

# Varistar LHX+ Cabinet with 5 and 10 kW Air/Water Heat Exchanger

CONNECT AND PROTECT

FOR HIGH-PRECISION TESTING AND MEASUREMENT

## NVENT SCHROFF VARISTAR LHX+ WITH 5 OR 10 KW AIR/WATER HEAT EXCHANGER

The Varistar LHX+ electronic cabinet including air/water heat exchanger with 5 kW or 10 kW cooling capacity is well-suited for applications where a fully sealed cabinet is required.



Cooling capacity from 5 kW up to 10 kW



Remote monitoring and control



Temperature regulation of +/- 0.1 K



Static load of 1,000 kg



EMC protection



Protection class IP 55

### ADVANTAGES AND FEATURES

- **Scalable:** By exchanging the 5 kW heat exchanger for a 10 kW heat exchanger, the cooling capacity can be adapted. The infrastructure in the cabinet remains unchanged.
- **Future-oriented:** When the number of complex electronics in the cabinet increases and the power density along with it, only the heat exchanger must be replaced to achieve higher cooling performance.
- **Hot-swap applicable:** The fan cassettes can be replaced without tools during operation.
- **Space-saving:** Available starting at 600 mm x 800 mm (WxD) base area per cabinet.
- **Precision control:** Controller with precise temperature regulation accuracy of +/- 0.1 K.
- **Greater productivity, higher safety:** Configuration and monitoring of the cooling unit via display on the front door. Remote control via Ethernet interface also possible.

### ORDER INFORMATION

	DESCRIPTION	MODEL NUMBER
Complete solution (heat exchanger and cabinet)	Varistar LHX+ cabinet, 5 kW, IP 55, 2000H 600W 800D	10130-325
	Varistar LHX+ cabinet, 5 kW, IP55, EMC, 2000H 600W 1000D	10130-326
Usable assembly height 35 U	Varistar LHX+ cabinet ,10 kW, IP55, EMC, 2000H 600W 1000D	10130-327
Replacement components	10 kW heat exchanger with two 230 V fans	29714-016
	5 kW heat exchanger with one 230 V fan	29714-017
	Controller	23130-668
	Flow rate and water T° sensor kit	23130-663
	Display and accessories for LHX+	23130-666
	Door contact switch kit	23130-667



# VARISTAR LHX+ CABINET WITH 5 AND 10 KW AIR/WATER HEAT EXCHANGER

## MONITORING

### Controller:

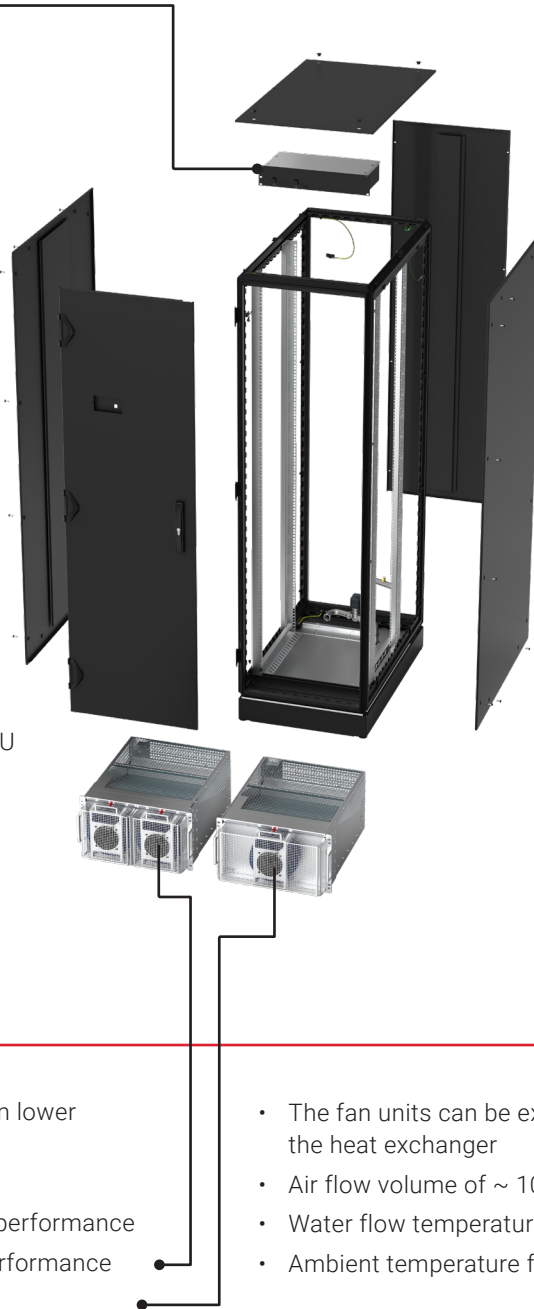
- Separate compact 19" control unit (2 U, with 1 U space usage) in the upper cabinet area
- Clearly marked plug & play sensor connections

### Sensors:

- Temperature regulation accuracy of +/- 0.1 K
- Differential pressure sensor for fan speed control as standard
- Optional coolant flow and temperature monitoring

### Access:

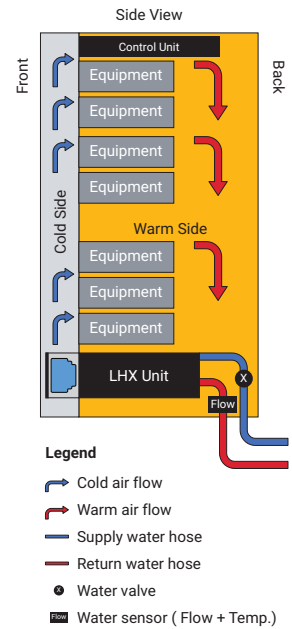
- Terminal with display and keyboard on front door for control without opening the door
- Ethernet interface for access to the cooling unit via web interface, SNMP, Modbus TCP
- Serial interface (RS485) for Modbus RTU
- Communication with guardian gateway management solution possible



## CABINET SPECIFICATION

- Cabinet dimensions 600W x 800D or 1000D
- Lever handle, locks with 333 profile half-cylinder
- Effective cable ducting without negative effect on high IP or EMC functions

### Extensive range of components



## COOLING

### Concept:

- 19-inch heat exchanger (6 U) installed in lower cabinet section
- Scalable cooling performance
  - Double fan unit for 10 kW cooling performance
  - Single fan unit for 5 kW cooling performance
- The fan units can be exchanged without having to replace the heat exchanger
- Air flow volume of ~ 1000 / 1800 m³/h
- Water flow temperature from 6°C to 25°C
- Ambient temperature from 5°C to 50°C

### NORTH AMERICA

#### All locations

Tel.: +1.800.525.4682

### EUROPE

#### Germany

Tel.: +49.7082.794.0

#### France

Tel.: +33.3.88.90.64.90

### Sweden, Norway, Finland

Tel.: +46.8.683.61.00

#### UK, Ireland

Tel.: +44.144.2218.768

#### Poland

Tel.: +48.22.209.98.35

#### Italy

Tel.: +39.02.932.714.1

### ASIA/PACIFIC

#### VR China

Tel.: +86.21.2412.6943

#### Singapore

Tel.: +65.6768.5800

#### Japan

Tel.: +81.45.476.0271

### MIDDLE EAST & INDIA

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#### India

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