

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) Usable assembly height 35 U	Varistar LHX+ cabinet, 5 kW, IP 55, 2000H 600W 800D	10130-325
	Varistar LHX+ cabinet, 5 kW, IP55, EMC, 2000H 600W 1000D	10130-326
	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:

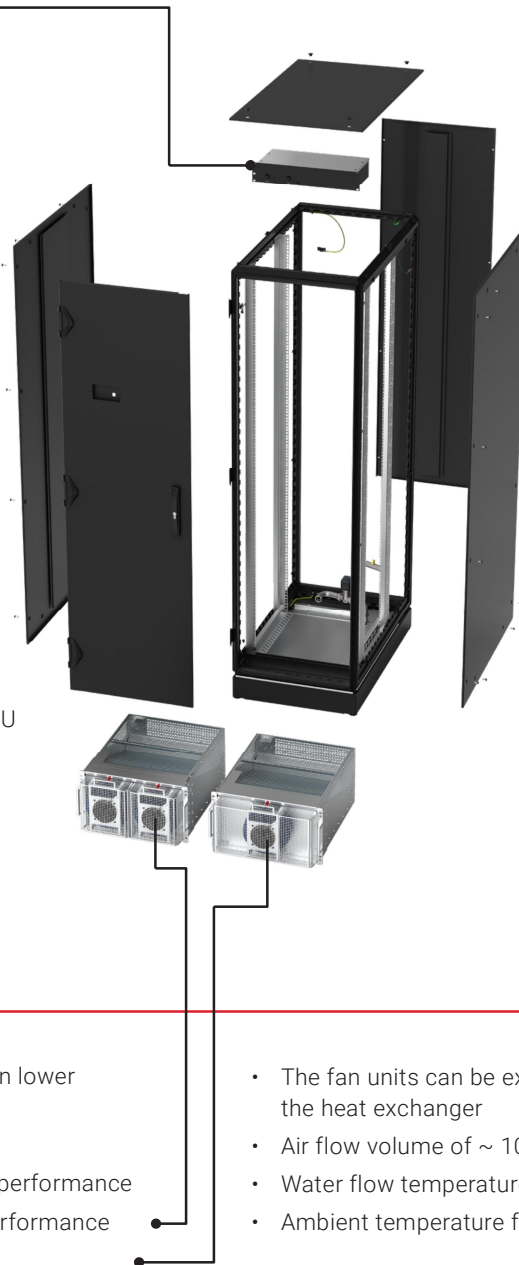
- Separate compact 19" control unit (2 U, with 1 U space usage) in the upper cabinet area
- Clearly marked plug & play sensor connections

Sensors:

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

Access:

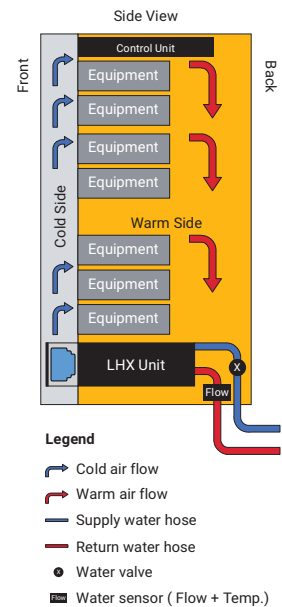
- Terminal with display and keyboard on front door for control without opening the door
- Ethernet interface for access to the cooling unit via web interface, SNMP, Modbus TCP
- Serial interface (RS485) for Modbus RTU
- Communication with guardian gateway management solution possible



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

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UK, Ireland

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Italy

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