

The background of the entire page is a photograph of an industrial setting. On the left, there is a large roll of light-colored, ribbed material, possibly a filter or a membrane, hanging vertically. To the right, an orange robotic arm with the 'ABB' logo is visible, positioned as if it is working on or inspecting the material. The arm has various cables and hoses attached to it. The overall scene is brightly lit, suggesting a clean and modern manufacturing environment.

Superior Quality!

Intelligent concepts, premium components and first class processing



menerga
a systemair company

"On the Top" since 35 years!

The Menerga quality pledge.



➤ **Control and regulation** have always been an integral part of our units and ensure an optimum of operation with a focus on highest energy efficiency.



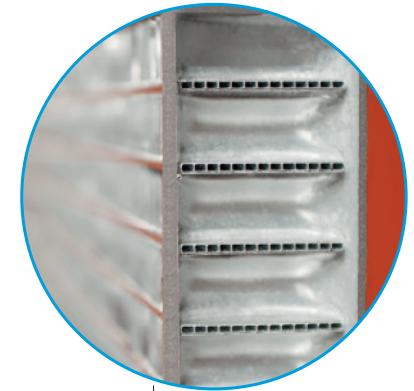
➤ **Bus connection of sensors and actuators** create a failure-free connection, reliable measurements and thanks to integrated LED's they even bring light into the unit.



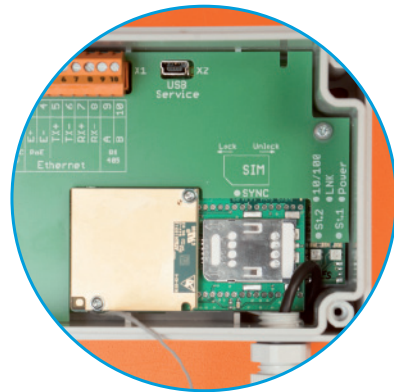
➤ **Solid and thermal bridge free housing** with a steel frame, thermal cladding and for all outdoor units a weatherproof steel roof.



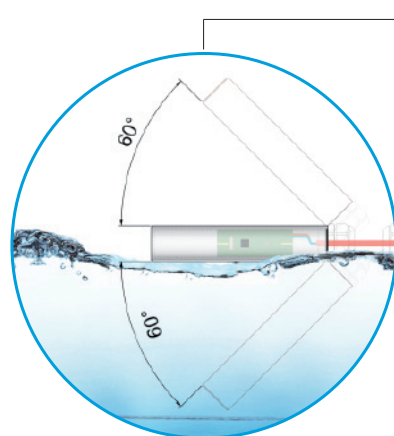
➤ **Indirect adiabatic evaporative cooling** inside the heat exchanger. Hollow cone nozzles guarantee an extremely fine, homogeneous distribution of the water in the return air.



➤ **Microchannel condensers** reduce the CO₂-emission due to a reduced refrigerant volume of 2/3 and a halved airside pressure drop.



➤ **Outside air temperature sensor including GSM-router** wirelessly transfers unit values and assures a connection in real-time.

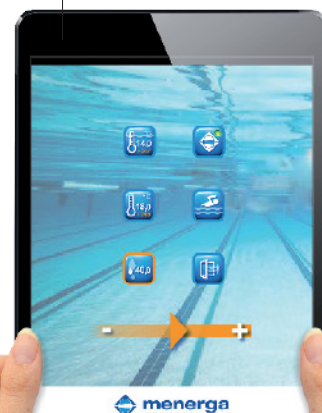


➤ **Level detector including a gyro sensor** in the water tank of the adiabatic evaporative cooling system is constantly monitoring the water level. Extremely low-maintenance!



➤ **CNC-bended pipework** for all compression cooling plants. That means significantly less solder connections and thus fewer weak spots.

➤ **Smartphone solutions** for remote control, worldwide energy and fault monitoring.

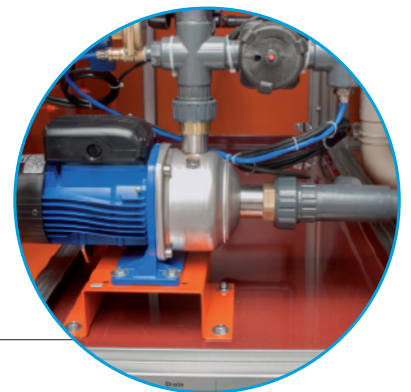


Unit housing MB 50

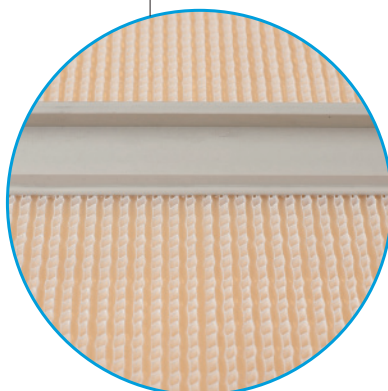
as per DIN EN 1886:

Thermal transmittance:	T2
Thermal bridge factor:	TB1
Mechanical rigidity:	D1
Air tightness class:	L1
Filter bypass leakage class:	up to F9

Coated surface in "wet zones" of the unit.



➤ **Ultra durable heat exchangers**, that are air- as well as water-tight in all areas. We use corrosion-free polypropylene and first class processing.



➤ **Fan walls** with IE4 class motors for better performance and safety and compact units at the same time.



➤ **Recuperation tank**, easy access to the tank of the adiabatic cooling system facilitates service and ensure a complete draining of the system after operation.



Creating a good climate. For over 35 years. Worldwide.



■ Menerga GmbH
Alexanderstraße 69
45472 Mülheim an der Ruhr
Germany

www.menerga.com
info@menerga.com

- Find your sales contact
at www.menerga.com
- Keep up to date:
All news and new products at
www.menerga.com



Menerga actively takes part in certification programs, such as Eurovent Certified Performance Program for the Menerga Air Product range. Check the validity of our certificate on: www.certiflash.com. For more detailed information please contact your sales representative.