

Chiller with air-cooled refrigerating unit and circulation pump. Evaporator (cooler), tank and housing of stainless steel. Pressure-suction pump made of industrial plastic material. Digital Temperature adjustment and digital temperature display. Level indicator with sight glass. Temperature control unit without integrated heating.

MPC-Controller:

Modern and easy to use microprocessor controller with a large temperature display.

Limited to essential functions only:

- * Large temperature display
- * LED indicators for pump, cooling and heating
- * Simple operation using only 3 keys

Technical data according to DIN 12876

Operating temperature range	-20...40 (80)*** °C
Temperature adjustment	digital
Temperature indication	digital
Internal temperature sensor	Pt100
Resolution of display	0,1 K
Temperature stability at -10°C	0,5 K
Safety classification	I / NFL
Cooling power	
at 15°C	0,3 kW
at 0°C	0,2 kW
at -10°C	0,14 kW
at -20°C	0,07 kW
Refrigeration machine	air-cooled, natural refrigerant
Refrigerant	R-290 (A3, H220)
Refrigerant quantity	0,041 kg
Gas warning sensor	without
Circulation pump	Pressure- and suction pump
	14 l/min
max. delivery pressure	0,25 bar
max. delivery (suction)	10,5 l/min
max. delivery pressure (suction)	0,17 bar
Pump connection	M16x1 male
min. filling capacity	1,4 l
Volume of expansion	2,6 l
Overall dimensions WxDxH **	225x360x380 mm
Net weight	23 kg
sound pressure level +/- 4 dB(A)	51 dB(A)
Power supply requirement	115V 1~ 60Hz
max. current	4 A
min. Fuse	10A
max. Fuse	16A
Pressure equipment category	4.3 PED
Degree of Protection	IP20
min. ambient temperature	5 °C
max. ambient temperature	40 °C



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Technical details and dimensions are subject to change. No liability is accepted for errors or omissions. Illustrations can deviate from the original.

Included Accessories:

hose connector NW8 #6086, sleeve nuts thread M16x1, blank plug, cover expansion vessel,

Optional accessories:

Drain valve, temperature control / -connection hoses, thermofluids, further accessories, etc.: see catalog.

Output data valid for: Room temperature 20° C. If the ambient temperature rises, the cooling capacity may drop.

in accordance with EN60034-1 the following voltage and frequency tolerances are valid:

Voltage + / - 5% with a simultaneous frequency tolerance of + / - 2%

Technical data according to DIN 12876

Example -5% voltage and + 2% frequency -> not allowed!
-5% voltage and - 2% frequency -> allowed

Information to Electromagnetic compatibility:

Classification (disturbance) to EN55011: Class A, Group 1

Special Case: Acetone and Polyglycol: The plastic pump is not resistant against acetone and polyglycols (depending on the manufacturer).

It is recommended that water is mixed with either glysantine or ethylene glycol for freeze protection. A more resistant plastic is available on request at an additional cost.

Standard delivery conditions - Power cable configuration:

1. Single / two-phase devices (100V to 240V) --> with power cable and country-specific plug (please specify when ordering)
2. Three-phase devices with current consumption less than 63A --> with cable, without plug
3. Three-phase devices with current consumption greater than 63A --> without cable, without plug

This equipment is compliant to US-SNAP and all applicable EU laws. The US-SNAP end-use for this equipment is the industrial process refrigeration. Certification by a Notified Body upon request.

** Please respect space requirements. See operating conditions at www.huber-online.com

*** Permissible temperature in return line 80° C