



# LABORATORY CHILLER

Next-Gen Precision Cooling for Smarter Laboratories

## Introduction

Built with intelligent temperature control and corrosion-resistant components, our Laboratory chiller is engineered for labs that demand performance, reliability, and sustainability. Whether you're working with rotary evaporators, condensers, or analytical instruments, it seamlessly integrates with a wide range of lab equipment. Designed with user convenience and long-term efficiency in mind, it's the ideal choice for modern labs in pharmaceuticals, chemicals, food & beverage, and research.



## Why Magnetic Drive Pumps Are the Smarter Choice for Lab Chillers



No mechanical seals—minimizing wear, failure, and maintenance



Lower lifecycle costs due to higher energy efficiency



Quieter operation with minimal vibration



Generates less heat, preserving cooling efficiency

# Features



## Rapid Cooling with Immersion Vessel

Quickly chill test tubes, flasks, or glassware with enhanced thermal control for faster turnaround times.

## Quick 360° Swivel Connector

Designed for fast, tool-free alignment, the swivel connector offers full rotational flexibility—making system setup faster, safer, & more ergonomic.



## Built-In Drip Tray

Stay clean and organized with a built-in tray that captures excess water, prevents spillage, and protects your workspace.

## Bypass Valve

Maintains consistent flow and pressure by diverting excess fluid—critical for protecting system integrity during varying loads.



## Auto Shutdown Protection (MCB)

Protect your equipment from electrical surges with smart auto-shutdown, ensuring safe, uninterrupted operation every time.

## Intuitive Touch Controls

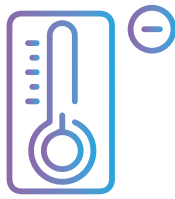
Modern, responsive, and easy-to-use interface—designed for lab professionals who need quick control, even while wearing gloves.



## Wide Sealed Fill Port

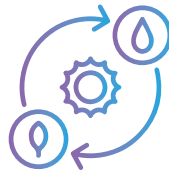
Top up fluids effortlessly. Our wide, sealed access point makes refilling quick, clean, and contamination-free.

# The Smart Upgrade Your Workflow Deserves



## Unmatched Temperature Control

Maintain consistent results with  $\pm 1^\circ\text{C}$  accuracy perfect for sensitive applications where precision is critical.



## Water-Smart Operation

Closed-loop system reduces tap water use and lowers utility bills—supporting eco-conscious lab practices.



## Space-Saving Performance

Compact, quiet, and built for continuous cooling without taking over your bench.

## Technical Specifications

Parameters	CHL250	CHL500	CHL010	CHL020
Tank capacity	4...5 L	5.5...6.5 L	8...9 L	20L
Tank size (L x B x H) mm	(230x162x132) mm	(230x210x132) mm	(230x210x182) mm	(230x360x252) mm
Overall Dimensions	(590x268x498) mm	(590x320x544) mm	(590x320x570) mm	(658x466x838) mm
Cooling capacity @-10°C	250 W	500 W	1000 W	2000W
Pump flow rate	6 LPM	15 LPM	15 LPM	15 LPM
Display	LED	LED	LED	LED
Temperature stability	$\pm 1.0^\circ\text{C}$	$\pm 1.0^\circ\text{C}$	$\pm 1.0^\circ\text{C}$	$\pm 1.0^\circ\text{C}$
Temperature range	-20 °C to ambient	-20 °C to ambient	-20 °C to ambient	-20 °C to ambient
Castor Wheels for Mobility	NA	Yes	Yes	Yes
Ordering Information	BLFRCHL250000000000	BLFRCHL500000000000	BLFRCHL010000000000	BLFRCHL020000000000
Prices/ Piece	On request	On request	On request	On request

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