

Introducing the New

Luneta Desiccant Breathers



Protection from Contamination.

Luneta breathers are designed to replace the breather cap or air filter on gear boxes, hydraulic fluid reservoirs, bulk storage tanks, oil drums, oil-filled transformers and other fluid reservoirs. Luneta desiccant breathers adsorb water from the air before it enters your fluid system and remove particulate contaminants as small as 2 microns. The silica gel changes color as it becomes depleted, turning from gold to dark green. It's easy to identify the condition of a breather and quickly replace it, maintaining the cleanliness of the fluid reservoir.

Luneta.com | 888-742-2021

LUNETATA
SMART PRODUCTS • RELIABLE MACHINES



Strong Outer Casing
 Isolation Check Valve
 Vacuum/Pressure Gauge
 Isolated from Exhaust Air
 Modular Design Allows Customization

Luneta Desiccant Breathers

G-Series

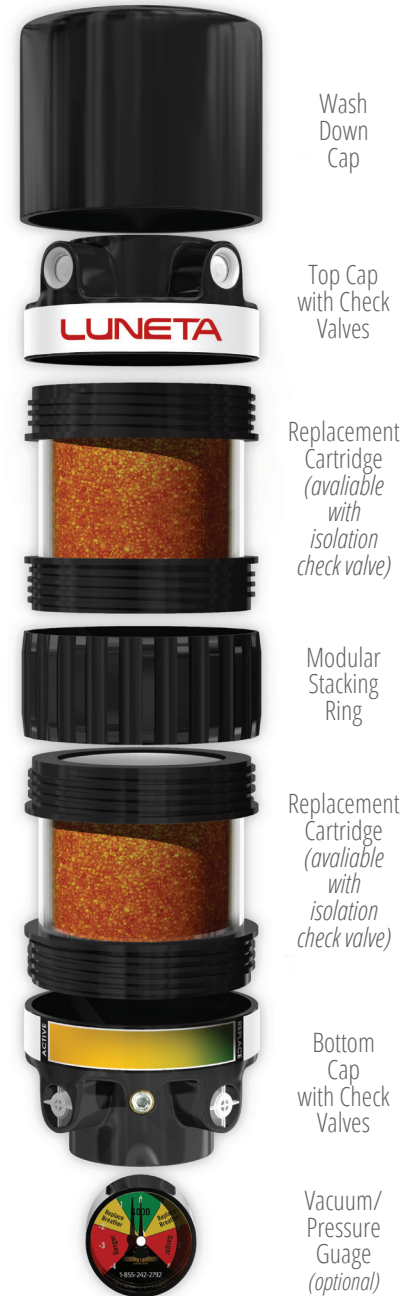
Luneta's G-Series breathers feature an isolation check valve that keeps exhaust air from depleting the desiccant and protects from volatile fumes and splashing fluids. The G-Series casing is constructed from Tritan®, a patented material highly resistant to impact and chemicals with a broad range of operating temperatures. These unique features equate to a longer life for your breather and your equipment. Ideal for most applications: The only desiccant breather design that is recommended for most fuel applications.

Model #	Check Valve PSI In/Out	Height Inches (cm)	Diameter Inches (cm)	Mounting Connection	Max Adsorption Capacity fl oz. (mL)	Max Air Flow cfm	Max Reservoir Fluid Flow gpm	Includes Gauge	Includes Check Valve	Replacement Cartridge Model #
L5S1NC	0.1/0.1	9 (22.3)	5.125 (13.2)	1" FNPT	9.2 (272)	25	187	No	Yes	LRC5SC
L8S1NC	0.1/0.1	12 (30.5)	5.125 (13.2)	1" FNPT	17.2 (508.7)	25	187	No	Yes	LRC8SC
L5S1BGC	0.1/0.1	9 (22.3)	5.125 (13.2)	1" FBSP	9.2 (272)	25	187	Yes	Yes	LRC5SC
L8S1BGC	0.1/0.1	12 (30.5)	5.125 (13.2)	1" FBSP	17.2 (508.7)	25	187	Yes	Yes	LRC8SC

Model #	Accessories	Description
LGMSR	Stack Ring	Add more cartridges which lengthens the breather service life
LGSWDC	Wash Down Cap	Prevents spray from wash downs into check valves in the top cap

Specifications

- **Compound Vacuum/Pressure Gauge:** A true-life accurate indicator of filter conditions
- **Isolation Check Valve:** Keeps exhaust air out and protects from volatile fumes and splashing fluids
- **Recommended Temperature Range:** -20° F (-29° C) to 200° F (93° C)
- **Type of Medium:** 100% Silica Gel





High Humidity/
High Dust Applications
Strong Outer Casing
Isolation Check Valve
Vacuum/Pressure Gauge
Isolated from Exhaust Air

Luneta Desiccant Breathers

X-Series Breathers

Luneta's X-Series Breathers are the perfect solution for high humidity and high dust environments.

To extend the desiccant's life, the X-Series incorporates 2 check valves and a reusable top cap. The check valves provide a closed system until airflow is required, extending the service life of the desiccant. Specifically, the intake check valve allows airflow into the breather only when differential pressure between the atmosphere and fluid reservoir exceeds a 0.1 psi threshold, while the exhaust check valve permits air to exit the reservoir when the differential pressure exceeds a 2.0 psi threshold. A 0.1 psi check valve is also available for exhaust.

When the gold silica gel has turned dark green, remove the reusable top cap from the bottom desiccant cartridge, dispose of the spent dark green desiccant cartridge, then use the same top cap with a replacement cartridge.

Model #	Check Valve PSI In/Out	Height Inches (cm)	Diameter Inches (cm)	Mounting Connection	Silica Gel lbs (kg)	Max Adsorption Capacity fl ounces (mL)	Max Air Flow cfm	Max Reservoir Fluid Flow gpm	Type of Medium	Uses Replacement Cartridge
LX100	0.3/0.3	6.25 (15.9)	3.25 (8.3)	1/2" FNPT	0.8 (0.4)	4.91 (145)	10	75	100% Silica Gel	LL143
LX503	0.3/0.3	7 (17.8)	5 (12.7)	1" MNPT	1.4 (0.6)	8.6 (254)	20	150	100% Silica Gel	LA345

Model #	Accessories	Description
LGSWDC	Wash Down Cap	Prevents spray from wash downs into check valves in the top cap

Specifications	Typical Applications
Recommended Temperature Range: -20° F (-29° C) to 200° F (93° C)	Paper Mills, Wash-Down Areas, Steam Cleaning Rooms, and Mine Quarries



Disposable
 Stationary Applications
 High Impact ABS
 Easy Inspection

Luneta Desiccant Breathers

D-Series Breathers

Luneta's D-Series breathers are designed to satisfy the requirements of most stationary fluid management applications. The breather provides application flexibility by using 100% silica gel for moisture adsorption or 100% activated carbon for fume and odor control, or both when necessary. D-Series models feature 2-micron solid particle filtration and are available with airflow ratings of 20 cfm.



NEW

DEPLETED

The D-Series is constructed of industrial grade raw materials, tested to ensure a wide range of chemical compatibilities, and features high impact resistant ABS top and bottom caps. The clear acrylic tube makes it easy to inspect the condition of the color-changing silica gel from a distance. The silica gel turns from gold to dark green to visually indicate the adsorption of moisture and confirm the breather is getting the job done.

Model	Height Inches (cm)	Diameter Inches (cm)	Mounting Connection	Silica Gel lbs (kg)	Max Adsorption Capacity fl ounces (mL)	Max Air Flow cfm	Max Reservoir Fluid Flow gpm	Type of Medium
LD103	8 (20.3)	5 (12.7)	1" MNPT	2.7 (1.2)	16.56 (489)	20	150	100% Silica Gel

Specifications

Recommended Temperature Range:
 -20° F (-29° C) to 200° F (93° C)

Typical Applications

Storage Tanks, Fluid Reservoirs, Transformers, Pumps, and Gearboxes