

### 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 040	FCUN 060
Net cooling capacity*	kW : 39.2	60.4
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 : 6.7	10.4
Pump	type : P3-AR22B	P2-AR33B
Pump pressure***	bar : 2.3	2.3
Tank capacity	litres : 60	60
Water connection (female)	Inch : G 1½"	G 1½"
Power input max.	kW : 1,1	1,8
Operating voltage	volt/Hz/phase : 400/50/3	400/50/3
Weight	kgs : 121	144
Dimensions (WxDxH)	mm : 760x760x1250	760x760x1250

\* 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.

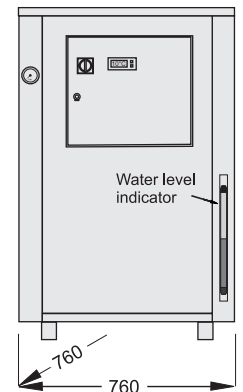
**Alternative units:** FCUN 024 and FCUN 080

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

FlowCool Unicus FCUN 040-NEB	GUFUN040-NEB
FlowCool Unicus FCUN 060-NEB	GUFUN060-NEB
Pumpe P5-AS23B instead of P3-AR22B	MFCUN6-P5-AS23B-040
Pumpe P10-AN12B instead of P3-AR22B	MFCUN6-P10-AN12B-040
Pumpe P5-AS33B instead of P2-AR33B	MFCUN6-P5-AS33B-060
Pumpe P7-AP08B instead of P2-AR33B	MFCUN6-P7-AP08B-060
Continuous-flow system without tank and/or without pump	on request
Automatic by-pass valve	ZFCUN6-041-060
4 swivel castors, 2 with brakes	YFCUN5-021-060
Export version with special voltages / frequencies	on request

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

Front



Reverse

