

PURELUBE DESICCANT AND AIR BREATHER FILTER

Liquidynamics PureLube desiccant breathers are a unique, patented air filter and vapor removal system designed to eliminate water, particulate and vapor contamination from entering storage tanks, drums, industrial equipment, transformers and other fluid reservoirs. Silica Gel desiccant adsorbs up to 40% of its weight in water and turns from gold to dark green to indicate when the breather needs to be replaced. Solid contaminants are removed prior to air entering the water adsorbent desiccant section of the filter by a two micron particulate filter. Another two micron particulate filter at the bottom of the unit prevents any desiccant

dust from entering the storage vessel. Additionally, a layer of activated carbon removes oil vapors, fumes and odors as air is expelled from the storage vessel.

These desiccant breathers are available in a variety of shapes and sizes to fit most any application, the most popular sizes are listed below. Additional sizes and designs are available for applications that require larger quantities of desiccant, metal construction or special connections.

Compact Desiccant Breathers, 10 CFM Max Air Flow

Part Number	Description
710131	2" diameter, 1.35" tall, 1/2" NPTF Fitting
710132	2" diameter, 3" tall, 1/2" NPTF Fitting
710133	3/4" diameter, 1.75" tall, 1/2" NPTF Fitting
710134	3/4" diameter, 3" tall, 1/2" NPTF Fitting

Disposable Desiccant Breathers, 35 CFM Max Air Flow

710100	5" diameter, 3.5" tall, 0.2 lb water capacity, 1" Slip Fitting*
710101	5" diameter, 5" tall, 0.4 lb water capacity, 1" Slip Fitting*
710102	5" diameter, 8" tall, 0.9 lb water capacity, 1" Slip Fitting*
710103	Same as P/N 710102 except with NPT fitting
*900424-01	1" female slip x 1" NPTM dapter fitting

Disposable Desiccant Breather, 100 CFM Max Air Flow

710108	5" diameter, 10" tall, 1.3 lb water capacity, 2" NPTM Fitting
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Disposable Desiccant Cartridge, 250 CFM Max Air Flow

710109	6" diameter, 14" tall, 1.6 lb water capacity, 3" NPTM Fitting
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PURELUBE AIR BREATHER FILTER

Storage tanks "breathe" as fluid and air temperatures vary as well as when fluid is removed or added to storage tanks. This breathing process also introduces contaminants such as dust, dirt, pollen and other particulate matter. A simple solution is to add a breather filter in place of an open vent. The Liquidynamics PureLube Air Breathers are engineered for use on lubricant storage drums, tanks and totes. These breathers come standard with 2" NPTM threads and your choice of 10 micron wire mesh media (94% efficient at 10 micron), 5 micron layered polyester media (98% efficient at 5 micron) or 5 micron pleated paper media (99.3% efficient at 5 micron). The wire mesh and polyester media may be cleaned in a suitable solvent and reused. The paper media is not reusable.

Following is a listing of available breathers and replacement elements:

Part Number	Description
72101	2" NPTM, 10 Micron Wire Mesh Media, 94% efficient
72102	2" NPTM, 5 Micron Polyester Media, 98% efficient
72103	2" NPTM, 5 Micron Pleated Paper Media, 99.3% efficient
72110	Replacement Wire Mesh Media
72111	Replacement Layered Polyester Media
72112	Replacement Pleated Paper Media

