

PRODUCT TECHNICAL BRIEF

KYKY FJ-110 Turbomolecular Pumping Station

KYKY FJ-110 Turbomolecular Pumping Station - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Turbomolecular pumping speed: N₂ / He / H₂ / Ar	110 / 100 / 50 / 100 L/s
Compression ratio: N₂ / He / H₂ / Ar	1×10^8 / 1×10^2 / 1×10^2 / 1×10^8
Station ultimate pressure / measurement range	5×10^{-5} Pa / 1×10^{-5} to 1×10^5 Pa
Recommended starting pressure	<10 Pa in the current product page
Vacuum connections	KYKY documents conflict: current page lists DN25 ISO-KF inlet and outlet; catalog literature lists a DN100 CF or ISO-K high-vacuum inlet and DN25 ISO-KF foreline
Backing pump / controller	RV-4 oil-sealed rotary-vane pump / FD-110B
Cooling	Air at 5-32 °C ambient, or water at >1 L/min and ≤25 °C
Power	220 V AC ±10%, 50 Hz
Mounting / dimensions / weight	Vertical / 500 × 510 × 840 mm / 52 kg

Technical and Project Information

Integrated high-vacuum station with 110 L/s nitrogen pumping speed, an RV-4 oil-sealed backing pump and FD-110B controller. The FJ-110 supports air or water cooling and operates from 220 V, 50 Hz power.

The FJ-110 combines an FF-100/110 compound turbomolecular pump, RV-4 backing pump, vacuum measurement, valves and controls in a vertical mobile frame. It is intended for surface analysis, accelerator and plasma equipment, electronic-device production and general high-vacuum work.

The station uses an oil-sealed RV-4 backing pump in the standard configuration, so it should not be described as an entirely oil-free system. Confirm the current flange layout from the ordering drawing before integration.

Confirm gauge, valves, cooling kit, controller interfaces, exhaust management and supplied accessories. Interlock the backing pump, pressure, cooling and turbopump speed.

- 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
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- 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: KYKY FJ-110 Turbomolecular Pumping Station

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