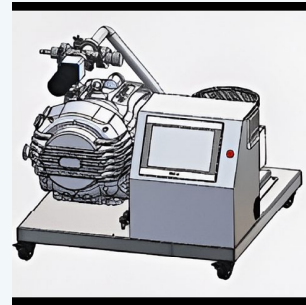


PRODUCT TECHNICAL BRIEF

CBVAC JFJ-301 High-Vacuum Pumping Unit

CBVAC JFJ-301 High-Vacuum Pumping Unit - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
High-vacuum pump	CBVAC JFB-100/301
Pumping speed	300 L/s nitrogen; 230 L/s helium
Ultimate pressure of turbopump stage	$\leq 5 \times 10^{-7}$ Pa CF; $\leq 5 \times 10^{-6}$ Pa LF/ISO-K under stated conditions
Main inlet	DN100 LF/ISO-K or CF100
Foreline / recommended backing speed	KF25, with KF40 option stated / 2-6 L/s
Turbopump control	Integrated 48 V DC or external 220 V AC controller; RS-485 Modbus RTU
Cooling	Air or water depending on load
Approximate unit weight	36-47 kg in the current inventory, configuration-dependent

Technical and Project Information

Configurable high-vacuum unit based on the JFB-100/301 turbomolecular pump. The high-vacuum stage provides 300 L/s for nitrogen and is available with LF/ISO-K or CF inlet configurations.

The JFJ-301 combines a JFB-100/301 turbomolecular pump with application-specific backing, isolation, measurement and control equipment.

Confirm the exact unit code, backing pump, valves, gauge, controller, frame, cooling and interface. Effective chamber speed and pressure depend on conductance, leaks, outgassing and backing performance.

- Vacuum Pumps Atmosphere-to-High-Vacuum Dry Pumps High-Vacuum Pumping Stations CBVAC JFJ High-Vacuum Pumping Stations KYKY High-Vacuum Pumping Stations Ion Pumps KYKY RV Rotary-Vane Pumps Roots Booster Pumps Screw Vacuum Pumps Tank Evacuation Systems Turbomolecular Pumps
- Atmosphere-to-High-Vacuum Dry Pumps

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- KYKY High-Vacuum Pumping Stations
- KYKY RV Rotary-Vane Pumps
- Roots Booster Pumps
- Screw Vacuum Pumps
- Tank Evacuation Systems
- Turbomolecular Pumps
- Helium Reference Leaks
- Scanning Electron Microscopes
- Leak-Detector Accessories

WORLDWIDE PROJECT CONTACT

Send the test object or system, operating conditions, target sensitivity or pressure range, applicable standard, destination country, quantity and schedule. LeakLab will review the project scope.

mail@leaklab.org

Regarding: CBVAC JFJ-301 High-Vacuum Pumping Unit

Specifications, standards, verification scope, availability and commercial terms must be confirmed for the exact configuration and destination jurisdiction before order or project acceptance.