KSI ECOCLEAN® | Technical Data Sheet

Vacuum filter APF93VMS with filter element APE91VMS

Rev 01_0625

Filter housing APF93VMS

Design / capacity		
Connection		Rp 3/4“ female thread
Nominal capacity		14 m³/h with APE91VMS at 500 mbar
Maximum capacity		25.5 m³/h with APE91VMS at 917 mbar
Maximum working pressure		-0,917 bar
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**	328
[Dimension drawing on the last page]	**B**	23
	C	104
	D	98
Weight (incl. element and drainage)		1.9 Kg
CE norm		CE free according 2014/68/EU

Scope of supply	
Housing	APF93VMS
Filter element	APE91VMS
Ball valve 1/2“	KH12
Drain flask	SG

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

Capacity filter elements APE91

Type	Particle filtration	Residual oil content	Working temperature [°C]		Differential pressure [mbar]			ISO classes*	
	[micron]	[mg/m³]	maximum	recommended	new	moistened	replacement	particle	oil
APE91VMS	0.01	0.01	50	50	66	-	every 12 months	-	3

compressed air quality according ISO 8573-1:2010*

Correction factors														
Vacuum	mbar	10	50	100	200	250	300	400	500	600	700	800	900	1000
	factor	0,01	0,05	0,1	0,2	0,25	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1

Multiply the capacity of the filter by the correction factor in the upper table.

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Design	
Flow direction	from outside to inside
Material end caps	plastic (temperature resistant up to 80 ° C)
Support body inside and outside	stainless steel
Filtration medium	borosilicate microfiber fabric
1st Phase	foam support body
2ndPhase	final filter fleece
3rd Phase	depth filter medium, impregnated
4th Phase	fine filtration / depth filtration
Bonding end caps	two-part epoxy resin
Distinctive characteristics	technically silicone-free
Cavity volume at 20°C	96%

Dimensional drawing