

ARTISAN®
TECHNOLOGY GROUP

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**Artisan Technology Group**
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**Full-service, independent repair center**
with experienced engineers and technicians on staff.

**We buy your excess, underutilized, and idle equipment**
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**Custom engineering**
so your equipment works exactly as you specify.

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**Expert team | Trust guarantee | 100% satisfaction**

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## JULABO® F32-HD Heating and Refrigerated Circulator

**Standard Features**

- Active heating and cooling throughout entire temperature range
- Patented adjustable high/low temperature warning functions
- RS232 and RS485 serial interfaces
- Adjustable high temperature safety shutoff
- Advanced control electronics automatically optimize PID parameters
- Capable of direct control of external system with Pt100 probe
- Analog input/output
- TWO YEAR warranty on parts and labor in North America



**F32-HD Heating and Refrigerated Circulator**

| **JULABO® Order No.** | **9 240 632** |
|---|---|
| Working Temperature Range | **-32°C…+200°C** |
| Temperature Stability | **±0.01°C** |
| Display Resolution | **0.01°C below +100°C** |
| Interface | **RS232 and RS485** |
| Safety Class | **2** |
| Heater Capacity (115V/60Hz or 230V/50Hz) | **1000W or 2000W** |
| Cooling Capacity<br>at +20°C<br>at 0°C<br>at -20°C | <br>**450W**<br>**390W**<br>**150W** |
| Refrigerant | **R134a** |
| Pump Capacity (pressure) | **20Lpm, 5 psi** |
| Pump Capacity (suction) | **14Lpm, 3.2 psi** |
| Bath Opening Dimensions (WxL/D) | **7 x 5 / 6 inches** (17.8 x 12.7 / 15.2 cm) |
| Filling volume | **5.5 ... 8L** |
| Overall Dimensions (WxLxH) | **12 x 16.5 x 25.5 inches**(30.5 x 41.9 x 64.8 cm) |
| Weight | **84lbs.** (38.1 kg) |
| Mains Power Requirement | **115V/60Hz** **(available in 230V/50Hz - call for details)** |

## Accessories Commonly used with F32-HD

- 8mm Viton® tubing for pumping externally. 1m length (Order #8 930 108)
- 10mm Viton® tubing for pumping externally. 1m length (Order #8 930 110) Requires also adapter #8 970 447
- 12mm Viton® tubing for pumping externally. 1m length (Order #8 930 112)
- **JULABO®** Triple-insulated Metal Tubing for maximum efficiency at high and low temperatures.
- **JULABO®** Bath Fluids to achieve temperatures beyond the working range of water, or for achieving more rapid temperature changes.
- **JULABO®** Adapters for attachment of F32-HD to external system. All common sizes available
- **JULABO®** Pt100 temperature probes for direct control of external system
- **JULABO®** Software for PC control through RS232 interface

**Artisan Technology Group** is an independent supplier of quality pre-owned equipment

## Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

## We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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