

L-Series

In-Line Low Airflow Applications

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Air Sentry® In-Line Filter/Dryers remove water vapor and solid contaminants from air exhaust lines, low pressure compressed air lines, vacuum lines, and other in-line airflow applications where clean, dry air is required.

Air enters the filter/dryer in one end and is cleaned and dried before leaving the other end. Solid particles are removed down to 2 microns. Water vapor is removed as the air passes through a bed of silica gel. The units are disposable and easy to install in the airline between a compressor and a hydraulic tank, or other similar applications.

Activated carbon versions are ideal for removing undesirable fumes and odors from air or other gases being vented to the atmosphere.



Typical applications include:

- AIR EXHAUST LINES
- VACUUM LINES
- LOW PRESSURE COMPRESSED AIR LINES

Benefits

- Minimize rust and corrosion
- Reduce component wear
- Reduce maintenance costs
- Prolong fluid life
- Reduce oil oxidation
- Enhance lubrication
- Eliminate fumes and odors



Sizing Information

Model #	Length in. (cm)	Diameter in. (cm)	Fitting	Maximum Air Flow cfm	Water Capacity fl.oz (mL)	Type of Medium
L-141	5.5 (14)	2.0 (5.1)	1/2" Female NPT	10 CFM	1.1 (33)	100% Silica Gel
L-142	8.5 (22)	2.0 (5.1)	1/2" Female NPT	10 CFM	1.8 (53)	100% Silica Gel
L-143	5.5 (14)	3.25 (8.3)	1/2" Female NPT	10 CFM	2.0 (59)	100% Silica Gel
L-144	8.5 (22)	3.25 (8.3)	1/2" Female NPT	10 CFM	6.5 (192)	100% Silica Gel
L-241	5.5 (14)	2.0 (5.1)	1/2" Female NPT	3 CFM	—	100% Activated Carbon
L-242	8.5 (22)	2.0 (5.1)	1/2" Female NPT	3 CFM	—	100% Activated Carbon
L-243	5.5 (14)	3.25 (8.3)	1/2" Female NPT	3 CFM	—	100% Activated Carbon
L-244	8.5 (22)	3.25 (8.3)	1/2" Female NPT	3 CFM	—	100% Activated Carbon

Note: Maximum operating pressure is 60 psi (4 bar). Maximum operating temperature is 100°F (38°C).

AIR SENTRY® BREATHERS ON COMPRESSORS

Water entering a compressor through the air intake reduces the life of tools being operated by the system, as well as compressor components. Water can also negatively impact materials being applied by the air system, such as sprayed paint or coatings. A solution to this dilemma is to mount Air Sentry® breathers on the compressor's air intake. Size the breather to handle the required airflow, based on the compressor's horsepower.