



- Compact 19" rack enclosure
- Good temperature stability
- Reliable operation
- Low noise and vibration levels
- Low maintenance
- 200 W - 2.4 KW cooling capacity
- Flow rate: 0.5 - 17 l/min. 4 - 12 HU high
- Alternative table top design

The refrigerant compressor cools a stainless steel coil located in the coolant water tank or evaporator plate. A temperature controller monitors the coolant water temperature and controls the refrigerant circuit. The coolant water circuit is designed for use with de-ionised water. The pump, selected to suit the application, pumps the coolant water reliably to the load. The fine filter in the flow circuit and the flow sensor in the return circuit ensure trouble-free operation in the cooling water circuit. The heat is expelled via a fan or transferred to an existing water supply via a heat exchanger.

Equipment functionalities

- Designed for de-ionised water
- High temperature stability "+/- 0.1K"
- Customised alarm dry contacts via 9 pole SUB D on rear panel
- Flow rate measuring & monitoring
- Water level display
- Fan speed control
- RS 232 interface 24VDC external start signal
- Remote start
- 50Hz/60Hz usable

COOLING POWER (WATT)

- 20° Tw / 25° Tu 210
- 20° Tw / 30° Tu 190
- 20° Tw / 35° Tu 170
- 20° Tw / 40° Tu 150

TEMPERATURE STABILITY

- Control type Hot gas bypass, PID

ENCLOSURE

- Size (WxD) mm 19" Slide-in unit,
640mm deep with external filter
- Height HU (1HU=44,5) 4
- Noise (db (A)) < 60
- Weight (approx.) Kg 32

APPLICATION RANGE - TEMPERATURE

- Standard coolant water outlet 10 - 30° C
- Ambient temperature 5 - 40° C
- Storage 0 - 70° C
- Air quantity 320 m³/h
- Air flow Suction via side panel;
expulsion via rear panel

WATER CIRCUIT

- Water filter (F20, 20µm) external
- Water connections 2 x 3/8" internal thread V4A sleeve
- Tank volume (liter) 1,8
- Level display Optical water level display on front panel

STANDARD ALARM INTERLOCKS

WATER CIRCUIT

- Flow sensor
- Default switching point (l/min) 2
- Level monitoring Two vertical float switches
(Warning, Alarm)
- Default high-low temperature alarm 15° C Low, 32° C High temperature alarm, contact at SUB D

REFRIGERANT CIRCUIT

- High pressure 18.5 bar, reset

POWER SUPPLY

- Voltage 230 V +/-110 V (switchable)
- Current (A) 3,1
- Line frequency 50/60 HZ
- Power connections IEC 950 with line filter

PUMPING POWER

- PD1

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