

Water-to-Water Heat Exchanger System FlowCool *Unicus*

The FlowCool *Unicus* is a cooling system without active refrigeration. The process heat is transferred via a heat exchanger to the central cooling water supply (=in-house cooling circuit). The application itself is cooled via its own water circuit (=application cooling circuit). This system offers controllable water quality and runs very quietly. For this reason it is popular in laboratories and other working areas.

The FlowCool *Unicus* can be usefully employed whenever the required or acceptable temperature for the application lies above the temperature of the central cooling water supply. It is supplied ready for connection and equipped with:

- Plastic tank
- Electronic control with digital display
- General alarm
- Remote control
- Plate heat exchanger (stainless steel, copper-brazed)
- Pump
- Pump pressure gauge
- 2-way control valve
- Housing powder-coated steel plate RAL 7043 (traffic grey B)
- Level switch



FlowCool *Unicus*
(with option castors)

Model FlowCool <i>Unicus</i>	FCUN 015	FCUN 024
Net cooling capacity*	kW : 15.8	24.4
Operating range cooling temperature	°C : +10 / +50	+10 / +50
Operating range ambient temperature	°C : +2 / +40	+2 / +40
Temperature constancy****	K : ±2	±2
Rated coolant flow**	m³/h : 2.7	4.2
Pump	type : P3-AR02B	P3-AR02B
Pump pressure***	bar : 2.7	2.2
Tank capacity	litres : 30	30
Water connection (female)	Inch : G 1½"	G 1½"
Power input max.	kW : 0.6	0.6
Operating voltage	volt/Hz/phase : 400/50/3	400/50/3
Weight	kgs : 109	111
Dimensions (WxDxH)	mm : 580x650x845	580x650x845

* at dT 5K between in-house cooling circuit / application cooling circuit.

** at dT 5K in the application cooling circuit between feed and return.

*** pressure at rated coolant flow.

**** other temperature constancies on request.

Alternative units: FCUN 011 and FCUN 040

FlowCool *Unicus* + options / accessories: Cat. No.

FlowCool *Unicus* FCUN 015-NEB GUFCUN015-NEB
FlowCool *Unicus* FCUN 024-NEB GUFCUN024-NEB

Pumpe P4-AS22B instead of P3-AR02B MFCUN6-P4-AS22B-024

Pumpe P8-AN09B instead of P3-AR02B MFCUN6-P8-AN09B-024

Continuous-flow system without tank and/or without pump on request

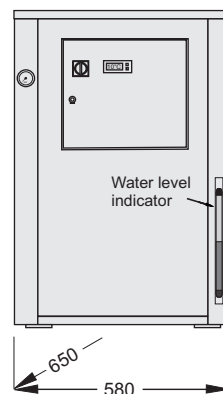
Automatic by-pass valve ZFCUN6-041-024

4 swivel castors, 2 with brakes YFCUN5-021-024

Export version with special voltages / frequencies on request

Additional options and accessories as well as pump alternatives on request.

Front



Reverse

