

Rittal – The System.

Faster – better – everywhere.

Prevent Moisture Damage with Rittal Enclosure Breather Valves

Why Moisture Builds Up in Enclosures

When enclosures are exposed to changes in ambient conditions they are subject to daily temperature fluctuations. During the day, air inside the enclosure can heat up, causing it to expand. At night, the cooler ambient air temperature causes the air inside the enclosure to contract, creating a vacuum. This vacuum effect is strong enough to pull in moisture through capillary action to create condensation, even if the gasket seals are intact and of high quality.

The Dangers of Moisture in Enclosures

Moisture inside an enclosure can lead to several issues, including:

- Corrosion
- Electrical Failures
- Mold and Mildew



Enclosure Breather Valve

Part Number	Description	Material	Packaging Units	Color
2459000	Enclosure Breather Valves ensure long-term protection and reliability for your equipment by allowing air to flow in and out of the enclosure, equalizing internal and external pressure differences.	Polyamide	6 pc(s).	Similar to RAL 7035

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How the Breather Valve Solves the Problem

The breather valve offers a simple and cost-effective solution to prevent condensation inside enclosures, offering:

- **Pressure Equalization:** The valve allows air to flow in and out of the enclosure, balancing the internal and external pressure differences caused by temperature changes
- **Vacuum Prevention:** By allowing air into the enclosure, the valve eliminates the vacuum that draws moisture inside
- **Universal Application:** Suitable for any push button, junction box, wall mount, or AX enclosure, the valve can be easily installed to provide immediate protection against moisture damage



Key Features

- **Inexpensive:** A budget-friendly solution that offers significant protection
- **Easy Installation:** Can be retrofitted into existing enclosures without the need for extensive modifications
- **Reliable:** Provides long-term protection to ensure the longevity of your enclosure and components

Protect Your Investment Today

Don't let moisture compromise the integrity of your enclosures; ensure your equipment remains dry, functional, and free from corrosion and electrical failures with the Rittal enclosure breather valve. Contact your local Rittal representative today for further information.

You can find the contact details of all Rittal companies throughout the world here.



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