

PRODUCT TECHNICAL BRIEF

KYKY CCQ Pneumatically Actuated Ultra-High-Vacuum Gate Valves

KYKY CCQ Pneumatically Actuated Ultra-High-Vacuum 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-35B, 50B, 63B, 80A, 100A, 150A, 200A, 250A, 320B and 400B; DN35-DN400
Standard flanges	CF or 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 / indication	Pneumatic / magnetic switches with open/closed indication
Operating air pressure	Model-dependent; current pages show 0.3-0.4 MPa for CCQ-50B and 0.4-0.5 MPa for CCQ-150A
Bakeout temperature	150 °C open; 120 °C closed
Mounting orientation	Valve body horizontal or cylinder upward
Permitted media	Air and non-corrosive gases

Technical and Project Information

Pneumatically actuated ultra-high-vacuum gate valves in nominal sizes DN35-DN400. KYKY CCQ valves use CF or ISO-F flanges, magnetic position switches and a specified leak rate of $\leq 1.3 \times 10^{-10}$ Pa·m³/s.

The CCQ series uses compressed air and a solenoid directional valve to open and close a compact gate. Magnetic sensors provide open/closed feedback for automated vacuum equipment.

The legacy source page generalized 0.3-0.7 MPa, added ISO-K flanges and allowed any orientation. These details vary or conflict with current model pages and have been corrected.

Confirm air pressure for the selected DN, solenoid voltage, sensor logic, flange, seal and fail position. Use filtered dry instrument air and suitable interlocks.

- 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 Pneumatically Actuated Ultra-High-Vacuum 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.