

Water Chiller Unit for UV Laser Marking

This portable water chiller unit is designed for rack mount refrigeration. It is specially designed for 3W-5W UV lasers.



Product Overview

High-Precision Cooling for UV Laser Systems

This portable water chiller is engineered specifically for UV laser marking applications, featuring a compact design that minimizes bubble generation and maintains stable laser output. It offers two temperature control modes—intelligent and constant—to prevent condensation and ensure optimal performance. With a robust pipeline design and high-precision temperature regulation, this unit is built for reliability and ease of use in professional industrial environments.

Performance Metrics

Key Performance Indicators

0.1 °C

Temperature Precision

13 L/min

Max Flow Rate

12 M

Max Lift

3.5 L

Tank Capacity

Technical Specifications

Electrical Requirements

Parameter	Value
Voltage	220V
Frequency	50Hz
Pump Power	0.05KW

Dimensions & Weight

- Unit Dimension: 49 x 48 x 22 cm
- Packing Dimension: 65 x 55 x 34 cm
- Net Weight: 23 kg
- Gross Weight: 26 kg

Compliance & Features

Key Features

ModBus-485 Support • Intelligent Temperature Control • Constant Temperature Control • Air Transport Compliant

Compliance Standards

ISO, CE, RoHS, REACH

Maintenance

Preventative Maintenance

To prevent internal clogging and maintain optimal cooling efficiency, it is recommended to use only purified or clean distilled water as the circulating cooling medium. The water should be replaced every 3 months to ensure long-term reliability and performance of the unit.