

### FK30-SL Calibration bath

The calibration baths in this category feature an integrated refrigeration unit and are suitable for calibration applications to -30 °C. The bath cover with openings and Viton® sleeves is already included in delivery for all models.

#### **Product features**

- LCD DIALOG DISPLAY backlit for convenient interactive operation
- ICC (Intelligent Cascade Control), self-optimizing temperature control
- TCF Temperature Control Features to optimize the control behavior
- Integrated programmer for 6 x 60 program steps
- Highest temperature stability to ±0.005 °C (±0.02 °C at +200 °C)
- Temperature uniformity better than ±0.01 °C
- Optional Pt100 sensor for reference temperature measurements
- Temperature chamber with overflow at maximum liquid level



#### Performance values

230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F)				
Heating capacity kW	2			
Viscosity max. cSt	70			
Pump capacity flow rate I/min	22 26			
Pump capacity flow pressure bar	0.4 0.7			
Maximum suction bar	0.2 0.4			
Power consumption A	14			

Order No.		9352627.03	
Cooling capacity (Ethanol)			
°C	20	0	-20
kW <sup>1</sup>	0.46	0.34	0.15
Refrigerant stage 1			
Refrigerant	R134a		
Filling weight g	200		
Global Warming Potential for R134a	1430		
Carbon dioxide equivalent t	0.286		

<sup>1</sup> Performance specifications measured in accordance with DIN 12876. Cooling capacities up to 20 °C measured with ethanol; over 20 °C with thermal oil unless otherwise specified. Performance specifications apply at an ambient temperature of 20 °C. Performance values may differ with other bath fluids.



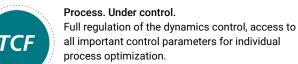
#### Technical data

Available voltage versions		Cooling		
Order No.	9 352 627		Cooling coil	not available
Available voltage vers	ions:		Cooling of compressor	1-stage Air
9352627.02	352627.02 115V/60Hz (Nema N5-15 Plug) (R134a)			
9352627.03	230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F) (R134a)			
9352627.04	230V/50Hz (UK Plug Type BS1363A) (R134a)			
Bath			Other	
Bath tank		Stainless steel	Classification	Classification III (FL)
Bath cover		integrated	IP Code	IP 21
Usable bath opening c	m (W x L / D)	12	Pump type	Immersion Pump
Electronics		Dimensions and volumes		
Interfaces		Profibus optional	Usable immersion depth cm	17
External pt100 sensor	connection	integrated	Weight kg	48
Integrated programme	er	6x60 steps	Dimensions cm ( $W \times L \times H$ )	32 x 45 x 79
Temperature control		ICC	Filling volume I	14
Absolute temperature calibration 3 Point Calibration		<b>3</b> Point Calibration		
Temperature display		VFD		
Temperature setting		Keypad		
Temperature valu	es		Included in delivery	
Working temperature	range °C	-30 +200	Including bath cover with seven openings	
Temperature stability	°C	±0.005		
Ambient temperature	°C	+5 +40		
Setting the resolution display °C	of the temperature	0.01		

#### All Benefits



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





## Early warning system for high/low temperature limits

Maximum safety for applications, optical and audible alarm, convertible to automated cut-off function



ATC3. Calibration. 'Absolute Temperature Calibration' for compensating a physically caused temperature difference, 3-point calibration.



#### 100 % Cooling capacity

'Active Cooling Control' for cooling available throughout the entire working temperature range, fast cool-down even at higher temperatures

#### Energy saving cooling Proportional cooling co



Proportional cooling control for automatic adjustment of cooling power or temporary switchoff of compressor as needed to save up to 90 % energy in comparison to unregulated cooling

# lulaba



Connection of additional equipment Stakei connections for solenoid valve, HSP booster pump and HST booster heater



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



100% Checked. 100% testing. 100% quality. Each JULABO Circulator undergoes thorough quality testing before leaving the factory.



JULABO. Quality. Highest standards of quality for a long product life.



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Satisfied customers.

11 subsidiaries and more than 100 partners worldwide guarantee fast and qualified JULABO support.



Individual JULABO consultation and comprehensive manuals at your disposal.

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machines

Clever pump system

Reliable and consistent pump capacity, electronically adjustable pump stages



Condensation and ice protection A heated cover plate prevents condensation or ice build-up in the bath

