

Mass Flow Controller (standard gas/small flow model)

Type MQV□□□



Model number	MQV9005	MQV9020	MQV9200	MQV9500	MQV0002	MQV0005	MQV0020	MQV0050 (B,C)	MQV0100	
Standard full scale flow rate (air)	5.00 mL/min (standard)	20.0 mL/min (standard)	200 mL/min (standard)	0.500 L/min (standard)	2.00 L/min (standard)	5.00 L/min (standard)	20.0 L/min (standard)	50.0 L/min (standard)	100.0 L/min (standard)	
Applicable gases	Air/Nitrogen (N ₂), Oxygen (O ₂), Argon (Ar)		Standard gas model: : Air/Nitrogen (N ₂), Oxygen (O ₂), Argon (Ar), Carbon dioxide (CO ₂), City gas 13A (LNG:45MJ/m ³), City gas 13A (LNG:46MJ/m ³), Methane 100%(CH ₄), Propane 100%(C ₃ H ₈), butane 100%(C ₄ H ₁₀)					Air/Nitrogen (N ₂), Oxygen (O ₂), Argon (Ar), Carbon dioxide (CO ₂)		
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)	2~100%FS		1~100% FS						
	Responsiveness (at standard differential pressure)	0.5s (Typ.) within ±2% FS of setting		0.3s (Typ.) within ±2% FS of setting						
	Accuracy (at standard temperature and standard differential pressure, Q: flow rate)	±1% FS		Standard product: ±0.5%FS (0%FS ≤ Q ≤ 50%FS) ±1%FS (50%FS < Q ≤ 100%FS) High accuracy product: ±0.2%FS (0%FS ≤ Q < 20%FS) ±1%SP (20%FS ≤ Q ≤ 100%FS)					±1% FS (0%FS ≤ Q ≤ 80%FS) ±2% FS (80%FS < Q ≤ 100%FS)	
Pressure	Operating differential pressure range	Less than 300 kPa							Less than 400 kPa	
	pressure-resistant	0.5 MPa (gauge)								
Allowable operating temperature range	-10~+60°C									
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)									
Communication method	(1) Dedicated loader communication (2) RS-485 communication (3-wire)									
Rated power supply	DC 24V, current consumption 300mA max.									
Gas facing materials	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					Rc 1/4", 3/8" Swl, 9/16-18 UNF		
Weight	Approx. 1.1kg			Approx. 1.2kg						



Azbil Kimmon Co., Ltd.

Nishi-Shinjuku Mitsui Building, 6-24-1 Nishi-Shinjuku, Shinjuku-ku, Tokyo 160-0023, Japan
URL : <https://ak.azbil.com/>