PRODUCT TECHNICAL BRIEF

3L-100 Triode Sputter-Ion Pump, 110 L/s

3L-100 Triode Sputter-Ion Pump, 110 L/s - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Nitrogen pumping speed	110 L/s
Argon pumping speed	24 L/s
Ultimate pressure	7 × 10^-8 Pa
Maximum start pressure	≤5 × 10^-4 Pa
Inlet flange	DN150CF
Working voltage	-5 kV
Electrode units	4
Maximum bakeout temperature	<200 °C with magnets / <300 °C without magnets
Dimensions	350 × 250 × 307 mm
Weight	38 kg

Technical and Project Information

KYKY 3L-100 triode sputter-ion pump for clean ultra-high vacuum systems. Nitrogen pumping speed: 110 L/s; argon pumping speed: 24 L/s; ultimate pressure: 7 × 10^-8 Pa. Triode construction improves inert-gas pumping compared with the corresponding diode configuration. Confirm the controller and complete scope before ordering.

KYKY 3L-100 Triode Sputter-Ion Pump

The 3L-100 is an oil-free triode ion pump for ultra-high vacuum systems. Its triode electrode arrangement is intended to improve inert-gas pumping while retaining the low vibration and clean operation of a sputter-ion pump.

Use a suitable preliminary vacuum system, short high-conductance connections and controlled bakeout. Actual chamber pressure depends on gas load, conductance, surface preparation and instrumentation.

Confirm the current manufacturer datasheet, controller, high-voltage cable, magnets, flange and included accessories before ordering.

- Vacuum Pumps Atmosphere-to-High-Vacuum Dry Pumps High-Vacuum Pumping Stations Ion Pumps Diode Ion Pumps for Heavy Gases Triode Ion Pumps for Noble Gases KYKY RV Rotary-Vane Pumps Roots Booster Pumps Screw Vacuum Pumps Tank Evacuation Systems Turbomolecular Pumps
- Atmosphere-to-High-Vacuum Dry Pumps
- High-Vacuum Pumping Stations
- Ion Pumps Diode Ion Pumps for Heavy Gases Triode Ion Pumps for Noble Gases
- Diode Ion Pumps for Heavy Gases
- Triode Ion Pumps for Noble Gases
- 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: 3L-100 Triode Sputter-Ion Pump, 110 L/s

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