

### 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 7035 (light grey)
- Level switch



FlowCool *Unicus*  
(with option colour RAL 7043 - traffic grey B)

Model FlowCool <i>Unicus</i>	FCUN 080	FCUN 095	FCUN 110
Net cooling capacity*	kW : 81.0	98.6	110.5
Operating range cooling temperature	°C : +10 / +50	+10 / +50	+10 / +50
Operating range ambient temperature	°C : +2 / +40	+2 / +40	+2 / +40
Temperature constancy****	K : ±2	±2	±2
Rated coolant flow**	m³/h : 13.9	17.0	19.0
Pump	type : P3-AP04B	P3-AP04B	P3-AP04B
Pump pressure***	bar : 3.0	2.7	2.4
Tank capacity	litres : 100	100	100
Water connection (female)	Inch : G 1½"	G 1½"	G 2"
Power input max.	kW : 2.2	2.2	2.2
Operating voltage	volt/Hz/phase : 400/50/3	400/50/3	400/50/3
Weight	kgs : 220	226	238
Dimensions (WxDxH)	mm : < 760x1325x1400 >		

\* 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 060 and FCUN 130

### FlowCool *Unicus* + options / accessories:

### Cat. No.

FlowCool <i>Unicus</i> FCUN 080-NEB	GUFCUN080-NEB
FlowCool <i>Unicus</i> FCUN 095-NEB	GUFCUN095-NEB
FlowCool <i>Unicus</i> FCUN 110-NEB	GUFCUN110-NEB

Pumpe P5-AP07B instead of P3-AP04B MFCUN6-P5-AP07B-110

Pumpe P8-AP09B instead of P3-AP04B MFCUN6-P8-AP09B-110

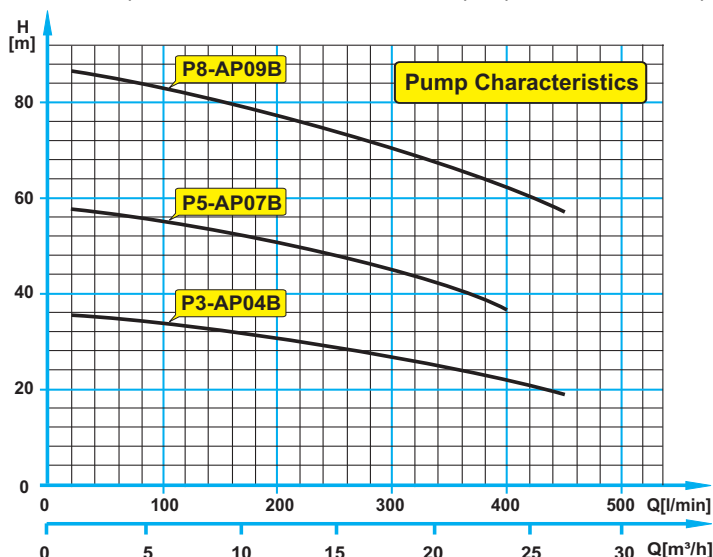
Continuous-flow system without tank and/or without pump on request

Automatic by-pass valve ZFCUN6-041-110

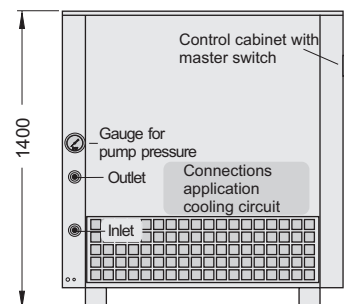
4 swivel castors, 2 with brakes YFCUN5-021-110

Export version with special voltages / frequencies on request

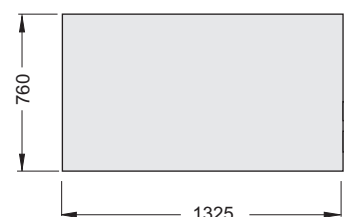
Additional options and accessories as well as pump alternatives on request.



### Left side



### Top



### Right side

