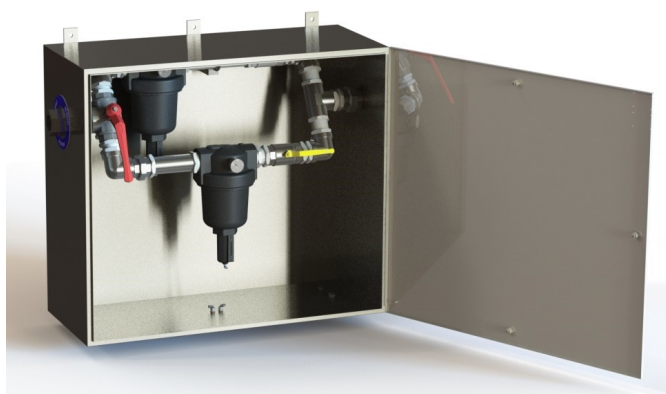


In-Line Air Filter Units for Large Motor Purge Systems

Solutions for poor air quality

IEC ATEX Ex CE UL DNV GL ISO 9001



Advantages

- Packaged solution for compressed air filtration for Expo motor purge systems where the specifications cannot be guaranteed.
- Extends the life of the purge system
- Parallel filter lines for 100% uptime
- Robust stainless-steel construction
- Flow capacities up to 14,000 NI/min (494 SCFM)

Overview

To ensure long, trouble-free service, Expo's purge systems require good quality instrument quality compressed air.

This is especially important for motor purge systems, where motors are expected to run for very long periods without un-planned stoppage.

Expo recommends instrument air specifications as follows (In line with : BS ISO 8573-1 : 2010):

Contaminant	Air Specification
Particles per m ³	0.1 – 0.5 micron: <20,000
	0.5 – 1.0 micron: <400
	1.0 – 5.0 micron: <10
Humidity	Dew point at least 10°C (50°F) below ambient. Never greater than 3°C (37°F).
Oil per m ³	< 0.1mg

In cases where the air supply cannot be guaranteed to continuously meet this specification, Expo offer in-line filter units to pre-condition the purge air.

Specifications

The system comprises a stainless-steel enclosure with two parallel filter lines. The filters are sized appropriately for the required flow rate. Each filter line can be isolated and blown down for maintenance or change-out, while maintaining flow through the other line, ensuring 100% purge system and motor uptime.

	Size 5 (1")	Size 7 (2")
Air flow rate (maximum)	ASU-0000-008	ASU-0000-009
	6,000 NI/min (212 SCFM)	14,000 NI/min (494 SCFM)
Connections	1" NPTF	2" NPTF
Supply line (recommended)	1" pipe	2" pipe
Enclosure dimensions	750mm x 600mm	1100mm x 950mm
	x 275mm (29.5" x	x 476mm (43.3" x
Air pressure	Instrument quality air matched to purge system supply pressure.	