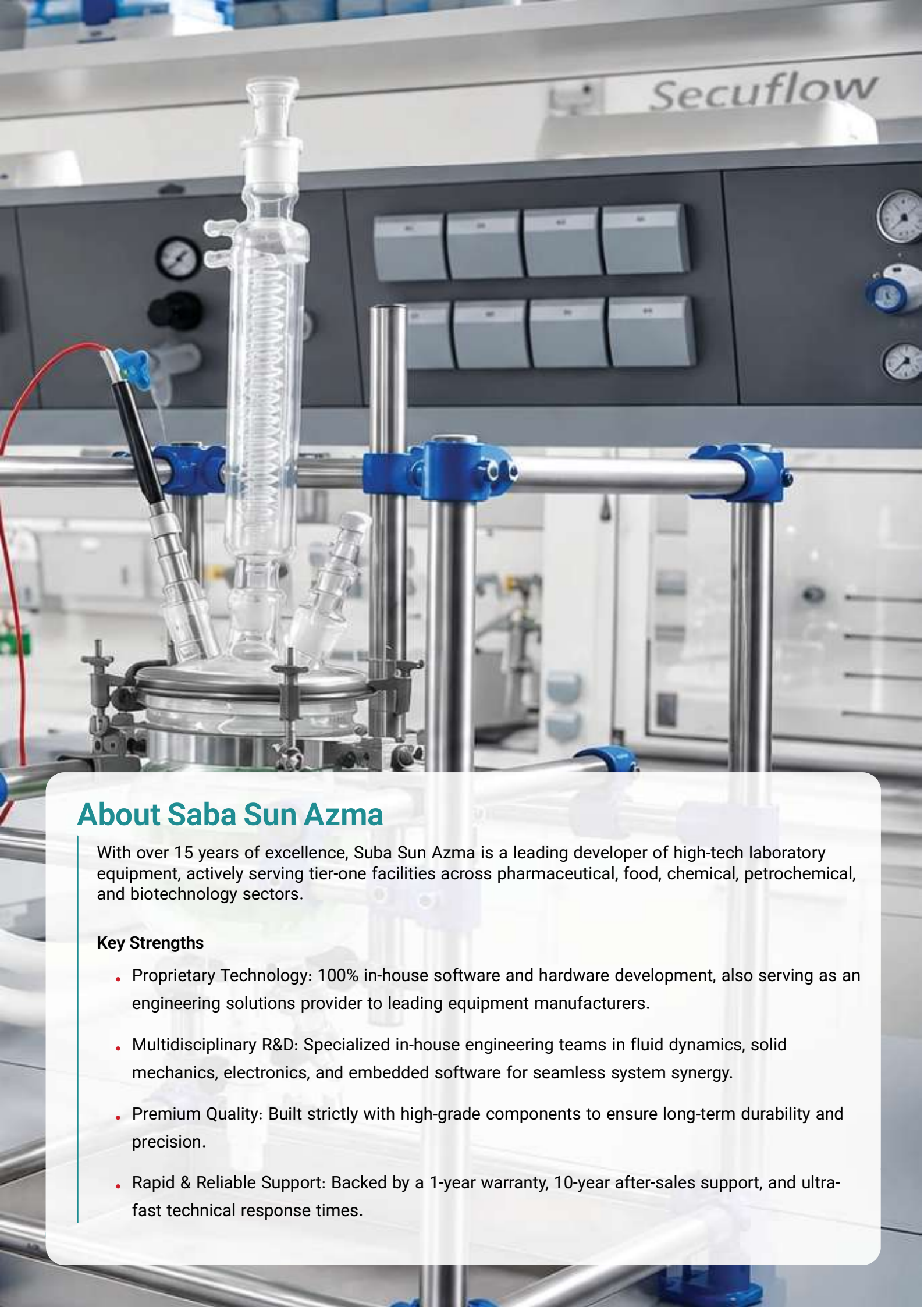




Laboratory Equipments General Catalogue

August 2026





About Saba Sun Azma

With over 15 years of excellence, Suba Sun Azma is a leading developer of high-tech laboratory equipment, actively serving tier-one facilities across pharmaceutical, food, chemical, petrochemical, and biotechnology sectors.

Key Strengths

- **Proprietary Technology:** 100% in-house software and hardware development, also serving as an engineering solutions provider to leading equipment manufacturers.
- **Multidisciplinary R&D:** Specialized in-house engineering teams in fluid dynamics, solid mechanics, electronics, and embedded software for seamless system synergy.
- **Premium Quality:** Built strictly with high-grade components to ensure long-term durability and precision.
- **Rapid & Reliable Support:** Backed by a 1-year warranty, 10-year after-sales support, and ultra-fast technical response times.



FluxTemp

Advanced Series

FluxTemp Advanced **heating and cooling circulators** provide dependable, high-precision temperature control across a wide **-40°C to +200°C** range. Built for daily laboratory tasks and heavy-duty applications alike, this **multi-purpose platform** features simultaneous internal bath access and external circulation capabilities. With exceptional cooling power for its compact footprint and seamless integration with Saba-Sun Azma's advanced control options.



Temperature
Programmer Mode



External
Temperature Control



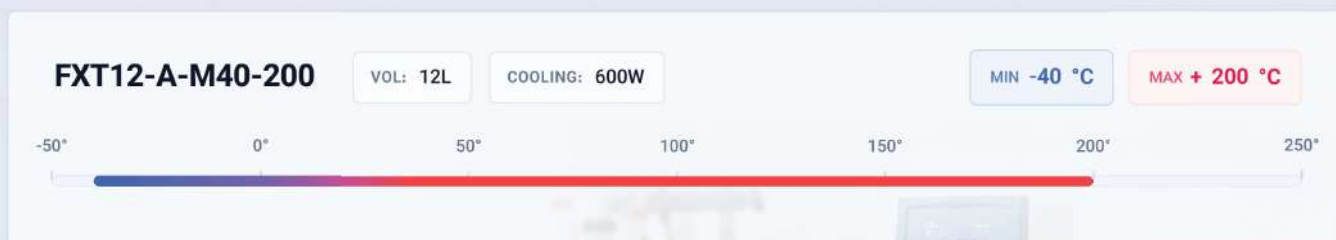
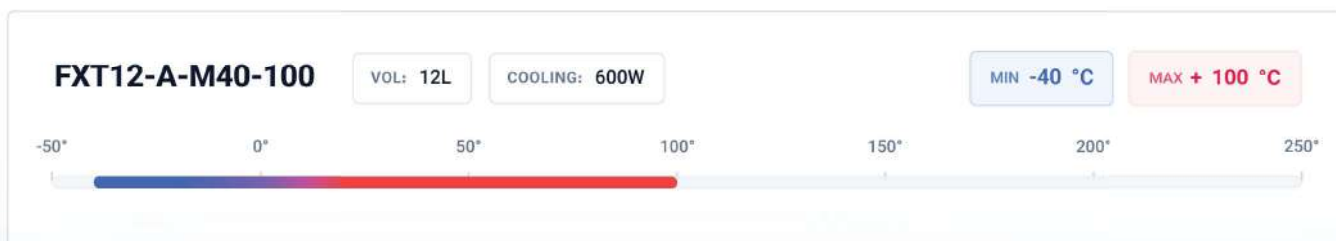
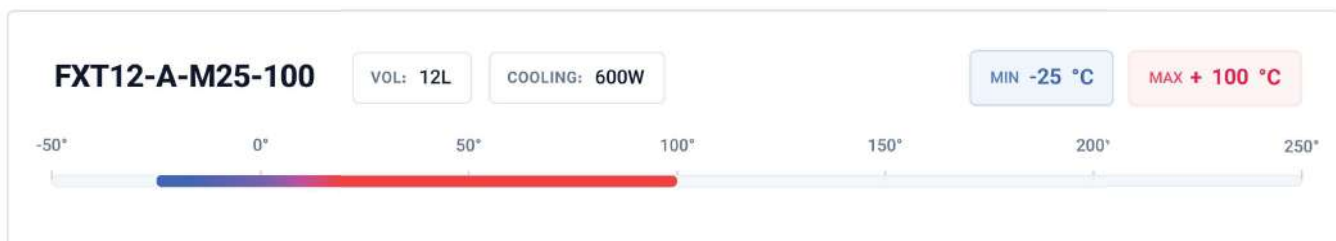
Modbus RS-485
Communication



LEMO Half Moon
Temp. Connector

Available Models

The FluxTemp Advanced Series is offered in 4 model variations, differentiated primarily by their operational temperature ranges.



Technical Data

Working Temperature*	-40 ... +200 °C
Ambient Temperature	+5 ... +40 °C
Temperature Stability	±0.1 °C
Heating Power	2000 W
Cooling Power (@20°C)	550 W
Panel	Touch-Screen 4.3 inch
Control System	Saba Sun SunUI Control™
External (Process) Temperature Control **	[OPTIONAL]
Programmer **	[OPTIONAL]
Modbus RS485 **	[OPTIONAL]
External PT100 Connector, LEMO Half Moon **	[OPTIONAL]
Max. Current Consumption	12 A
Tank Dimension (WxL)	15.5 x 23 cm
Tank Depth	16.0 cm
Tank Volume	9.0 / 13.0 L
Max. Pump Flow	0.5 bar
Max. Pump Pressuer	15 L/min
Hose Connector	12mm (OD)
Threaded Connection	M16x1
Device Dimension (WxHxD)	33 x 73 x 56 cm
Weight	48 Kg
Power Supply	230V AC - Single Phase

*The temperature range varies depending on the device model.

** Optional functions enabled upon request.

Cooling Capacity Performance

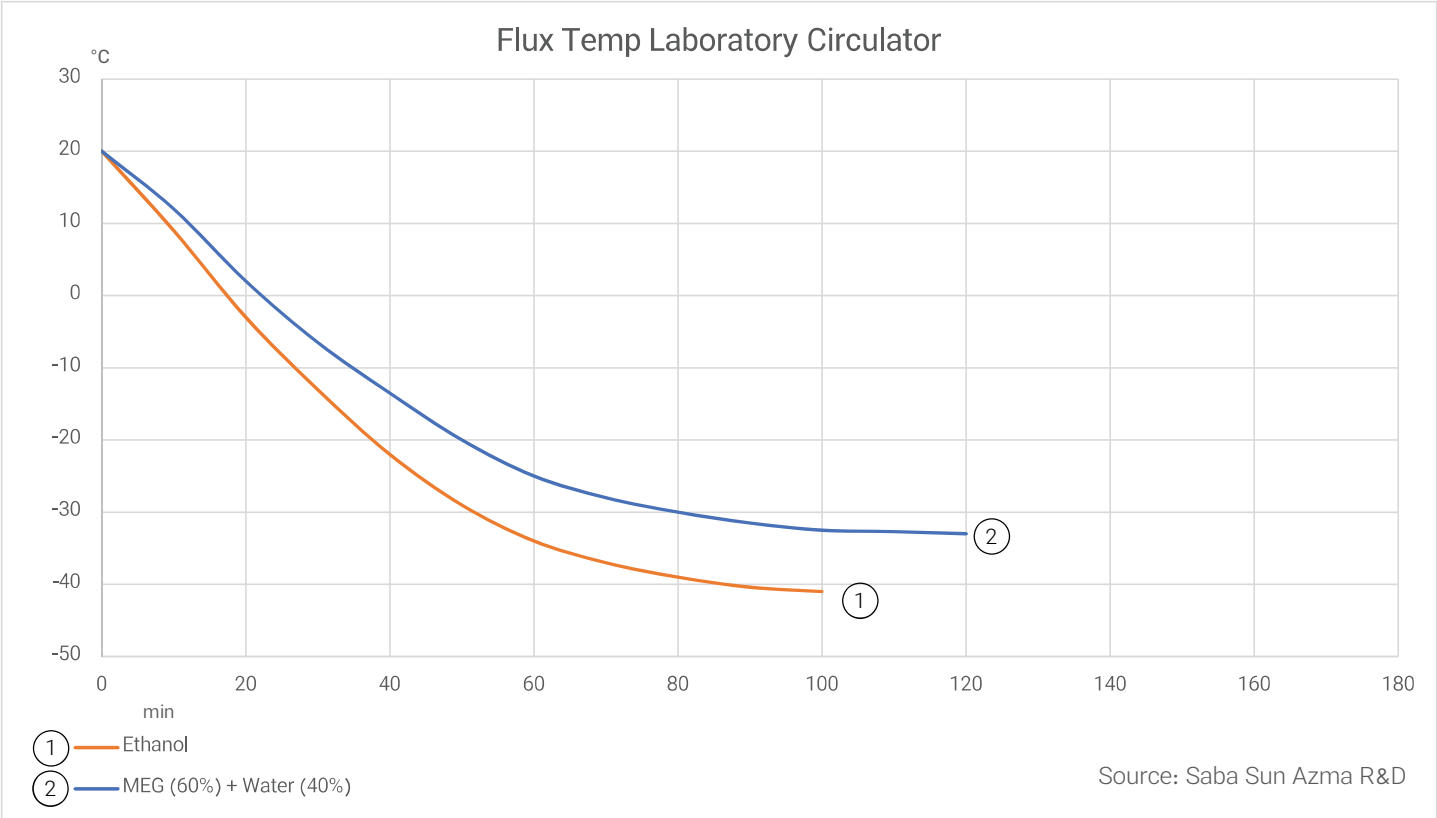
(Reference Model: FluxTemp Advanced FXT12-A-M40-200)

Working Temperature	Heat Transfer Liquid	Cooling Capacity
+200 °C	Thermal Oil	550 W
+100 °C	Pure Mono Ethylene Glycol	550 W
+20 °C	Ethanol	550 W
+10 °C	Ethanol	550 W
0 °C	Ethanol	450 W
-10 °C	Ethanol	300 W
-20 °C	Ethanol	200 W
-30 °C	Ethanol	80 W

- The temperature range varies depending on the device model.
- Measurements were performed at an ambient temperature of 20°C. Using a different heat transfer liquid or changes in ambient temperature may affect the results.

Cool-down Time Diagram

(Reference Model: FluxTemp Advanced FXT12-A-M40-200 | Closed-Loop Mode)





FluxTemp

Basic Series

The FluxTemp Basic series offers high-performance **cooling circulators** engineered for routine and demanding laboratory tasks from **-40°C to +25°C**. Featuring simultaneous internal bath access and external circulation for equipment such as **rotary evaporators** and **condensers**, this compact benchtop unit delivers an exceptional **750 W cooling capacity** with optimal footprint efficiency.



Easy-to-use
Control Panel



High
Cooling Capacity



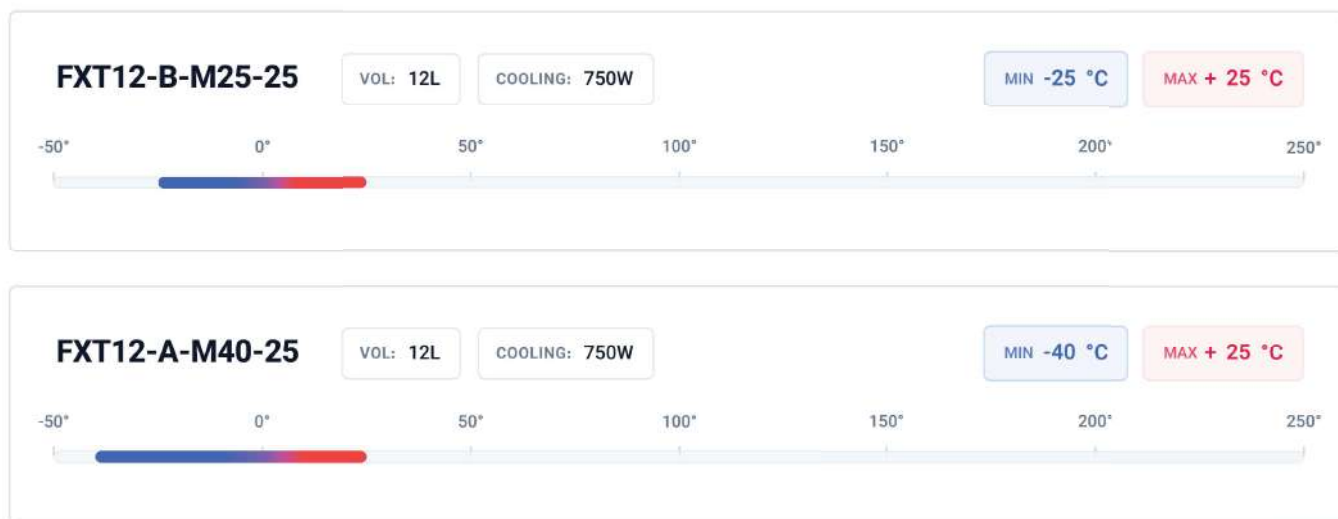
Daily & Long-Term
Operation



Compact, Benchtop
Design

Available Models

The FluxTemp Basic Series is offered in 2 model variations, differentiated primarily by their operational temperature ranges.



Technical Data

Working Temperature*	-40 ... +25 °C
Ambient Temperature	+5 ... +40 °C
Temperature Stability	±0.3°C
Heating Power	2000 W
Cooling Power (@20°C)	750 W
Panel	Button Panel With Backlit Numeric Display
Control System	Autonics TX Series Controller
External (Process) Temperature Control **	X
Programmer **	X
Modbus RS485 **	[OPTIONAL]
External PT100 Connector, LEMO Half Moon **	X
Max. Current Consumption	12 A
Tank Dimension (WxL)	15.5 x 23 cm
Tank Depth	16.0 cm
Tank Volume	9.0 / 13.0 L
Max. Pump Flow	0.5 bar
Max. Pump Pressuer	15 L/min
Hose Connector	12mm (OD)
Threaded Connection	M16x1
Device Dimension (WxHxD)	33 x 73 x 56 cm
Weight	46 Kg
Power Supply	230V AC - Single Phase

*The temperature range varies depending on the device model.

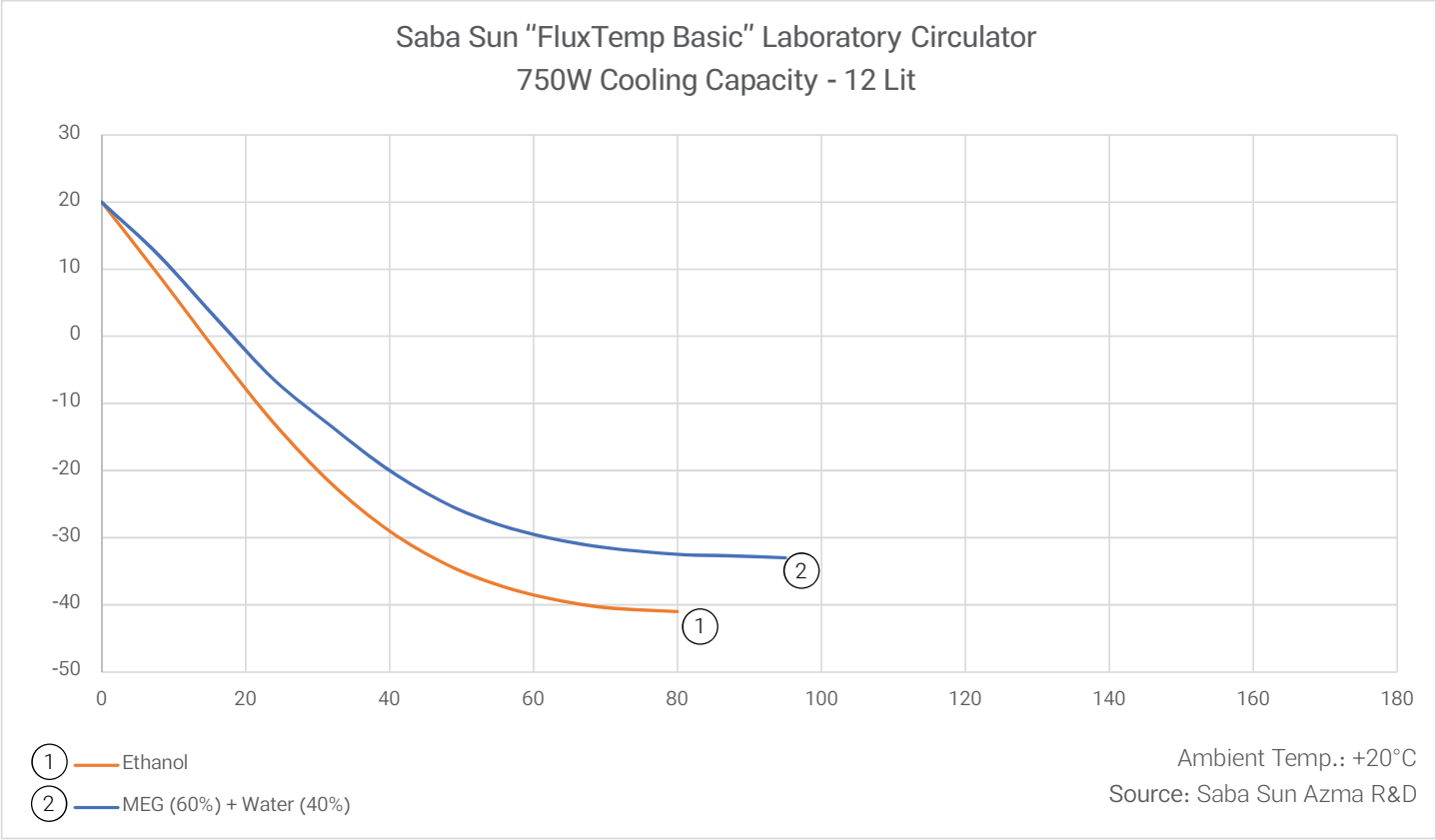
** Optional functions enabled upon request.

Cooling Capacity Performance
(Reference Model: FluxTemp Basic FXT12-B-M40-25)

Working Temperature	Heat Transfer Liquid	Cooling Capacity
+20 °C	Ethanol	750 W
+10 °C	Ethanol	750 W
0 °C	Ethanol	450 W
-10 °C	Ethanol	300 W
-20 °C	Ethanol	200 W
-30 °C	Ethanol	80 W

- The temperature range varies depending on the device model.
- Measurements were performed at an ambient temperature of 20°C. Using a different heat transfer liquid or changes in ambient temperature may affect the results.

Cool-down Time Diagram
(Reference Model: FluxTemp Basic FXT12-B-M40-25 | Closed-Loop Mode)





PreciStat

Advanced Series

Operating across a broad **-40°C to +200°C** span, **PreciStat Advanced** circulators provide specialized, closed-loop external thermoregulation without direct bath access. Engineered for demanding small jacketed reactors and sensitive syntheses, this system delivers exceptional temperature stability and fast thermal compensation for highly exothermic or endothermic processes, such as **polymerizations** and **catalyst reactions**. Backed by Saba-Sun Azma's advanced control options, it guarantees optimal process reproducibility and precise thermal management.



Temperature
Programmer Mode



External
Temperature Control



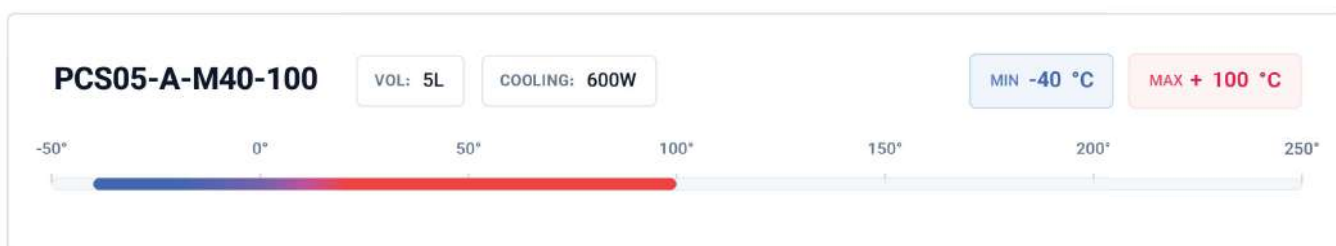
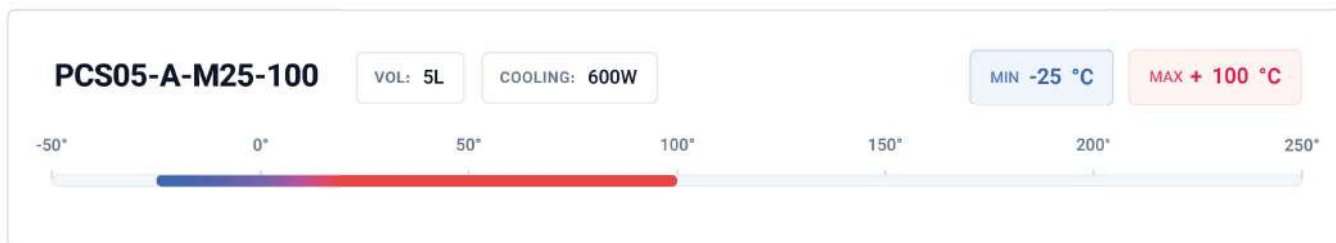
Modbus RS-485
Communication



LEMO Half Moon
Temp. Connector

Available Models

The PreciStat Advanced Series is offered in 4 model variations, differentiated primarily by their operational temperature ranges.



Technical Data

Working Temperature*	-40 ... +200 °C
Ambient Temperature	+5 ... +40 °C
Temperature Stability	±0.06°C
Heating Power	2000 W
Cooling Power (@20°C)	550 W
Panel	Touch-Screen 7 inch
Control System	Saba Sun SunUI Control™
External (Process) Temperature Control **	[OPTIONAL]
Programmer **	[OPTIONAL]
Modbus RS485 **	[OPTIONAL]
External PT100 Connector, LEMO Half Moon **	[OPTIONAL]
Max. Current Consumption	12 A
Tank Volume	3.5 / 5.0 L
Max. Pump Flow	0.5 bar
Max. Pump Pressuer	15 L/min
Hose Connector	12mm (OD)
Threaded Connection	M16x1
Device Dimension (WxHxD)	33 x 56 x 55 cm
Weight	45 Kg
Power Supply	230V AC - Single Phase

*The temperature range varies depending on the device model.

** Optional functions enabled upon request.

Cooling Capacity Performance

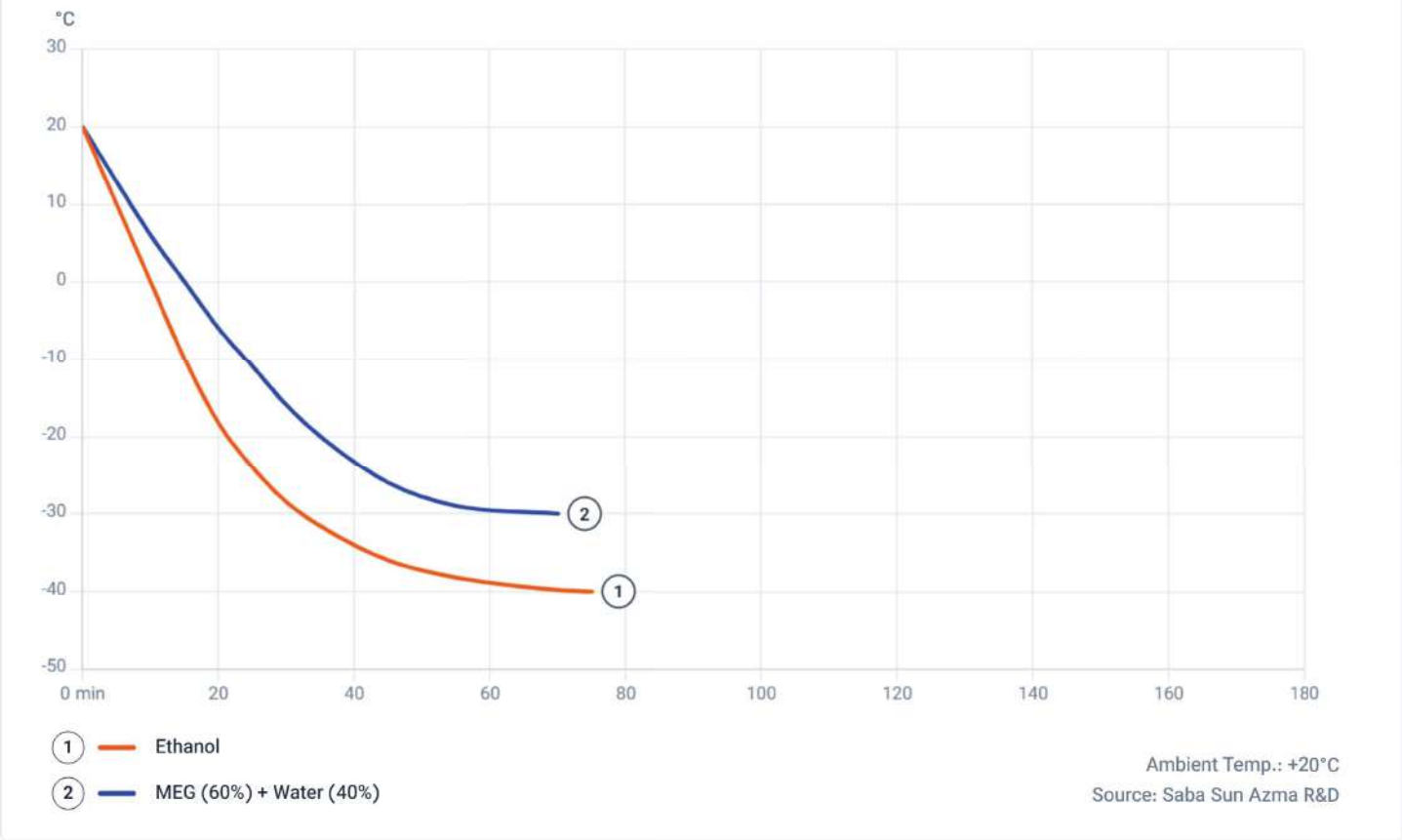
(Reference Model: PreciStat Advanced PCS05-A-M40-200)

Working Temperature	Heat Transfer Liquid	Cooling Capacity
+200 °C	Thermal Oil	550 W
+100 °C	Pure Mono Ethylene Glycol	550 W
+20 °C	Ethanol	550 W
+10 °C	Ethanol	550 W
0 °C	Ethanol	450 W
-10 °C	Ethanol	300 W
-20 °C	Ethanol	200 W
-30 °C	Ethanol	80 W

- The temperature range varies depending on the device model.
- Measurements were performed at an ambient temperature of 20°C. Using a different heat transfer liquid or changes in ambient temperature may affect the results.

Cool-down Time Diagram

(Reference Model: PreciStat Advanced PCS05-A-M40-200 | Closed-Loop Mode)





PreciStat

Basic Series

The PreciStat Basic series delivers high-efficiency external thermoregulation across a **-40°C to +25°C** range, specifically engineered for **laboratory-scale cooling applications**. Featuring fast cool-down capabilities, robust cooling power relative to its compact footprint, and intuitive operation, it is an ideal plug-and-play solution for any equipment requiring active heat dissipation such as **rotary evaporators, condensers, electron microscopes**, and other temperature-sensitive laboratory instruments.



Easy-to-use
Control Panel



High
Cooling Capacity



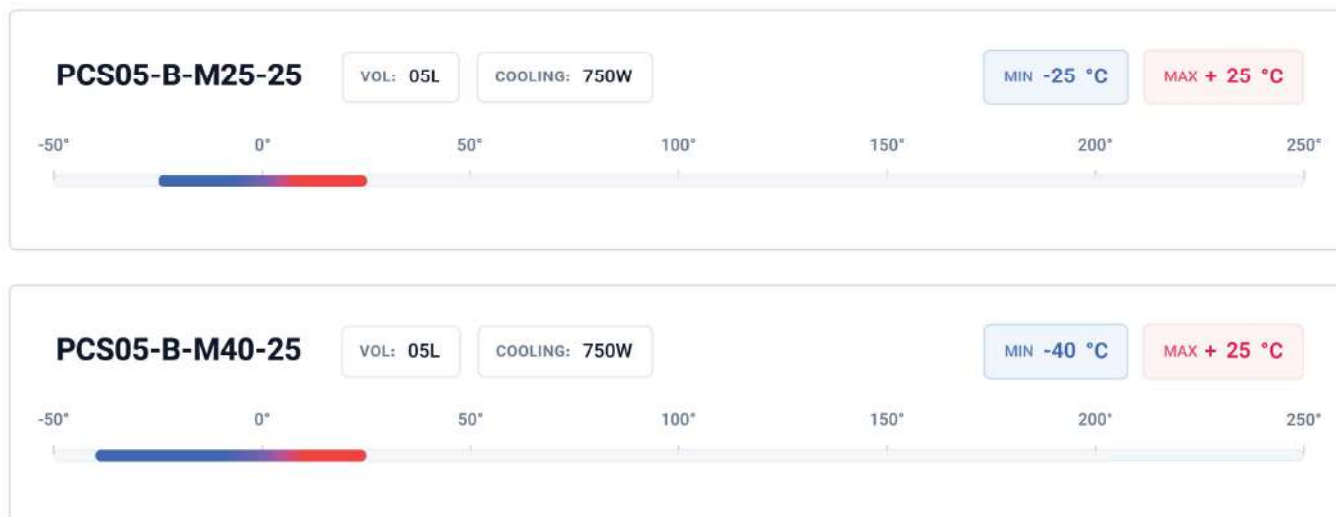
Daily & Long-Term
Operation



Compact, Benchtop
Design

Available Models

The PreciStat Basic Series is offered in 2 model variations, differentiated primarily by their operational temperature ranges.



Technical Data

Working Temperature*	-40 ... +25 °C
Ambient Temperature	+5 ... +40 °C
Temperature Stability	±0.3°C
Heating Power	2000 W
Cooling Power (@20°C)	750 W
Panel	Button Panel With Backlit Numeric Display
Control System	Autonics TX Series Controller
External (Process) Temperature Control **	X
Programmer **	X
Modbus RS485 **	[OPTIONAL]
External PT100 Connector, LEMO Half Moon **	X
Max. Current Consumption	12 A
Tank Dimension (WxL)	15.5 x 23 cm
Tank Depth	16.0 cm
Tank Volume	9.0 / 13.0 L
Max. Pump Flow	0.5 bar
Max. Pump Pressuer	15 L/min
Hose Connector	12mm (OD)
Threaded Connection	M16x1
Device Dimension (WxHxD)	33 x 56 x 55 cm
Weight	43 Kg
Power Supply	230V AC - Single Phase

*The temperature range varies depending on the device model.

** Optional functions enabled upon request.

Cooling Capacity Performance

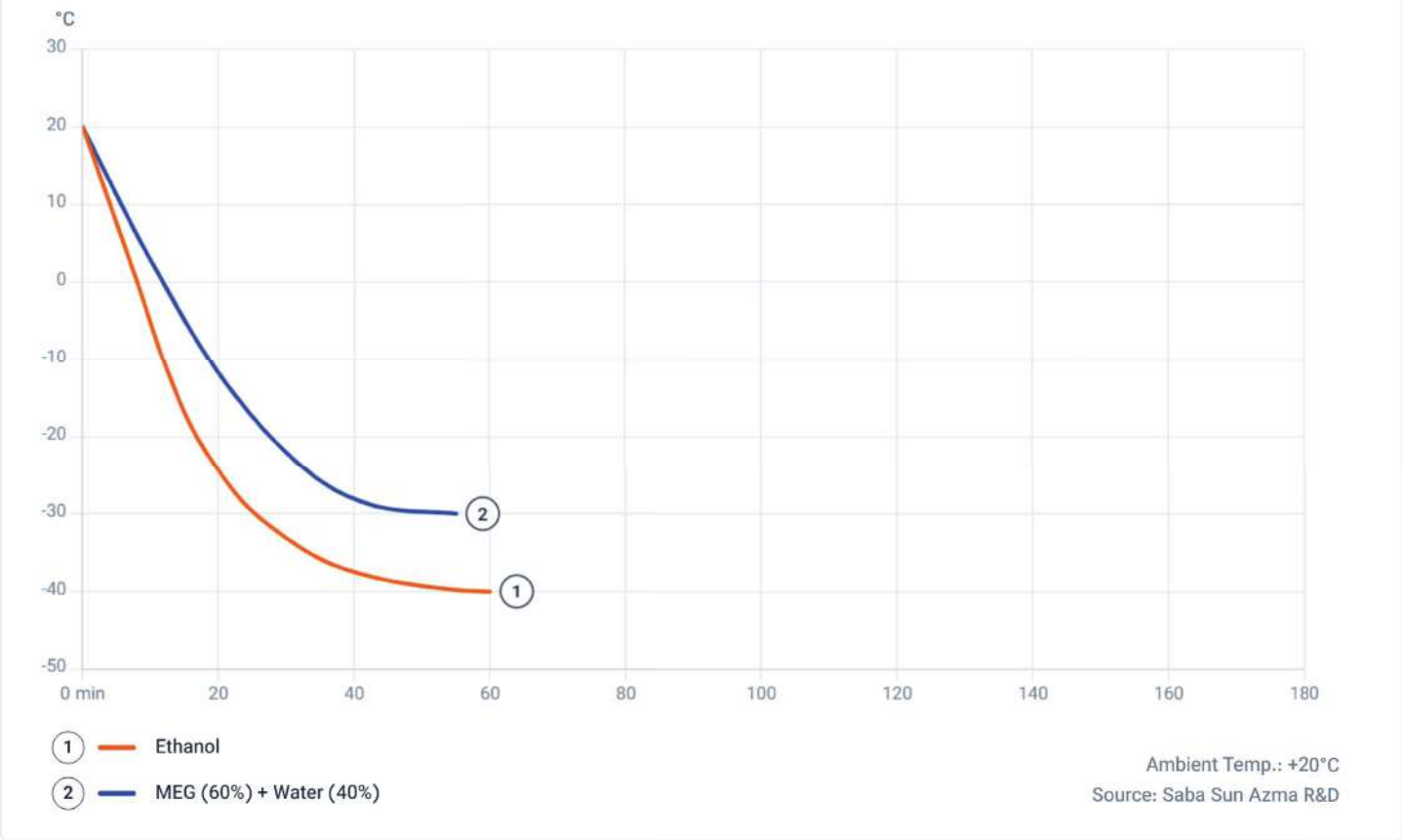
(Reference Model: PreciStat Basic PCS05-B-M40-25)

Working Temperature	Heat Transfer Liquid	Cooling Capacity
+20 °C	Ethanol	750 W
+10 °C	Ethanol	750 W
0 °C	Ethanol	450 W
-10 °C	Ethanol	300 W
-20 °C	Ethanol	200 W
-30 °C	Ethanol	80 W

- The temperature range varies depending on the device model.
- Measurements were performed at an ambient temperature of 20°C. Using a different heat transfer liquid or changes in ambient temperature may affect the results.

Cool-down Time Diagram

(Reference Model: PreciStat Basic PCS05-B-M40-25 | Closed-Loop Mode)





POWERSA

Advanced Series

The **Powersa Advanced** series provides combined heating and cooling solutions from **-25°C** (**-40°C** in Customized Versions) to **+180°C** with **2 kW to 10 kW** cooling capacities, designed for continuous, heavy-duty operation in pilot plants and large laboratories. Featuring high-capacity circulation pumps and full process-automation software, it provides the ultimate stability for pharmaceutical processes, automotive and aerospace thermal testing, chemical reactors, and other high-demand industrial workflows.



Temperature
Programmer Mode



External
Temperature Control



Modbus RS-485
Communication



LEMO Half Moon
Temp. Connector

Available Models

The Powersa Advanced Series is offered in 10 model variations, differentiated primarily by their Cooling Capacity and Temperature Range.





POWERSA

Basic Series

The Powersa Basic series delivers high-capacity external cooling from **-40°C to +25°C**, engineered for pilot, semi-industrial, and large-scale laboratory processes. Offering cooling capacities from **2 kW to 10 kW**, intuitive controls, and a closed-loop design, it handles routine daily tasks alongside **uninterrupted, heavy-duty operation** running for days or weeks. It is an ideal cooling solution for glass and stainless-steel reactors, pilot rotary evaporators, distillation setups, or simultaneously servicing multiple benchtop condensers and temperature-sensitive equipment.



Easy-to-use
Control Panel



High
Cooling Capacity



Daily & Long-Term
Operation



Reliability for Heavy-
Duty Performance

Available Models

The Powersa Basic Series is offered in 10 model variations, differentiated primarily by their Cooling Capacity and Temperature Range.





HeaTense

Advanced Series

The **HeaTense Advanced** series provides high-precision **heating** thermoregulation from **+20°C to +220°C** with $\pm 0.05^\circ\text{C}$ stability and heating capacities from **2 kW to 4 kW (8kW Customized Version)**. Combining direct bath access with external circulation, it features advanced ramp and profile programming alongside real-time process control for precise reactor heating. Built for workflows with low-to-moderate thermal fluctuations, it delivers dependable performance for both daily laboratory tasks and heavy-duty, long-term operations.



Temperature
Programmer Mode



External
Temperature Control



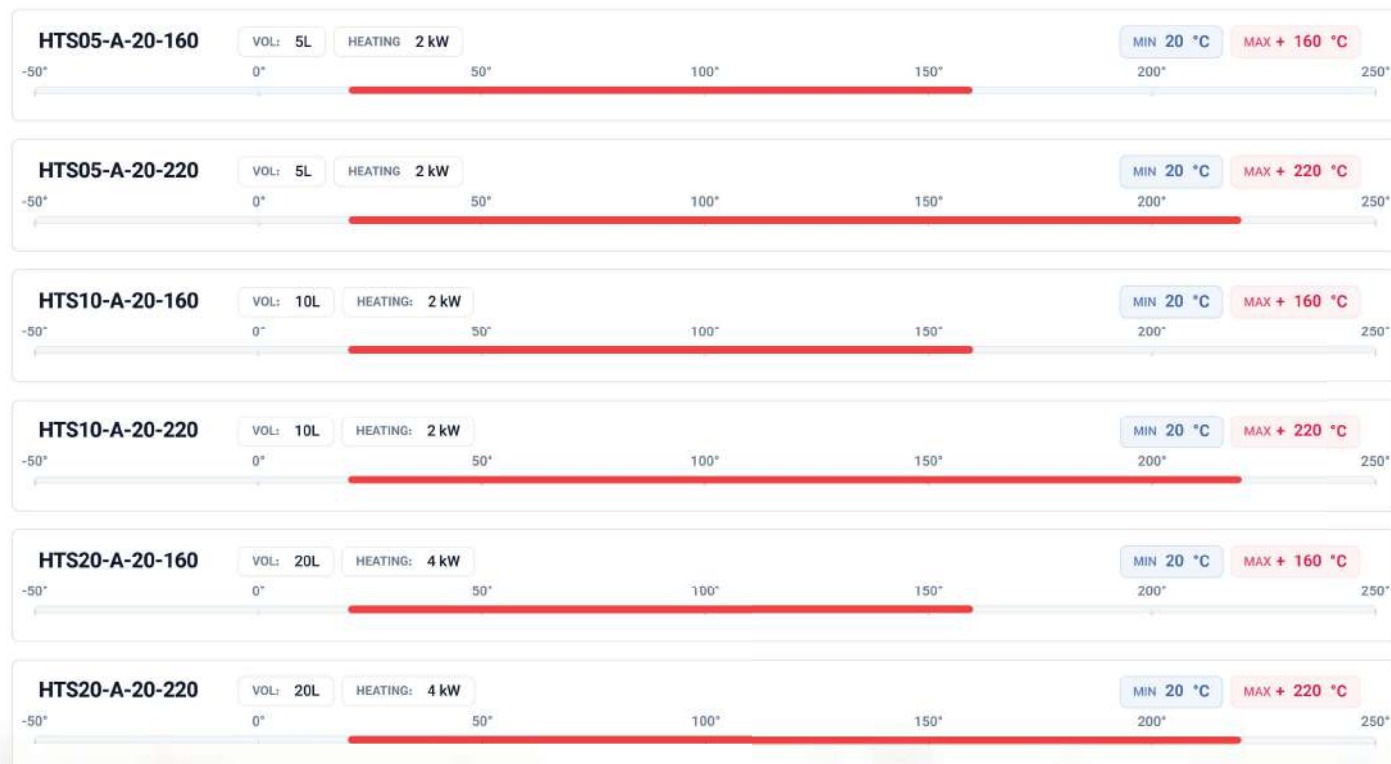
Modbus RS-485
Communication



LEMO Half Moon
Temp. Connector

Available Models

The HeaTense Advanced Series is offered in 6 model variations, differentiated primarily by their operational temperature ranges and internal bath capacities.



Technical Data

HeaTense Advanced Models

Working Temperature*	+20 ... +220 °C
Ambient Temperature	+5 ... +40 °C
Temperature Stability*	±0.05°C
Heating Power*	2000 ... 4000 W
Panel	Touch-Screen 4.3 inch
Control System	Saba Sun SunUI Control™
External (Process) Temperature Control **	[OPTIONAL]
Programmer **	[OPTIONAL]
Modbus RS485 **	[OPTIONAL]
External PT100 Connector, LEMO Half Moon **	[OPTIONAL]
Max. Current Consumption	12 ... 30 A
Tank Volume*	5.0 ... 20.0 L
Max. Pump Flow*	0.2 ... 1.0 bar
Max. Pump Pressuer*	15 ... 45 L/min
Hose Connector	12mm (OD)
Threaded Connection	M16x1
Power Supply	230VAC 1ph OR 380VAC 3ph

*The values varies depending on the device model.

** Optional functions enabled upon request.

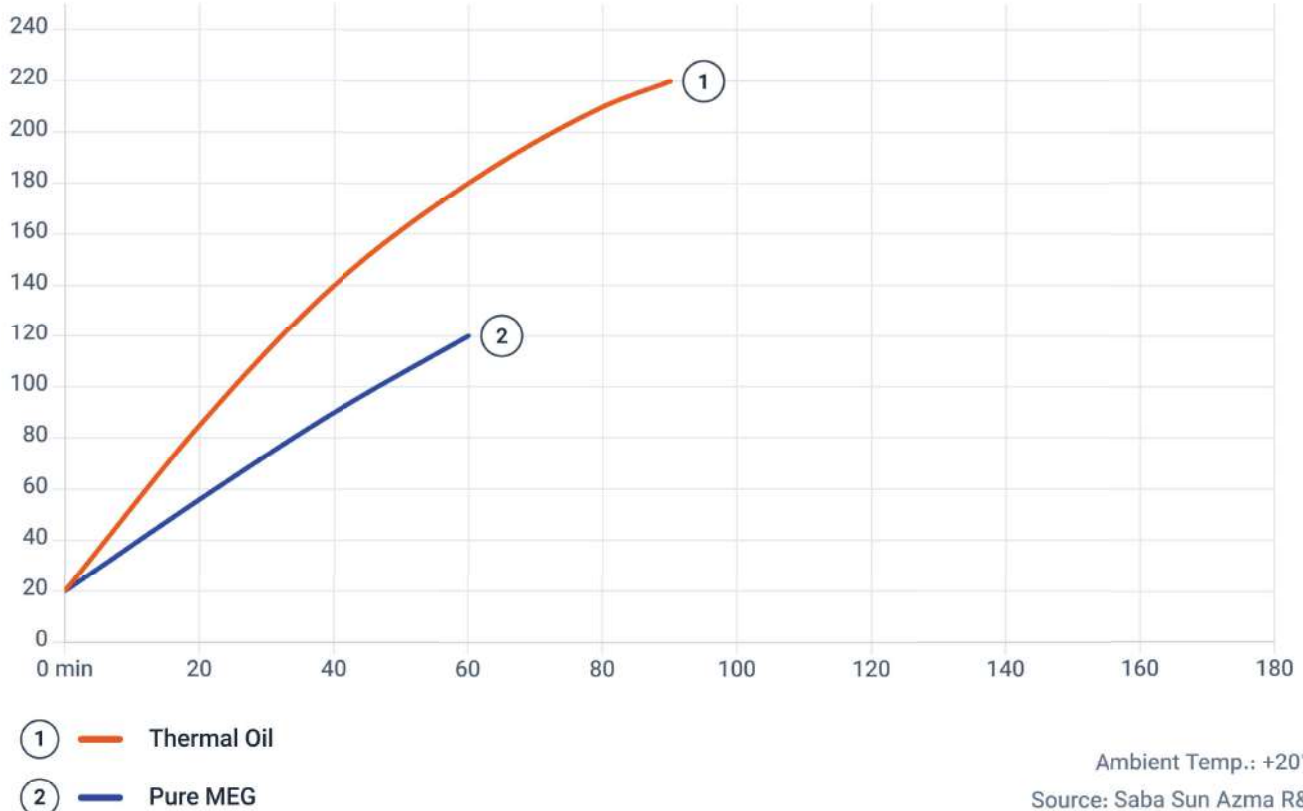
Optional Integrated Cooling Coil Lid

- **Fast Cooling Support:** Connects to auxiliary cooling water for drastically reduced cool-down times.
- **Fluid Thermoregulation:** Circulates external liquids directly through the coil to achieve identical bath temperature.



HeaTense Laboratory Circulator Heating Curve

Device Model: 10L / 2kW





HeaTense

Basic Series

Heating Circulator Operating from **+20°C to +220°C** with **2 kW to 4 kW** capacities (**8kW Costomized Version**), the **HeaTense Basic** series provides essential heating thermoregulation for routine laboratory tasks. It combines dual-mode operation (bath access and external circulation) with a clear push-button interface, delivering dependable, easy-to-use performance designed to meet most general laboratory heating requirements.



Easy-to-use
Control Panel



Low-noise
Operation



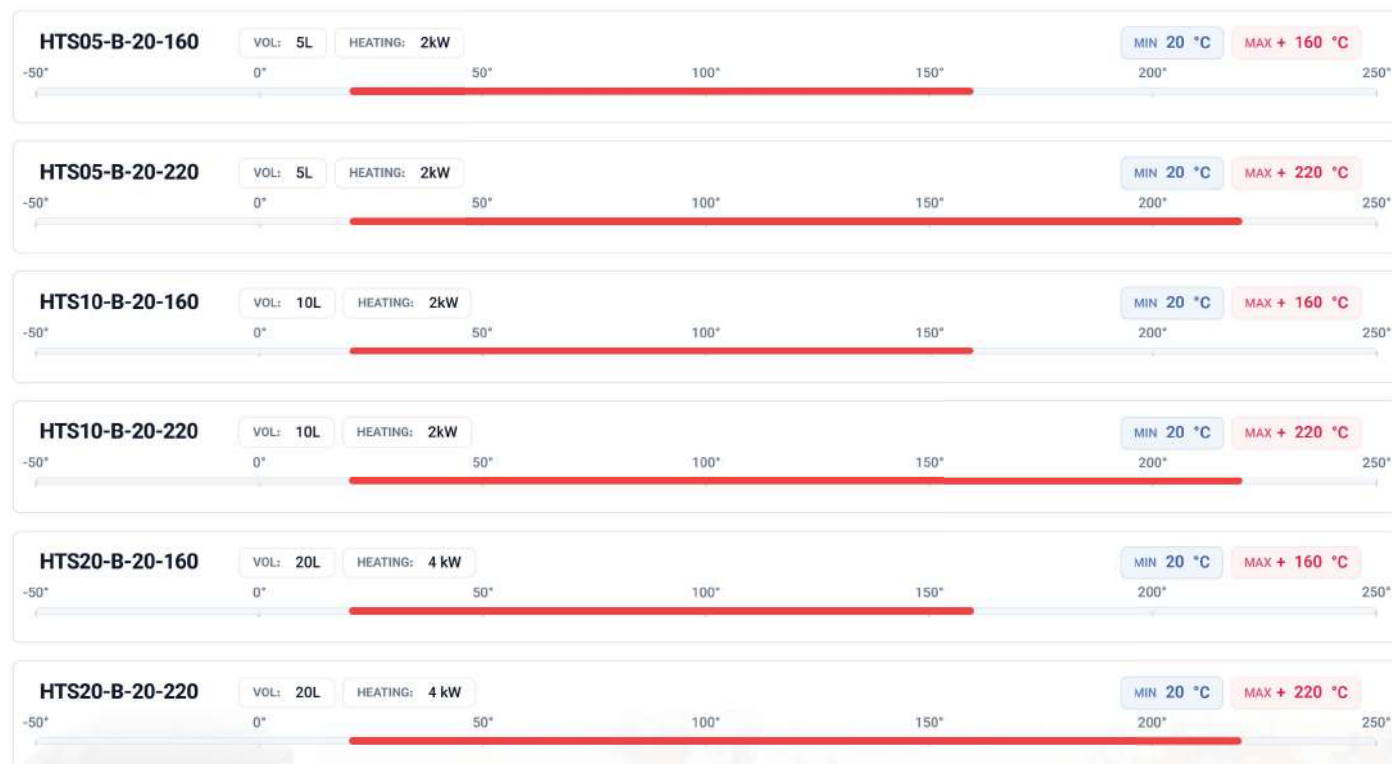
Daily & Long-Term
Operation



Compact, Benchtop
Design

Available Models

The HeaTense Basic Series is offered in 6 model variations, differentiated primarily by their operational temperature ranges and internal bath capacities.



Technical Data

HeaTense Basic Models

Working Temperature*	+20 ... +220 °C
Ambient Temperature	+5 ... +40 °C
Temperature Stability*	±0.3°C
Heating Power*	2000 ... 4000 W
Panel	Button Panel With Backlit Numeric Display
Control System	Autonics TX Series Controller
External (Process) Temperature Control **	X
Programmer **	X
Modbus RS485 **	[OPTIONAL]
External PT100 Connector, LEMO Half Moon **	X
Max. Current Consumption	12 ... 30 A
Tank Volume*	5.0 ... 20.0 L
Max. Pump Flow*	0.2 ... 1.0 bar
Max. Pump Pressuer*	15 ... 45 L/min
Hose Connector	12mm (OD)
Threaded Connection	M16x1
Power Supply	230VAC 1ph OR 380VAC 3ph

*The values varies depending on the device model.

** Optional functions enabled upon request.

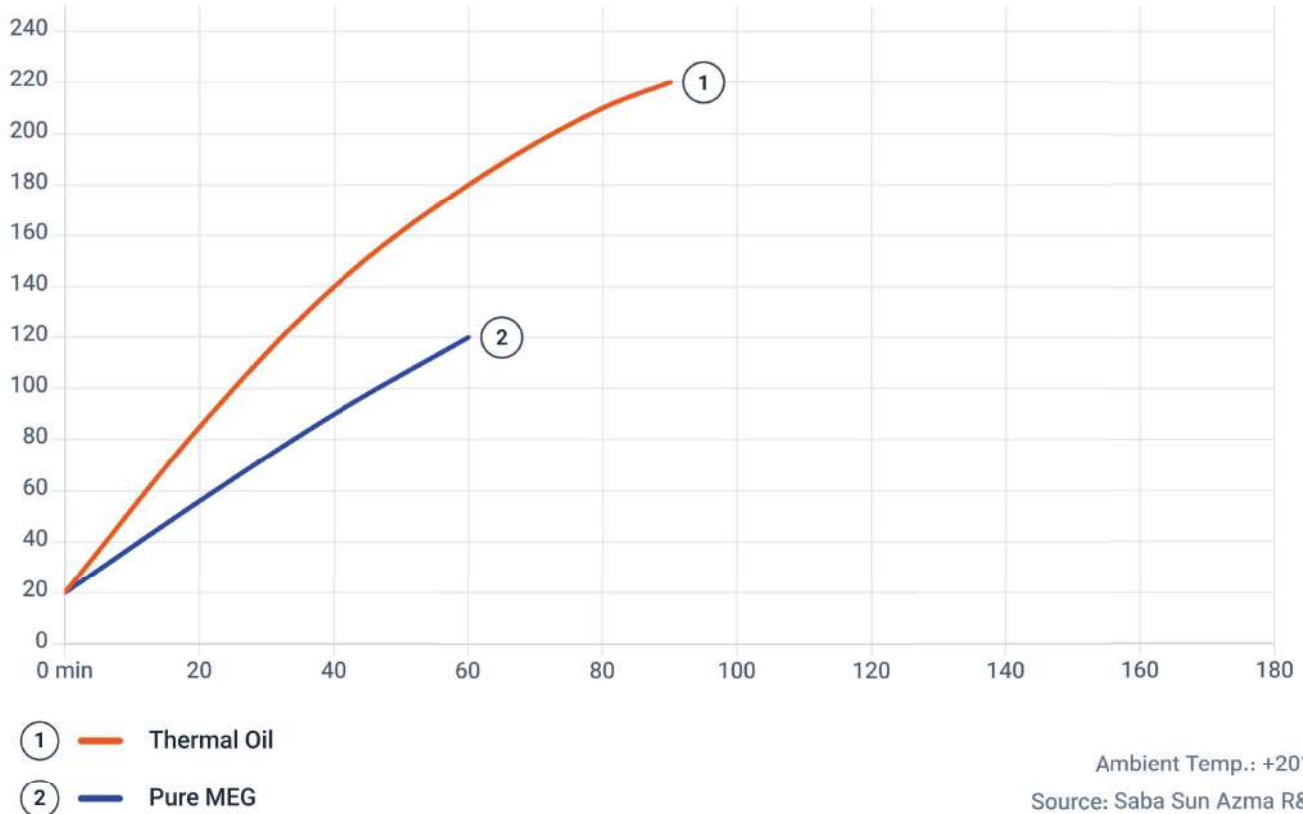
Optional Integrated Cooling Coil Lid

- **Fast Cooling Support:** Connects to auxiliary cooling water for drastically reduced cool-down times.
- **Fluid Thermoregulation:** Circulates external liquids directly through the coil to achieve identical bath temperature.



HeaTense Laboratory Circulator Heating Curve

Device Model: 10L / 2kW





SABA VAC

Vacuum Controller

The SabaVac Vacuum Controller is a heavy-duty, high-precision system engineered for continuous, uninterrupted operation in demanding laboratory and industrial environments. Delivering seamless vacuum regulation from atmospheric pressure down to near-absolute zero, it supports corrosion-resistant sensors (Optional) specifically designed to withstand aggressive acid vapors. Featuring an intuitive push-button interface powered by premium Autronics (South Korea) control hardware, the SabaVac combines rugged reliability, exceptional durability, and effortless operation for critical vacuum applications.

Technical Data

Vacuum Controller

Pressure / Vacuum Range	Atmospheric Pressure to Near-Zero (High Vacuum)
Vacuum Control Mode	on-off
Panel	Button Panel With Backlit Numeric Display
Control System	Autonics Controller
Acid Vapor Resistance Pressure Transmitter	[OPTIONAL]
Housing / Body Material	Steel with Electrostatic Powder Coating
Modbus RS485 **	[OPTIONAL]
Max. Current Consumption	2 A
Power Supply	230V AC - Single Phase

** Optional functions enabled upon request.





Refrigerated INCUBATOR

The Sabasan Azma incubator and shaker incubator is a precise, durable system engineered for long-term pharmaceutical and biotechnology applications, featuring an integrated refrigeration unit and proprietary True-Shake™ technology to completely isolate vibrations even at high speeds. The device utilizes proprietary SunUI Control™ software with touchscreen operation and network connectivity for advanced temperature stability $\pm 0.1^{\circ}\text{C}$ and automated data logging.



UNIVERSAL FLASK HOLDER



SPRING FLASK HOLDER

Technical Data

Refrigerated Shaker Incubator / Incubator

Working Temperature	+10 ... +60 °C
Ambient Temperature	+5 ... +40 °C
Temperature Stability	±0.1°C
Cooling Compressor System	YES
Panel	Touch-Screen 7 inch
Shaker Module **	[OPTIONAL]
Control System	Saba Sun SunUI Control™
Programmer **	[OPTIONAL]
Modbus RS485 **	[OPTIONAL]
Max. Current Consumption	10 A
Device Dimension (WxHxD)	68 x 70 x 100 cm
Power Supply	230V AC - Single Phase

** Optional functions enabled upon request.









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