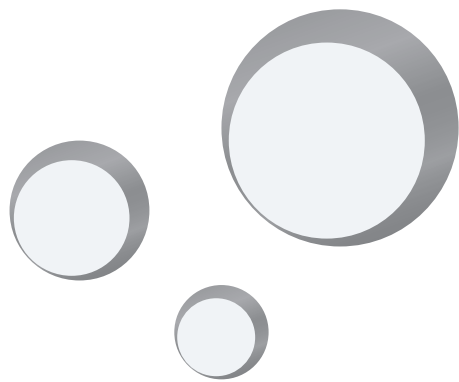


MINITOWER

2022



MINITOWERPLUS THE NEXT GENERATION

We hereby introduce you to an extension from our **MINITOWER** product range. We have developed the **MINITOWERPLUS** through a newly revised control in connection with a new casing design.

The device is available as a water-cooled version and is designed for connection to an existing cooling water line as a system separation. This system separator is available in the version of a water-water cooler without active cooling or as a water-cooled version with active cooling for lower temperatures.

Glass equipment in particular is limited in its pressure range and can therefore often not be connected to existing house cooling systems or drinking water pipes.

This is easily possible with the cooler because the device has its own circuit for the application to be cooled. The pressure can be regulated and read off using a manometer.

Due to the active cooling, the water inlet temperature on the primary side can be higher than the required temperature on the primary side. There is almost no heat to the environment and the noise level is also relatively low with this type of cooler.

The cooler is operated from the front via the capacitive surface, which is easy to understand. All error messages are shown on the display and reported by an acoustic alarm.



RANGE OF APPLICATION

- Rotary evaporator
- Stills
- Soxleth
- Water baths
- and many more

Technical data	FOR EXAMPLE: MINITOWERPLUS 2000-W-RB400
Cooling capacity	2000 W @ 0° C
Ambient temperature	permittet up to +35° C
Pumping capacity max.	10 l/min.
Feed pressure max.	3.5 bar
Connections	3/8" inside threat
Tank contents	5.0 litre
Dimensions W x D x H	280 x 590 x 540 mm
Voltage	230 V/50 Hz
Power consumption	1.1 kW max.
Weight	43 kg
Refrigerant	R449A
Colours	RAL 9016 / RAL 7016

MINITOWERPLUS THE NEXT GENERATION

A powerful feed pump in a magnetically coupled design ensures a good flow through the unit to be cooled. The tank for filling the cooling medium is not visible from the outside in the housing. Filling from above is still possible without any problems.

If there is not enough coolant in the storage tank, this is displayed on the control panel. The device only takes as much water as is necessary to achieve the cooling capacity. When the cooler is switched off, the water consumption is zero. All connections are mounted on the back.

The device can be used without active cooling up to a capacity of 12 kW.

You will find detailed explanations of our system separators in the main catalog on pages 26-31.



COOL SOLUTIONS BY VAN DER HEIJDEN - MAKE USE OF OUR EXPERIENCE



ADVANTAGES

- Higher performance with less space requirement
- Freely configurable
- Adjustable cooling water temperature
- Constant water quality, no lime, no algae constant water pressure
- almost noiseless
- Temperature display via O-LED display
- High temperature constancy possible as an option
- No contamination in the system to be cooled
- Flow temperatures down to -25 ° C possible



MINITOWER WATER-COOLED

This picture shows a water-cooled version of a cooling unit. Thanks to its relatively small dimensions it can be easily positioned inside a laboratory cabinet or similarly confined space. Since the unit releases very little heat into the surrounding area, there is no need for ventilation of the installation location. The unit's performance is sufficient to supply up to three workstations with rotating vaporizers.

The chiller can be operated by the capacitive pad which is easy to understand. All error messages are shown on the display and indicated by means of an acoustic alarm. A powerful magnetic coupled feed pump ensures good flow through the heat exchanger. A static maximum pressure up to 3.5 bar is available. All versions of the cooling unit are low-noise. The coolant tank is also located on the front of the unit, also making it easy to top up after the unit has been installed. The filler cap is an easy to open screw top. A yellow symbol indicates if the coolant level in the reservoir tank is too low. The water side connections are located on top of the unit at the rear. This unit is also available for flow temperatures above zero.

As far as the supplier side for the cooling unit is concerned, this can be provided by the building's own water-cooling circuit or by the drinking water supply pipe. The unit consumes only as much water as it needs to meet the cooling output. When the cooling unit is switched off, water consumption is equal to zero. Everything functions automatically and maintenance- free.



Thanks to a special system, two side panels can be removed very quickly, making everything easily accessible and greatly enhancing the service friendliness of the unit. This unit is also available as a system separator without a compressor (water-water cooler), which means that an output of up to 9 kW can be achieved with the same unit dimensions.



Technical data	MINITOWER 0002-W-RB400 MT
Cooling capacity at -15°C	300 W
Ambient temperature	approved up to 35° C
Pumping capacity max.	10 l/min.
Feed pressure max.	3.5 bar
Connections	3/8" inside threat
Tank contents	3.5 liter
Dimensions W x D x H	275 x 405 x 565 mm (including feet)
Type of current	230 V/50 Hz
Power consumption	0.69 kW max.
Weight approx.	30 kg
Refrigerant	R449A
Colour, frame/panelling	RAL 5003 (blue) / RAL 9002 (grey-white)

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