

PRODUCT TECHNICAL BRIEF

KYKY FF-250/2000 Turbomolecular Pump

KYKY FF-250/2000 Turbomolecular Pump - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Pumping speed: N ₂ / He / H ₂ / Ar	2,000 / 1,600 / 740 / 1,900 L/s
Compression ratio: N ₂ / He / H ₂ / Ar	1×10^8 / 1×10^4 / 6×10^3 / 1×10^9
Ultimate pressure	6×10^{-7} Pa with CF inlet; 6×10^{-6} Pa with ISO-K inlet
Main inlet / foreline	DN250 CF or DN250 ISO-K / DN50 ISO-KF
Maximum continuous / short-term foreline pressure	200 / 650 Pa for nitrogen
Nominal rotor speed / start time	24,000 rpm / ≤ 9 min
Cooling	Water, ≥ 1 L/min at ≤ 25 °C
Supply and compatible control units	24 V DC or 220 V AC; TCDP-II, FD-IIB, TD-II or TCP-II listed by KYKY
Maximum power	750 W
Recommended backing-pump speed	15 L/s
Mounting / weight	Any orientation / 32 kg ISO-K, 35 kg CF

Technical and Project Information

Water-cooled grease-lubricated ceramic-bearing turbomolecular pump with 2,000 L/s nitrogen pumping speed. The FF-250/2000 has a DN250 CF or ISO-K inlet, DN50 ISO-KF foreline connection and any-orientation mounting.

The FF-250/2000 is a large compound turbomolecular pump for coating, plasma, vacuum furnace, research and industrial high-vacuum systems. It uses grease-lubricated ceramic bearings and water cooling.

The former Russian title claimed 6×10^{-8} Pa. Current KYKY data gives 6×10^{-7} Pa for CF and 6×10^{-6} Pa for ISO-K.

Confirm suffix, flange, controller, cables, cooling and backing pump. Use certified lifting and interlocked backing, cooling, speed and controlled venting.

- Vacuum Pumps Atmosphere-to-High-Vacuum Dry Pumps High-Vacuum Pumping Stations Ion Pumps KYKY RV Rotary-Vane Pumps Roots Booster Pumps Screw Vacuum Pumps Tank Evacuation Systems Turbomolecular Pumps Grease-Lubricated KYKY Turbomolecular Pumps JFB Ceramic-Bearing Turbomolecular Pumps KYKY CXF Magnetically Levitated Turbomolecular Pumps KYKY FF Turbomolecular Pumps for Vacuum Insulation MTP Magnetically Levitated Turbomolecular Pumps
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- High-Vacuum Pumping Stations
- KYKY RV Rotary-Vane Pumps
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- Grease-Lubricated KYKY Turbomolecular Pumps
- JFB Ceramic-Bearing Turbomolecular Pumps
- KYKY CXF Magnetically Levitated Turbomolecular Pumps
- KYKY FF Turbomolecular Pumps for Vacuum Insulation
- MTP Magnetically Levitated 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 FF-250/2000 Turbomolecular Pump

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