

PRODUCT TECHNICAL BRIEF

3L-50 Triode Sputter-Ion Pump, 55 L/s

3L-50 Triode Sputter-Ion Pump, 55 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	55 L/s
Argon pumping speed	12 L/s
Ultimate pressure	7×10^{-8} Pa
Maximum start pressure	$\leq 5 \times 10^{-4}$ Pa
Inlet flange	CF100
Working voltage	-5 kV
Electrode units	2
Maximum bakeout temperature	<200 °C with magnets / <300 °C without magnets
Indicative weight	Approximately 22 kg
Bakeout jacket	Not included in the stated configuration

Technical and Project Information

KYKY 3L-50 triode sputter-ion pump for compact clean ultra-high vacuum systems. Nitrogen pumping speed: 55 L/s; argon pumping speed: 12 L/s; ultimate pressure: 7×10^{-8} Pa. Confirm the high-voltage controller and complete configuration before ordering.

KYKY 3L-50 Triode Sputter-Ion Pump

The 3L-50 is an oil-free triode ion pump for compact ultra-high vacuum chambers, mass spectrometers and electron-optical systems. It has no rotating parts and its triode electrode arrangement improves pumping of inert gases compared with the corresponding diode design.

Use a suitable preliminary vacuum stage and follow the manufacturer procedure for start-up, bakeout and conditioning. Final pressure depends on chamber gas load, conductance, cleanliness and measurement method.

Confirm the current datasheet, dimensions, controller, cable, magnets, flange and scope of supply 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-50 Triode Sputter-Ion Pump, 55 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.