

FluidPro™ 1050

Membrane Air Dryer Technical Data Sheet

555734-88-N NPT Fittings

555734-88 BSPT Fittings

SPECIFICATIONS

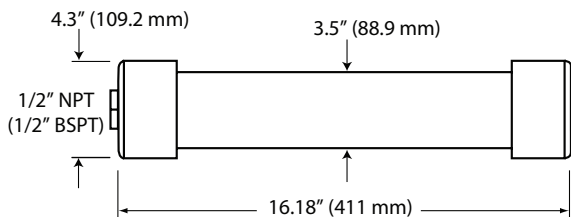
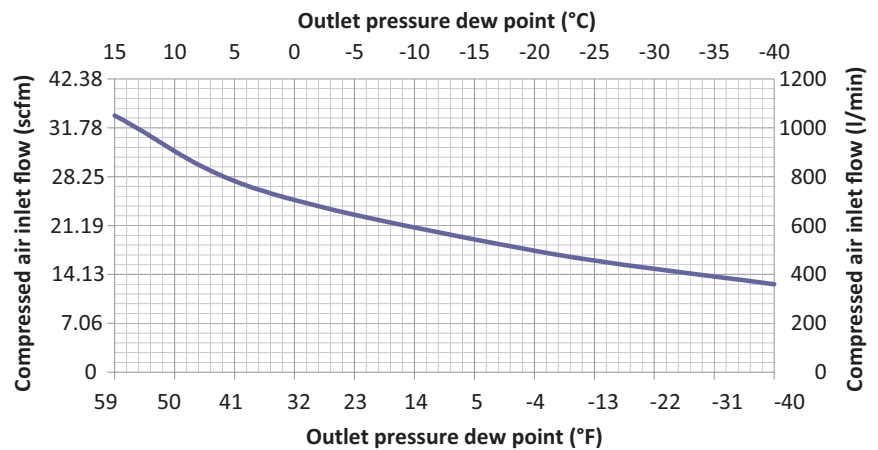
Component	Material/Value
Shell Material	Anodized aluminum (blue)
End Cap Material	Nylon (black)
Connection	1/2" NPT (1/2" BSPT)
Mounting Orientation	Any
Temperature Range	+35 to 140°F (+2 to 60°C)
Operating Pressure	up to 181.3 psig (12.5 barg)
Requested Particulate Filter	1 µm
Requested Coalescing Filter	0.01 µm
Pressure Drop	0.73 to 5.8 psi (0.05 to 0.4 bar)
Weight	4.39 lb (1.99 kg)

PERFORMANCE DATA

@102 psi (7 barg), pressure dew point suppression from 95°F (35°C) to :										
		59°F (15°C)		37.4°F (3°C)		-4°F (-20°C)		-40°F (-40°C)		
		Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	
Compressed air flow - scfm (Lpm)		37.08 (1050)	33.44 (947)	26.37 (746.8)	22.74 (643.8)	17.51 (496.9)	13.91 (393.9)	12.72 (360.1)	9.08 (257.1)	
Purge air - scfm (Lpm)		3.64 (103)								

Purge tolerance +3% of maximum inlet flow range

Dew point suppression from 95°F (35°C) at 102 psig (7 barg) to:



Performance Correction Factors for Different Pressures

For maximum flow rate, multiply flow rate shown in the above table by the correction factor corresponding to the working pressure.

Operating Pressure psi (barg)	58 (4)	73 (5)	87 (6)	102 (7)	116 (8)	131 (9)	145 (10)	160 (11)	174 (12)
Correction Factor	0.41	0.56	0.76	1	1.22	1.48	1.76	1.86	2.22

Disclaimer: Specifications subject to change.