



**Series new VQ1000/2000  
5 Port Solenoid Valve  
Metal Seal / Rubber Seal**

## Main Technical Characteristics

### General Valve Specifications

Valve type		New VQ		Old VQ		
		Metal seal	Rubber seal	Metal seal	Rubber seal	
<i>Pilot valve</i>		<i>V100</i>		<i>VQ100</i>		
Valve specifications	Max. Operating pressure	0.7 MPa (standard) 1.0 MPa (high-pressure type)	0.7 MPa	0.7 MPa (standard) 1.0 MPa (high-pressure type)	0.7 MPa	
	Min. operating pressure	Single solenoid	0.1 MPa	0.15 MPa	0.1 MPa	0.15 MPa
		Double solenoid	0.1 MPa			
		3-position	0.1 MPa	0.2 MPa	0.1 MPa	0.2 MPa
		4-position	---	0.15 MPa	---	0.15 MPa
Ambient and fluid temperature	-10 to 50 °C					
<i>Manual override</i>		Locking type (tool required); locking type (manual); <b>side</b>		Locking type (tool required); side locking type (manual)		

		<b>locking type (manual)</b>	
<b>Response time</b>	<b>Standard type</b>	<b>15 ms or less</b>	<b>12 ms or less</b>
	<b>Optional type</b>	<b>Option B: 12 ms or less</b>	<b>Option Y: 15 ms or less</b>
<b>Options</b>		<b>B, K, N, R</b>	<b>H, K, N, R, Y</b>
<b>Dimensions</b>		86/117L x <b>54.5H</b> x 29.5W	86/117L x <b>54.3H</b> x 29.5W

**NOTE** Available options in old/new VQ:

- **B:** high-speed response type (high-wattage type)
- **H:** high pressure type
- **K:** high-pressure type (high-wattage type)
- **N:** negative common
- **R:** external pilot
- **Y:** low-wattage type

### General Electrical Specifications

Valve type		<b>New VQ</b>	<b>Old VQ</b>
Rated coil voltage		24 VDC	
<b>Power consumption</b>	24VDC	<b>Standard: 0.4WDC, 17mA</b> <b>High-speed response: 0.95WDC, 40mA</b>	<b>Standard: 1.0WDC, 42mA</b> <b>High voltage type: 1.5WDC, 63mA</b> <b>Low-wattage type: 0.5WDC, 21mA</b>
	12 VDC	<b>Standard: 0.4WDC, 34mA</b> <b>High-speed response: 0.95WDC, 80mA</b>	<b>Standard: 1.0WDC, 83mA</b> <b>High voltage type: 1.5WDC, 125mA</b> <b>Low-wattage type: 0.5WDC, 42mA</b>
Allowable voltage fluctuation		± 10% of rated voltage	

### How to order

