

PRODUCT TECHNICAL BRIEF

KYKY GCQ Large-Diameter High-Vacuum Pneumatic Gate Valves

KYKY GCQ Large-Diameter High-Vacuum Pneumatic Gate Valves - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Models / nominal sizes	GCQ-500B, 630B, 800B, 1000B and 1250B; DN500-DN1250
Standard flange	ISO-F
Application pressure range	1×10^{-5} to 1×10^{-5} Pa in current KYKY data
Specified leak rate	$\leq 6.7 \times 10^{-10}$ Pa·m ³ /s
Drive / operating air	Pneumatic / 0.6-0.7 MPa
Position indication	Magnetic switches with status indication
Bakeout temperature	150 °C open; 120 °C closed
Mounting orientation	Valve body horizontal or cylinder upward

Technical and Project Information

Large-diameter pneumatic high-vacuum gate valves for DN500-DN1250 ISO-F lines. The KYKY GCQ series uses magnetic position sensing and a damped mechanism for large chambers and transfer systems.

The large-bore GCQ series is intended for large vacuum equipment, space-environment simulation, accelerators, fusion research and other systems requiring low-impact isolation of a large circular line.

The former Russian record described this catalog series as rectangular and quoted a 10^{-6} Pa lower range. KYKY's current GCQ-1250B page describes a large-diameter ISO-F valve and specifies 10^{-5} Pa. Custom rectangular GCQ-style valves are a separate engineered product.

Confirm the selected DN, mass, support loads, actuator envelope, closure differential, solenoid voltage, sensor logic and seal material. Use engineered lifting and interlocked operation.

- Vacuum Components Gas-Filling Stands for Testing KYKY Vacuum Gate Valves Vacuum Bellows Vacuum Test Chambers Vacuum Valves
- Gas-Filling Stands for Testing
- KYKY Vacuum Gate Valves
- Vacuum Test Chambers
- 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 GCQ Large-Diameter High-Vacuum Pneumatic Gate Valves

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