



Characteristics

Environmentally friendly

- energy-saving fan with EC technology
- natural refrigerant with high efficiency reduces power consumption
- lower refrigerant charge quantities per device

Low operating noise

- due to particularly quiet components
- fan adjusts the speed to the demand

y User-friendly

- easy filling and emptying thanks to integrated filling funnel and drain valve
- leak-free hose replacement thanks to self-sealing hose connector with quick coupling
- no side ventilation grilles enable compact installation

High-quality components

- touchscreen controller with glass screen and integrated digital display of the fill level and pump status
- branded components for a long service life
- refrigeration unit: hermetically sealed, air-cooled, low-maintenance

Operating safety

- freeze-up and thermal overload protection
- optical and acoustical alarm
- error messages are displayed in plain text

Options

- Mobile version
- MODbus interface
- Potential-free alarm contact with connection to an external alarm system
- Voltage input for externally setting the set point
- Voltage output for reading the actual value
- Direct measurement of the application's temperature with an external sensor; by subsequently setting the set point, greater temperature stability can be achieved than with a standard system





Technical data

| Working temperature range | -10°C to +40°C |
|---|---------------------|
| Control accuracy at -10°C | +/- 0,5 K |
| Display resolution | 0,1 K |
| Cooling capacity | |
| at 20°C | 600 W |
| at 10°C | 500 W |
| at 0°C | 350 W |
| at -10°C | 200 W |
| Circulation pump | |
| Flow rate [max.] | 10 l/min |
| Flow pressure [max.] | 0,6 bar |
| Hose connections | 12,7 mm |
| Coolant tank | 1,5 to 4,0 l |
| External dimensions [W×D×H] | 31 x 41,5 x 58,5 cm |
| Installation dimensions [WxD] | 31 x 71,5 cm |
| Weight | 28 kg |
| Noise level [distance 1m] | 49 dB(A) |
| Permitted ambient temperature range | 5°C to 40°C |
| Max. permissible temperature of the coolant | 60°C |
| Electrical connection | 230 V / 50 Hz |
| Power consumption | 380 W |
| Current [max.] | 3,0 A |
| Protection class | IP 20 |
| Class. acc. DIN 12876 | I / NFL |
| Max. operating pressure | 25 bar |
| Refrigerant | R290 (GWP 3*) |

Included in the scope of delivery

- Coolant
- Elbow hose nozzle Ø 12,7mm | self-sealing | with quick coupling

Accessories

- Elbow hose nozzle Ø 10mm | self-sealing | with quick coupling
- Hose Ø 10mm | 16 bar | to -20°C | PVC | with fabric
- Hose Ø 12,7mm | 16 bar | to -20°C | PVC | with fabric
- Hose Ø 10mm | thermo-isolated | 16 bar | to -20°C | PVC | with fabric
- Hose Ø 12,7mm | thermo-isolated | 16 bar | to -20°C | PVC | with fabric
- Hose set Ø 10mm | thermo-isolated | 16 bar | to -20°C | PVC | with fabric | 2x2m
- Hose set Ø 12,7mm | thermo-isolated | 16 bar | to -20°C | PVC | with fabric | 2x2m
- Thermal plate TP

for cooling and thermostating in combination with FRYKA recirculation chillers | plate size according to customer requirements