

A tall, white, rectangular industrial oil smoke filtration system. The unit features three circular ports on the left side, a digital display in the center, and a control panel on the right. A large circular outlet is located at the bottom right. The MANN+HUMMEL logo is printed in green on the front panel.

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ScandMist 100R
Oil smoke filtration
system

ScandMist

ScandMist 100R

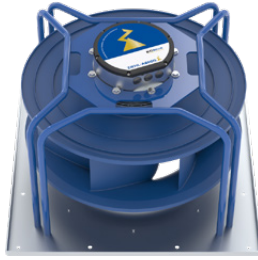
Oil smoke filtration system

General	Product	Units	ScandMist 100R Gen 2.5
	Application		Neat oil
	Capacity (nominal)	CFM	600
	Part Number		A1B20DB000000A
Connections	Inlet type		Jacobs
	Inlet Diameter	Inches	8
	Drain		2 off, 2" Threaded (BS 21) Female
	Air Inlet Options		Left/Right
	Exhaust		On top
Filters	Filters/Stage		1
	Pre-filter		Not included
	Stage 1 Filter		9709006037
	Stage 2 Filter		9709006038
	Stage 3 Filter		5211343315
	Final Pressure Drop	Pa	2040
Motor Options	Type		Electrically commutated
	Part number		9709016094
	Quantity		1
	Mains Supply		3- 400V 50Hz/60Hz
	Ventilation		TEFC
	Power	HP	5
	Maximum Current	A	4,6
	Speed	RPM	Max 4100
	Environmental Protection		IP54
Physical properties	Width	Inches	30
	Height	Inches	73
	Depth	Inches	26
	Weight	lbs	Clean filters: 463, Wet filters: 584
	Noise Level	dB(A)	<69
	Fan		Backward Bent Blades
	Finish		Powder coating inside and outside
Controls	Control System		Micaflex MF-PFA
	Differential Pressure Gauges		3 off
Options	Oil pump		Not included
	Level sensor		Not included
	Spray		Not included
	Silencer		Insulated fan housing

*At final pressure drop

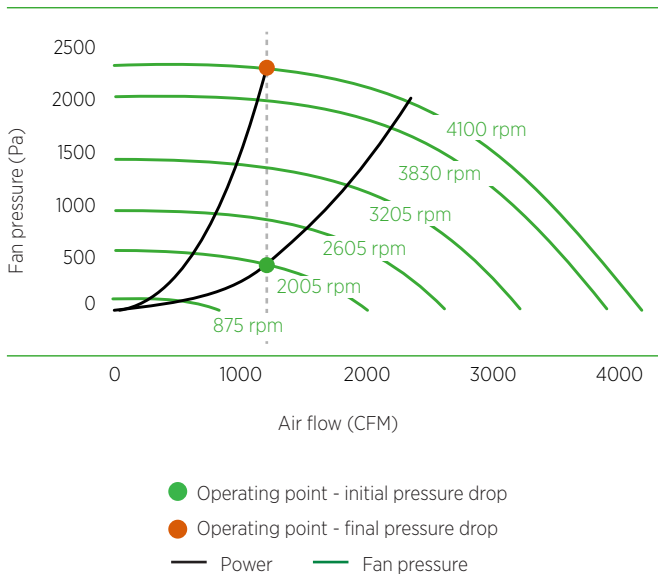
EC fan and motor

The standard EC fan and motor delivers good energy efficiency with quiet operation.



Connecting interface

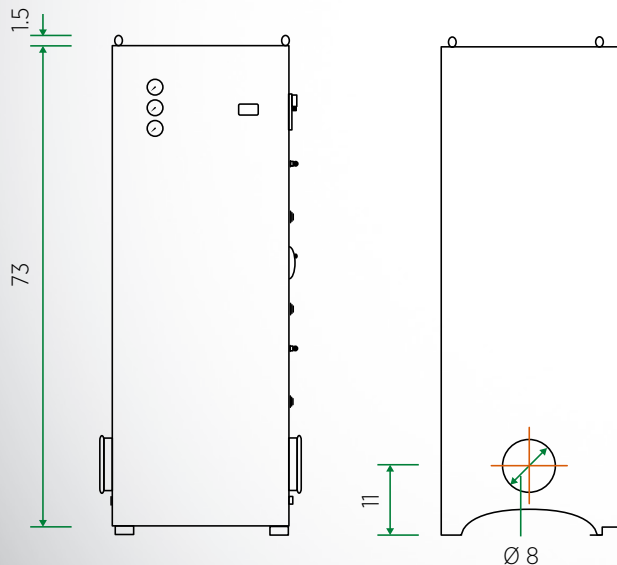
Wiring via a Harting male/female connector. Quick and easy installation with all connecting interfaces at one spot.



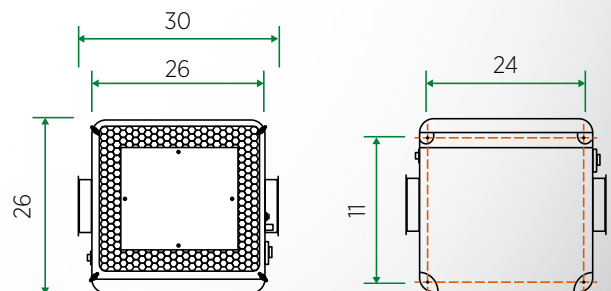
Power		Signal exchange		
1	L1	1	+24V	Power
2	L2	2	M	
3	L3	3	ON/OFF	Machine or switch
4	N	4	M	
5	PE	5	AL1	Alarm 1, Motor/Power
		6	M	
		7	AL2	Alarm 2, System pressure high/low/operation signal
		8	N	
		9	AL3	Alarm 3, System pressure high/low/operation signal
		10	N	
		11	Reset	Reset for alarms
		12	N	
		13	AI2	Analog output 2 of Micaflex MF-PFA
		14	N	

Dimensions and weight

Units: Inches



Weight	lbs
Empty	341
Clean filters	462
Wet filters	583





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