

Enclosed Busbar Micro Positive Pressure System

This system protects isolated phase busbars using micro positive pressure. It is available as a closed busbar micro positive pressure device, a micro positive pressure hot air circulation maintenance device, a closed busbar air circulation drying device, or a dust removal and dehumidification device.



ADDITIONAL IMAGES



System Overview

Advanced Busbar Environmental Control

This system ensures the long-term reliability of enclosed busbar installations by maintaining an optimal internal environment. Through micro-positive pressure, hot air circulation, and advanced drying technologies, it prevents the ingress of moisture, dust, and corrosive elements. These features effectively eliminate condensation and freezing risks, ensuring consistent insulation strength and operational safety in diverse environments, including nuclear, thermal, and hydropower plants.

Technical Performance

Dew Point Maintenance

-30 °C

Target Dew Point

Adsorption Conversion Time	6 to 8 hours
Common Box Busbar Tightness	IP54

Operational Features

Key Functions

- Micro positive pressure air filling
- Hot air circulation maintenance
- Molecular sieve drying
- Dust removal
- Closed-loop air circulation

Automation Control	Humidity Meter, Time Controller, Automatic Operation
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Application Compatibility

Suitable Environments

Coastal Areas • High Humidity Regions • Outdoor Installations • Indoor Installations

Industry Applications

- Nuclear Power Units
- Thermal Power Plants
- Hydropower Units
- Reconstruction Projects