



Product Data Sheet

FC600 Recirculating Cooler

[Print Data Sheet](#)

Product Image



Order Information

Model: FC600
Order no.: 9600060

Available mains power:
230V / 50Hz
230V / 60Hz

Similar Models

These models could also be interesting for you:

FC600S
FE500
FC1200

Sales & Support:

+49 7823 51-190

Monday to Friday
7:30 am - 17:00 pm

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Description

Recirculating Cooler for environmentally friendly cooling

Today, tap water is still often used for continuous cooling tasks. Is this acceptable with respect to environmental responsibility? Recirculating coolers of the JULABO TopLine stand for environmental consciousness that became a subject of growing importance in the recent years. The instruments offer an economical solution for cooling applications avoiding expenses for tap water and waste water disposal. The JULABO recirculating coolers of the Economy Line and TopLine have a compact design and fit under a lab counter. The bright MULTI-DISPLAY (LED) is visible from across a lab and gives instant information on actual and setpoint temperatures. Self-test after switch-on, reciprocal sensor monitoring, pump motor and compressor overload protection as well as complete shut-down in case of an alarm offer unequalled safety. Additional protection is ensured by high and low temperature warning functions as well as freezing protection and dry-running protection. These features ensure stable working temperatures, constant pressure of the circulating pump and avoid contamination in the cooling loop. Featuring various electrical connections, the TopLine models fulfill the requirements of modern laboratories.

Advantages

- o Adjustable ratio for feed/return temperatures
- o Easy filling system located at the front
- o Activation of pump for filling
- o Bright MULTI-DISPLAY (LED)
- o Upper and lower temperature warning functions with interval tone
- o Integrated freezing protection and dry-running protection
- o Rapid and easy operation via seamless, splash-proof keypad
- o Liquid level indication on the front
- o Self-test, reciprocal sensor monitoring, pump motor and compressor overload protection
- o Complete shut-down with audible signal in case of an alarm
- o Removable venting grid for simplified removal of dust
- o ATC function for simple correction of temperature variations
- o RS232 interface for on-line communication (LIMS capability)
- o High temperature stability
- o Integrated heater with 1.2 kW capacity

Technical Specifications

Working temperature range	-20 ... 80 °C
Temperature control	PID
Temperature stability	±0.2 °C
Display	2 x LED
Display resolution	0.1 °C
Integrated programmer	not available
Heater capacity	1200 W
Cooling capacity	20 10 5 -10 °C 600 470 400 210 W
Refrigerant	R134a
Pump capacity	Pressure: 500 mbar Flow rate: 20 l/min
Digital interfaces	RS232
Filling volume	6 ... 8 Liters
Dimensions (W x L x H)	36 x 54 x 49 cm
Weight	43 kg
Ambient temperature	5 ... 40 °C
Classification according to DIN 12876-1	-

Miscellaneous

Included: Barbed fittings for tubing 8 and 12 mm ID Pressure pump capacity with tubing 8 mm ID: 14 l/min Convenient filling after removing the venting grid



Product Data Sheet

FC600S Recirculating Cooler

[Print Data Sheet](#)

Product Image



Description

Recirculating Cooler for environmentally friendly cooling

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Advantages

- o Adjustable ratio for feed/return temperatures
- o Easy filling system located at the front
- o Activation of pump for filling
- o Bright MULTI-DISPLAY (LED)
- o Upper and lower temperature warning functions with interval tone
- o Integrated freezing protection and dry-running protection
- o Rapid and easy operation via seamless, splash-proof keypad
- o Liquid level indication on the front
- o Self-test, reciprocal sensor monitoring, pump motor and compressor overload protection
- o Complete shut-down with audible signal in case of an alarm
- o Removable venting grid for simplified removal of dust
- o ATC function for simple correction of temperature variations
- o RS232 interface for on-line communication (LIMS capability)
- o High temperature stability
- o Integrated heater with 1.2 kW capacity

Order Information

Model: FC600S
Order no.: 9600063

Available mains power:
230V / 50Hz
230V / 60Hz

Similar Models

These models could also be interesting for you:

FC600
FE500
FC1200S

Sales & Support:

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Technical Specifications

Working temperature range	-10 ... 80 °C
Temperature control	PID
Temperature stability	±0.2 °C
Display	2 x LED
Display resolution	0.1 °C
Integrated programmer	not available
Heater capacity	1200 W
Cooling capacity	20 10 5 -10 °C 500 370 300 100 W
Refrigerant	R134a
Pump capacity	Pressure: 1200 mbar Flow rate: 22 l/min
Digital interfaces	RS232
Filling volume	6 ... 8 Liters
Dimensions (W x L x H)	36 x 54 x 49 cm
Weight	44 kg
Ambient temperature	5 ... 40 °C
Classification according to DIN 12876-1	-

Miscellaneous

Included: Barbed fittings for tubing 8 and 12 mm ID Pressure pump capacity with tubing 8 mm ID: 15 l/min Convenient filling after removing the venting grid



Product Data Sheet

FC1200 Recirculating Cooler

[Print Data Sheet](#)

Product Image



Order Information

Model: FC1200
Order no.: 9600120

Available mains power:
 230V / 50Hz

Similar Models

These models could also be interesting for you:

FC1200S
FC1200T
FC1600

Sales & Support:

+49 7823 51-190

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 Pictures may differ from original.

Description

Recirculating Cooler for environmentally friendly cooling

Today, tap water is still often used for continuous cooling tasks. Is this acceptable with respect to environmental responsibility? Recirculating coolers of the JULABO TopLine stand for environmental consciousness that became a subject of growing importance in the recent years. The instruments offer an economical solution for cooling applications avoiding expenses for tap water and waste water disposal. The JULABO recirculating coolers of the Economy Line and TopLine have a compact design and fit under a lab counter. The bright MULTI-DISPLAY (LED) is visible from across a lab and gives instant information on actual and setpoint temperatures. Self-test after switch-on, reciprocal sensor monitoring, pump motor and compressor overload protection as well as complete shut-down in case of an alarm offer unequalled safety. Additional protection is ensured by high and low temperature warning functions as well as freezing protection and dry-running protection. These features ensure stable working temperatures, constant pressure of the circulating pump and avoid contamination in the cooling loop. Featuring various electrical connections, the TopLine models fulfill the requirements of modern laboratories.

Advantages

- o Adjustable ratio for feed/return temperatures
- o Easy filling system located at the front
- o Activation of pump for filling
- o Bright MULTI-DISPLAY (LED)
- o Upper and lower temperature warning functions with interval tone
- o Integrated freezing protection and dry-running protection
- o Rapid and easy operation via seamless, splash-proof keypad
- o Liquid level indication on the front
- o Self-test, reciprocal sensor monitoring, pump motor and compressor overload protection
- o Complete shut-down with audible signal in case of an alarm
- o Removable venting grid for simplified removal of dust
- o ATC function for simple correction of temperature variations
- o RS232 interface for on-line communication (LIMS capability)
- o High temperature stability
- o Integrated heater with 1.2 kW capacity
- o Pump pressure gauge 0 to 1,6 bar

Technical Specifications

Working temperature range	-20 ... 80 °C
Temperature control	PID
Temperature stability	±0.2 °C
Display	2 x LED
Display resolution	0.1 °C
Integrated programmer	not available
Heater capacity	1200 W
Cooling capacity	20 10 5 -10 °C 1300 950 750 370 W
Refrigerant	R134a
Pump capacity	Pressure: 500 mbar Flow rate: 20 l/min
Digital interfaces	RS232
Filling volume	8 ... 11 Liters
Dimensions (W x L x H)	46 x 61 x 49 cm
Weight	65 kg
Ambient temperature	5 ... 40 °C
Classification according to DIN 12876-1	-

Miscellaneous

Included: Barbed fittings for tubing 8 and 12 mm ID Pressure pump capacity with tubing 8 mm ID: 14 l/min Convenient filling after removing the venting grid



Product Data Sheet

FC1200S Recirculating Cooler

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Product Image



Order Information

Model: FC1200S
Order no.: 9600123

Available mains power:
230V / 50Hz

Downloads

not available

Similar Models

These models could also be interesting for you:

[FC1200T](#)
[FC1600S](#)
[FC1200S](#)

Sales & Support:

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Description

Recirculating Cooler for environmentally friendly cooling

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Advantages

- o Adjustable ratio for feed/return temperatures
- o Easy filling system located at the front
- o Activation of pump for filling
- o Bright MULTI-DISPLAY (LED)
- o Upper and lower temperature warning functions with interval tone
- o Integrated freezing protection and dry-running protection
- o Rapid and easy operation via seamless, splash-proof keypad
- o Liquid level indication on the front
- o Self-test, reciprocal sensor monitoring, pump motor and compressor overload protection
- o Complete shut-down with audible signal in case of an alarm
- o Removable venting grid for simplified removal of dust
- o ATC function for simple correction of temperature variations
- o RS232 interface for on-line communication (LIMS capability)
- o High temperature stability
- o Integrated heater with 1.2 kW capacity
- o Pump pressure gauge 0 to 2,5 bar

Technical Specifications

Working temperature range	-15 ... 80 °C
Temperature control	PID
Temperature stability	±0.2 °C
Display	2 x LED
Display resolution	0.1 °C
Integrated programmer	not available
Heater capacity	1200 W
Cooling capacity	20 10 5 -10 °C 1300 950 750 370 W
Refrigerant	R134a
Pump capacity	Pressure: 1200 mbar Flow rate: 22 l/min
Digital interfaces	RS232
Filling volume	8 ... 11 Liters
Dimensions (W x L x H)	46 x 61 x 49 cm
Weight	66 kg
Ambient temperature	5 ... 40 °C
Classification according to DIN 12876-1	-

Miscellaneous

Included: Barbed fittings for tubing 8 and 12 mm ID
Pressure pump capacity with tubing 8 mm ID: 15 l/min
Convenient filling after removing the venting grid



Product Data Sheet

FC1200T Recirculating Cooler

[Print Data Sheet](#)

Product Image



Order Information

Model: FC1200T
Order no.: 9600126

Available mains power:
230V / 50Hz

Similar Models

These models could also be interesting for you:

FC1600T
FC1200S
FC1200

Sales & Support:

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Description

Recirculating Cooler for environmentally friendly cooling

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Advantages

- o Adjustable ratio for feed/return temperatures
- o Easy filling system located at the front
- o Activation of pump for filling
- o Bright MULTI-DISPLAY (LED)
- o Upper and lower temperature warning functions with interval tone
- o Integrated freezing protection and dry-running protection
- o Rapid and easy operation via seamless, splash-proof keypad
- o Liquid level indication on the front
- o Self-test, reciprocal sensor monitoring, pump motor and compressor overload protection
- o Complete shut-down with audible signal in case of an alarm
- o Removable venting grid for simplified removal of dust
- o ATC function for simple correction of temperature variations
- o RS232 interface for on-line communication (LIMS capability)
- o High temperature stability
- o Integrated heater with 1.2 kW capacity
- o Pump pressure gauge 0 to 4 bar
- o Connection for external 4-lead Pt100 sensor
- o Analog setpoint/programmer input (0 to 20 mA / 0 to 10 V)
- o Temperature recorder output (0 to 20 mA / 0 to 10 V)

Technical Specifications

Working temperature range	-10 ... 80 °C
Temperature control	PID
Temperature stability	±0.2 °C
Display	2 x LED
Display resolution	0.1 °C
Integrated programmer	not available
Heater capacity	1200 W
Cooling capacity	20 10 0 °C 1100 750 400 W
Refrigerant	R134a
Pump capacity	Pressure: 3500 mbar Flow rate: 28 l/min
Digital interfaces	RS232
External Pt100 sensor connection	available
Filling volume	8 ... 11 Liters
Dimensions (W x L x H)	46 x 61 x 49 cm
Weight	67 kg
Ambient temperature	5 ... 40 °C
Classification according to DIN 12876-1	-

Miscellaneous

Included: Barbed fittings for tubing 8 and 12 mm ID Pressure pump capacity
with tubing 8 mm ID: 24 l/min Convenient filling after removing the venting
grid



Product Data Sheet

FC1600 Recirculating Cooler

[Print Data Sheet](#)

Product Image



Order Information

Model: FC1600
Order no.: 9600160

Available mains power:
230V / 50Hz
230V / 60Hz

Similar Models

These models could also be interesting for you:

FC1600S
FC1600T
FC12000

Sales & Support:

+49 7823 51-190

Monday to Friday
7:30 am - 17:00 pm

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Description

Recirculating Cooler for environmentally friendly cooling

Today, tap water is still often used for continuous cooling tasks. Is this acceptable with respect to environmental responsibility? Recirculating coolers of the JULABO TopLine stand for environmental consciousness that became a subject of growing importance in the recent years. The instruments offer an economical solution for cooling applications avoiding expenses for tap water and waste water disposal. The JULABO recirculating coolers of the Economy Line and TopLine have a compact design and fit under a lab counter. The bright MULTI-DISPLAY (LED) is visible from across a lab and gives instant information on actual and setpoint temperatures. Self-test after switch-on, reciprocal sensor monitoring, pump motor and compressor overload protection as well as complete shut-down in case of an alarm offer unequalled safety. Additional protection is ensured by high and low temperature warning functions as well as freezing protection and dry-running protection. These features ensure stable working temperatures, constant pressure of the circulating pump and avoid contamination in the cooling loop. Featuring various electrical connections, the TopLine models fulfill the requirements of modern laboratories.

Advantages

- o Adjustable ratio for feed/return temperatures
- o Easy filling system located at the front
- o Activation of pump for filling
- o Bright MULTI-DISPLAY (LED)
- o Upper and lower temperature warning functions with interval tone
- o Integrated freezing protection and dry-running protection
- o Rapid and easy operation via seamless, splash-proof keypad
- o Liquid level indication on the front
- o Self-test, reciprocal sensor monitoring, pump motor and compressor overload protection
- o Complete shut-down with audible signal in case of an alarm
- o Removable venting grid for simplified removal of dust
- o ATC function for simple correction of temperature variations
- o RS232 interface for on-line communication (LIMS capability)
- o High temperature stability
- o Integrated heater with 1.2 kW capacity
- o Pump pressure gauge 0 to 1,6 bar

Technical Specifications

Working temperature range	-20 ... 80 °C
Temperature control	PID
Temperature stability	±0.2 °C
Display	2 x LED
Display resolution	0.1 °C
Integrated programmer	not available
Heater capacity	1200 W
Cooling capacity	20 10 5 -10 °C 1650 1250 1000 470 W
Refrigerant	R134a
Pump capacity	Pressure: 500 mbar Flow rate: 20 l/min
Digital interfaces	RS232
Filling volume	8 ... 11 Liters
Dimensions (W x L x H)	46 x 61 x 49 cm
Weight	65 kg
Ambient temperature	5 ... 40 °C
Classification according to DIN 12876-1	-

Miscellaneous

Included: Barbed fittings for tubing 8 and 12 mm ID Pressure pump capacity with tubing 8 mm ID: 14 l/min Convenient filling after removing the venting grid



Product Data Sheet

FC1600S Recirculating Cooler

[Print Data Sheet](#)

Product Image



Order Information

Model: FC1600S
Order no.: 9600163

Available mains power:
230V / 50Hz
230V / 60Hz

Downloads

not available

Similar Models

These models could also be interesting for you:

FC1600T
FC1600S
FC1200S

Sales & Support:

+49 7823 51-190

Monday to Friday
7:30 am - 17:00 pm

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Description

Recirculating Cooler for environmentally friendly cooling

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Advantages

- o Adjustable ratio for feed/return temperatures
- o Easy filling system located at the front
- o Activation of pump for filling
- o Bright MULTI-DISPLAY (LED)
- o Upper and lower temperature warning functions with interval tone
- o Integrated freezing protection and dry-running protection
- o Rapid and easy operation via seamless, splash-proof keypad
- o Liquid level indication on the front
- o Self-test, reciprocal sensor monitoring, pump motor and compressor overload protection
- o Complete shut-down with audible signal in case of an alarm
- o Removable venting grid for simplified removal of dust
- o ATC function for simple correction of temperature variations
- o RS232 interface for on-line communication (LIMS capability)
- o High temperature stability
- o Integrated heater with 1.2 kW capacity
- o Pump pressure gauge 0 to 2,5 bar

Technical Specifications

Working temperature range	-15 ... 80 °C
Temperature control	PID
Temperature stability	±0.2 °C
Display	2 x LED
Display resolution	0.1 °C
Integrated programmer	not available
Heater capacity	1200 W
Cooling capacity	20 10 5 -10 °C 1550 1150 900 360 W
Refrigerant	R134a
Pump capacity	Pressure: 1200 mbar Flow rate: 22 l/min
Digital interfaces	RS232
Filling volume	8 ... 11 Liters
Dimensions (W x L x H)	46 x 61 x 49 cm
Weight	66 kg
Ambient temperature	5 ... 40 °C
Classification according to DIN 12876-1	-

Miscellaneous

Included: Barbed fittings for tubing 8 and 12 mm ID
Pressure pump capacity with tubing 8 mm ID: 15 l/min
Convenient filling after removing the venting grid



Product Data Sheet

FC1600T Recirculating Cooler

[Print Data Sheet](#)

Product Image



Order Information

Model: FC1600T
Order no.: 9600166

Available mains power:
230V / 50Hz
230V / 60Hz

Similar Models

These models could also be interesting for you:

FC1600S
FC1200T
FCW2500T

Sales & Support:

+49 7823 51-190

Monday to Friday
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Description

Recirculating Cooler for environmentally friendly cooling

Today, tap water is still often used for continuous cooling tasks. Is this acceptable with respect to environmental responsibility? Recirculating coolers of the JULABO TopLine stand for environmental consciousness that became a subject of growing importance in the recent years. The instruments offer an economical solution for cooling applications avoiding expenses for tap water and waste water disposal. The JULABO recirculating coolers of the Economy Line and TopLine have a compact design and fit under a lab counter. The bright MULTI-DISPLAY (LED) is visible from across a lab and gives instant information on actual and setpoint temperatures. Self-test after switch-on, reciprocal sensor monitoring, pump motor and compressor overload protection as well as complete shut-down in case of an alarm offer unequalled safety. Additional protection is ensured by high and low temperature warning functions as well as freezing protection and dry-running protection. These features ensure stable working temperatures, constant pressure of the circulating pump and avoid contamination in the cooling loop. Featuring various electrical connections, the TopLine models fulfill the requirements of modern laboratories.

Advantages

- o Adjustable ratio for feed/return temperatures
- o Easy filling system located at the front
- o Activation of pump for filling
- o Bright MULTI-DISPLAY (LED)
- o Upper and lower temperature warning functions with interval tone
- o Integrated freezing protection and dry-running protection
- o Rapid and easy operation via seamless, splash-proof keypad
- o Liquid level indication on the front
- o Self-test, reciprocal sensor monitoring, pump motor and compressor overload protection
- o Complete shut-down with audible signal in case of an alarm
- o Removable venting grid for simplified removal of dust
- o ATC function for simple correction of temperature variations
- o RS232 interface for on-line communication (LIMS capability)
- o High temperature stability
- o Integrated heater with 1.2 kW capacity
- o Pump pressure gauge 0 to 4 bar
- o Connection for external 4-lead Pt100 sensor
- o Analog setpoint/programmer input (0 to 20 mA / 0 to 10 V)
- o Temperature recorder output (0 to 20 mA / 0 to 10 V)

Technical Specifications

Working temperature range	-15 ... 80 °C
Temperature control	PID
Temperature stability	±0.2 °C
Display	2 x LED
Display resolution	0.1 °C
Integrated programmer	not available
Heater capacity	1200 W
Cooling capacity	20 10 0 °C 1450 1050 500 W
Refrigerant	R134a
Pump capacity	Pressure: 3500 mbar Flow rate: 28 l/min
Digital interfaces	RS232
External Pt100 sensor connection	available
Filling volume	8 ... 11 Liters
Dimensions (W x L x H)	46 x 61 x 49 cm
Weight	67 kg
Ambient temperature	5 ... 40 °C
Classification according to DIN 12876-1	-

Miscellaneous

Included: Barbed fittings for tubing 8 and 12 mm ID Pressure pump capacity with tubing 8 mm ID: 24 l/min Convenient filling after removing the venting grid



Product Data Sheet

FCW2500T Recirculating Cooler

[Print Data Sheet](#)

Product Image



Order Information

Model: FCW2500T
Order no.: 9601256

Available mains power:
230V / 50Hz
230V / 60Hz

Similar Models

These models could also be interesting for you:

FEW2800T
SC2500a
SC2500w

Sales & Support:

+49 7823 51-190

Monday to Friday
7:30 am - 17:00 pm

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Pictures may differ from original.

Description

Water-cooled Recirculating Cooler for environmentally friendly cooling

The JULABO recirculating coolers of the Economy Line and TopLine have a compact design and fit under a lab counter. The bright MULTI-DISPLAY (LED) is visible from across a lab and gives instant information on actual and setpoint temperatures. Self-test after switch-on, reciprocal sensor monitoring, pump motor and compressor overload protection as well as complete shut-down in case of an alarm offer unequalled safety. Additional protection is ensured by high and low temperature warning functions as well as freezing protection and dry-running protection. These features ensure stable working temperatures, constant pressure of the circulating pump and avoid contamination in the cooling loop. Featuring various electrical connections, the TopLine models fulfill the requirements of modern laboratories.

Advantages

- o Easy filling system located at the front
- o Activation of pump for filling
- o Bright MULTI-DISPLAY (LED)
- o Upper and lower temperature warning functions with interval tone
- o Integrated freezing protection and dry-running protection
- o Rapid and easy operation via seamless, splash-proof keypad
- o Liquid level indication on the front
- o Self-test, reciprocal sensor monitoring, pump motor and compressor overload protection
- o Complete shut-down with audible signal in case of an alarm
- o Removable venting grid for simplified removal of dust
- o ATC function for simple correction of temperature variations
- o Increased pressure pump capacity
- o Pump pressure gauge 0 to 6 bar
- o Water-cooled (almost no heat generation, low noise level)

Technical Specifications

Working temperature range	-25 ... 80 °C
Temperature control	PID
Temperature stability	±0.2 °C
Display	LED
Display resolution	0.1 °C
Integrated programmer	not available
Heater capacity	1200 W
Cooling capacity	20 10 5 -10 -20 °C 2500 2000 1800 800 250 W
Refrigerant	R404A
Pump capacity	Pressure: 3500 mbar Flow rate: 28 l/min
Digital interfaces	RS232
External Pt100 sensor connection	available
Filling volume	8 ... 11 Liters
Dimensions (W x L x H)	46 x 61 x 49 cm
Weight	74 kg
Ambient temperature	5 ... 40 °C
Classification according to DIN 12876-1	-

Miscellaneous

Included: Barbed fittings for tubing 8 and 12 mm ID