbar]			ISO Klassen*	
			maximal	empfohlen	neu	benutzt	Wechsel bei	Partikel	Öl
FE8601CA	-	0,003	25	-	75	-	semi-annual	-	1
FE8601DF1	0,1	-	120	50	85	-	400	2	-
FE8601DMF	1	-	120	50	75	-	400	2	-
FE8601DSF	0,01	-	120	50	100	-	400	1	-
FE8601FF5	5	5	120	-	40	75	400	3	4
FE8601MF1	0,1	0,1	120	50	85	185	400	1	2
FE8601MFO	1	0,5	120	50	75	150	400	2	2
FE8601SMA	0,01	0,01	120	50	100	240	400	1	1
FE8601VF25	25	10	120	-	30	50	400	5	5

*Erzielte Druckluftqualität gemäß ISO 8573-1:2010

Dimensional drawing

