

SE-Z Bridge Mounted Circulator

Sophisticated models for demanding applications

Bridge mounted circulator with extendable bridge for any bath tank up to 100 liters JULABO bridge mounted circulator with extendable bridge made of stainless steel for any bath tanks. For internal and external temperature applications. The model offers high pump and heating capacities for temperature control of large baths up to 100 liters. Including a built-in cooling coil for counter-cooling with tap water.



Your advantages

- VFD COMFORT DISPLAY
- Keypad for setpoints, warning/safety values and menu functions
- ICC (Intelligent Cascade Control), self-optimizing temperature control
- ATC3 3-Point-Calibration
- Pt100 External sensor connection for measurement and control
- SMART PUMP, electronically adjustable pump stages
- Early warning system for low liquid level (DBGM 203 06 059.8)
- Adjustable high temperature cut-out, visible via display
- RS232 interface for online communication
- Integrated programmer for 10 program steps
- Expandable bridge from 31 to 66 cm
- Built-in cooling coil

Made
in Germany

Technical Data


Order No.	9252218
Model series	HighTech
Category	Bridge Mounted Circulators
Working temperature range (°C)	+20 ... +300
Temperature stability (°C)	0.01
Setting / display resolution	0.01 °C
Integrated programmer	1x10 steps
Temperature Display	VFD
Heating capacity (kW)	3
Pump capacity flow rate (l/min)	22-26
Pump capacity flow pressure (psi)	5.8-10.2
Pump capacity flow suction (psi)	2.9-5.8
Pump connections	M16x1
Barbed fittings diameter (inner dia. / mm)	8 / 12
External Pt100 sensor connection	integrated
Digital interface	RS232, Optional Profibus
Ambient temperature	5...40 °C
Dimensions W x L x H (inch)	12.6 x 6.7 x 13
Weight (LBS)	18
Classification according to DIN12876-1	Classification III (FL)according to DIN 12876-1


Included with each unit	2 each barbed fittings for tubing 8 and 12 mm inner dia. (pump connections M16x1 female).
Cooling coil	integrated
Usable immersion depth (inch)	12 - 19
Power requirement V / Hz / A	230/50-60/13
Available voltage versions	230 V / 50-60 Hz

A cooling coil is integrated for working below or near the ambient temperature.


Characteristics

Display


 **A perfect view**
Ample, easy to read VFD Comfort display for simultaneous display of 3 values, warning functions, high temperature cut-off, pump stages (resolution 0.01 °C)


 **Pump stage and liquid level**
Backlit indicator for selected pump stages and filling volume on Presto® PLUS, Magnum 91 & Forte HT


Operation

 **Comfortable and detailed**
Comfortable keypad with additional menu functions for pump stages, calibration, control parameters, programmer, warnings, etc.


Temperature Control


 **For perfect results**
'Intelligent Cascade Control', automatic & self optimizing adjustment of PID control parameters, temperature stability ± 0.005 °C internal, $< \pm 0.05$ °C external


 **Full control**
'Temperature Control Features' for individual optimization, access to all important control parameters, additional settings for band limit, limits, Co-Speedfactor etc.


 **Highest measuring accuracy**
'Absolute Temperature Calibration' for manual compensation of a temperature difference, 3-point calibration


Technical Features

 **Clever pump system**
Reliable and consistent pump capacity, electronically adjustable pump stages


 **Control from the external application**
External Pt100 sensor connection for precise measurement and control directly in the external application


 **Serial connection**
RS232 interface for PC connection, e.g. for data communication and recording of measured values


 **Easy program control**
Integrated programmer for the execution of time and temperature dependant profiles, 1 temperature profile with 10 steps max., with real time clock

 **For flammable bath fluids**
Classification III (FL) according to DIN 12876-1

Warning & Safety Functions

 **Early warning system for low liquid level**
Maximum safety for applications, optical and audible alarm, allows user to refill bath fluid before the unit shuts down

 **Early warning system for high/low temperature limits**
Maximum safety for applications, optical and audible alarm, convertible to automated cut-off function

 **Enhanced protective functions**
Maximum safety, adjustable high temperature cut-off or dry-running protection, additional display of setpoints permits easy and precise adjustments

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