

MAGNUS CAP



High-Performance Compact Breather Filter for Industrial Applications.

ROBUST CONSTRUCTION

Robust housing, designed for hostile environments, with resistance to vibrations, water washdown, snow, dust, and moderate impacts. Available in 100g, 300g, and 500g capacities.

HIGH-CAPACITY DESSICANT TECHNOLOGY

- ✓ High capacity: Surface area $>750 \text{ m}^2/\text{g}$.
- ✓ High density: Robust granules for greater durability.
- ✓ Ready to use: Residual moisture $<2\%$.
- ✓ Active protection: Neutralizers that eliminate corrosive acids.



SMART-FLOW SYSTEM

- Protection system that keeps the desiccant core completely sealed against ambient moisture, activating only when necessary (from a 0.1 bar pressure differential). This technology greatly maximizes the service life of the desiccant medium.

ROBUST CONNECTION

- Stainless steel connectors in $\frac{3}{4}$ " and 1" NPT sizes, ensuring superior vibration resistance and optimized sealing for permanent, leak-free installations.

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TECHNICAL INFO

	100	300	500	500-S
Desiccant Quantity	100 gr.	300 gr.	500 gr.	500 gr.
Maximum Airflow	20 cfm	20 cfm	20 cfm	20 cfm
Diameter	120 mm.	120 mm.	120 mm.	120 mm.
Height	90 mm.	100 mm.	130 mm.	130 mm.
Smart-Flow System	Yes	Yes	Yes	Yes
Materials	PET or Carbon Fiber or Military-Grade Acrylic			
Connection	Stainless Steel ¾" NPT – 1" NPT			
Particulate Filter	2 microns			
Desiccant Surface Area	>750 m ² /g			
Residual Moisture	< 2%			
Color	Orange to green. Cobalt-free.			

PRODUCT OVERVIEW

The **CAP Series** protects critical equipment (gear boxes, load bearings, tanks) in **extreme environments** with vibration, humidity, dust, acids, and impacts.

For **bottom venting**, the **CAP 500-S model** is the ideal solution.

All models include the **Smart-Flow system**, which seals the desiccant until it reaches 0.1 bar of pressure, maximizing its service life.

The **desiccant core** contains **neutralizing additives** that capture and neutralize acid gases, radically improving the quality of the intake air and protecting the asset.

Thanks to its construction, it is ideal for mining, quarries, sugar mills, port equipment, and steel mills.

APPLICATIONS

Gearboxes and load bearings with capacities of up to 800 liters.

Tanks and reservoirs, such as drums and totes (IBCs).