

FLUIDPRO™ 2050

MEMBRANE AIR DRYERS

DRY AIR WITH LOW PURGE AIR CONSUMPTION FOR COMPRESSED AIR APPLICATIONS

555736-88-N (FluidPro 2050), omit -N for BSP version

555736-88-N-PF (FluidPro 2050 with prefilter), omit -N for BSP version



COMPACT, RELIABLE, & COST EFFECTIVE AIR DRYING TECHNOLOGY

The reliable and predictable performance of pneumatic equipment and instrumentation saves money by reducing component failures, warranty costs, and improving equipment performance and operator satisfaction.

The FluidPro air dryer technology is proven to provide pneumatic equipment and instrumentation with clean, dry compressed air. This reliable drying technology helps ensure that no condensation, oxidation, and microbiological growth occur in compressed air equipment.

Features and Benefits

- Proven air technology with consistent and predictable performance
- Compact and lightweight, easily integrate into existing compressed air systems
- Low purge air consumption
- Silent operation, no moving parts
- No electricity
- 24/7 Attendance free operation

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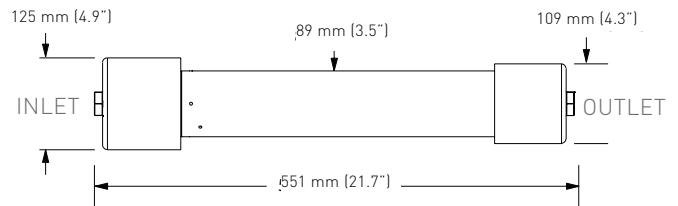
SPECIFICATIONS

COMPONENT	MATERIAL/VALUE
FluidPro port connection	12.7 mm (1/2"); specify BSP or NPT
Recommended Coalescing Filter*	0.01 mg/m ³
Air Dryer Housing Material	Anodized Aluminum (blue)
Air Dryer End Cap Material	Nylon (black)
Air Dryer Module Mounting Orientation	Any
Maximum Operating Temperature	80°C (176°F)
Maximum Operating Pressure	12.5 barg
Pressure Drop	0.05 to 0.4 barg (0.7 to 5.8 psig)
*FluidPro prefilters are now available. Contact your Pentair Sales Representative for more information.	

PERFORMANCE DATA

	@ 7 barg (100psi), pressure dew point suppression from 35°C (95°F) to :							
	15°C (59°F)		3°C (37°F)		-20°C (-4°F)		-40°C (-40°F)	
	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
Compressed air flow - scfm (Lpm)	2050 (72.4)	1845 (65.2)	205 (7.2)	1530 (54.0)	1325 (46.8)	980 (34.6)	775 (27.4)	710 (25.1)
Purge air - scfm (Lpm)	205 (7.2)							

Purge tolerance +3% of maximum inlet flow range



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 barg (psig)	4 (58)	5 (73)	6 (87)	7 (100)	8 (116)	9 (131)	10 (145)	11 (160)	12 (174)
Correction Factor	0.4	0.6	0.8	1	1.2	1.5	1.8	1.9	2.2

Disclaimer: Specifications subject to change.

Typical FluidPro Pressure Drop

