

PRODUCT TECHNICAL BRIEF

CBVAC MTP-2201 Magnetically Levitated Turbomolecular Pump, 2,200 L/s

CBVAC MTP-2201 Magnetically Levitated Turbomolecular Pump, 2,200 L/s - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Pumping speed: N2 / Ar / H2	2,200 / 1,900 / 1,700 L/s
Ultimate pressure	$\leq 1 \times 10^{-7}$ Pa under stated conditions
Compression ratio: N2 / H2	$> 1 \times 10^8$ / $> 1 \times 10^4$
Main inlet / foreline	ISO250F / KF40
Nominal / standby rotor speed	27,000 / approximately 5,000 rpm
Acceleration / stopping time	<8 min / <11 min
Recommended backing-pump speed	>1,300 L/min in the source record
Inlet-flange degassing temperature	<120 °C
Cooling	Water; TMS supported depending on configuration
Enclosure / mounting	IP54 / any orientation
Nitrogen purge	50 $\pm$ 10 sccm
Approximate weight	62 kg

Technical and Project Information

Magnetic-bearing turbomolecular pump with an integrated controller and 2,200 L/s nitrogen pumping speed. The MTP-2201 uses an ISO250F inlet, KF40 foreline connection, water cooling, optional TMS temperature management and nitrogen purge.

CBVAC MTP-2201 Magnetically Levitated Turbomolecular Pump

The MTP-2201 is a magnetic-bearing high-vacuum pump with an integrated controller for large process chambers. Water cooling, purge and temperature-management options support demanding gas-load conditions.

Confirm controller firmware, mains supply, cable, cooling-water requirements, TMS hardware, purge kit, backing pump, interface and exact inlet seal. "TMS supported" does not mean it is included.

Use safe lifting and interlocked backing, cooling, rotor-speed, purge and vent sequences.

- 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
- Atmosphere-to-High-Vacuum Dry Pumps
- High-Vacuum Pumping Stations
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- Screw Vacuum 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: CBVAC MTP-2201 Magnetically Levitated Turbomolecular Pump, 2,200 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.