Mass Flow Controller (Hydrogen/Helium model)

Type MQV□□□

Model number		MQV9020	MQV9050	MQV9500	MQV0005	MQV0010	MQV0050	MQV0200
Standard full scale flow rate (air)		20.0 mL/min (standard)	50.0 mL/min (standard)	0.500 L/min (standard)	5.00 L/min (standard)	10.00 L/min (standard)	50.0 L/min (standard)	200 L/min (standard)
Compatible gas type		Hydrogen (H_2)、Helium (He) However, the dry gas must be free of corrosive components such as chlorine, sulfur, and acids. The gas shall be clean and free of dust and oil mist.						
Control	Control range (air)	1～100% FS						
	Responsiveness (at standard differential pressure)	0.5s (Typ.) within ±2% FS of setting		0.3s (Typ.) within ±2% FS of setting				
		(when control is started from fully closed state or when setting is changed during control)						
	Accuracy (at standard temperature and standard differential pressure, Q: flow rate)	±0.5%FS (0%FS≦Q≦50%FS) ±1.0%FS (50%FS<Q≦100%FS)	±1.0%FS (0%FS≦Q≦100%FS)	±0.5% FS (0% FS≦Q≦40% FS) ±1.0% FS (40% FS<Q≦80% FS) ±2.0% FS (80% FS<Q≦100% FS)				
Pressure	Operating differential pressure range	Less than 300 kPa (−10℃≦T≦60℃)						
	pressure-resistant	0.5 MPa (gauge)						
Allowable operating temperature range		-10～+60℃						
Analog input		0-5V dc / 1-5V dc / 0-20 mA dc / 4-20 mA dc (Switchable)						
Analog output		0-5V dc / 1-5V dc / 0-20 mA dc / 4-20 mA dc (Switchable)						
Commnucation method		(1) Dedicated loader communication (2) RS-485 communication (3-wire)						
Rated power supply		DC 24V, current consumption 300mA max.						
Gas contact material		SUS316, Teflon, Fluorine rubber, Borosilicate glass, Silicon		SUS316, Teflon, Fluorine rubber				
Connecting method		1/4" Swl, 1/4" VCR		Rc 1/4", 1/4" Swl, 1/4" VCR, 9/16-18 UNF				
Weight		Approx. 1.1kg		Approx. 1.2kg				

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