

PRODUCT TECHNICAL BRIEF

KYKY CCQ Large-Diameter Ultra-High-Vacuum Pneumatic Gate Valves

KYKY CCQ Large-Diameter Ultra-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	CCQ-500B, 630B, 800B, 1000B and 1250B; DN500-DN1250
Standard flange	ISO-F
Application pressure range	1×10^{-5} to 1×10^{-6} Pa
Specified leak rate	$\leq 1.3 \times 10^{-10}$ 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 horizontal or vertically upward, subject to the approved drawing
Permitted media	Air and non-corrosive gases

Technical and Project Information

Large-diameter side-actuated pneumatic gate valves for DN500-DN1250 ISO-F vacuum lines. The KYKY CCQ large-bore series is designed for low-impact isolation in space simulation, accelerator, fusion and other large vacuum systems.

The large-bore CCQ series places the pneumatic cylinder at the side of the valve to reduce overall height. A 316L welded bellows is used as the moving shaft seal in KYKY's current product description.

The former Russian record called this a CCD electric series even though its data described a pneumatic actuator. KYKY's current large-diameter catalog identifies the DN500-DN1250 side-actuated family as CCQ.

These heavy valves require engineered supports, lifting points, actuator clearance and interlocked sequencing. Confirm mass, center of gravity, closure differential, solenoid and sensor interfaces for the selected DN.

- 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 CCQ Large-Diameter Ultra-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.