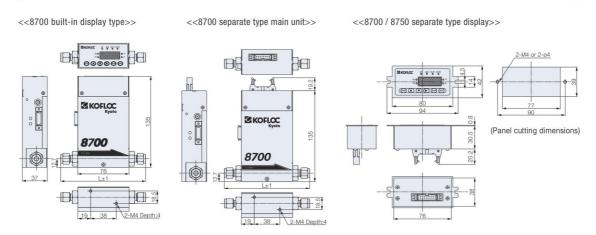
Mass Flow Controller / Mass Flow Meter with Display

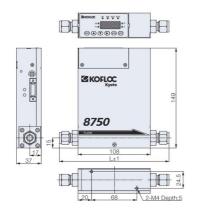


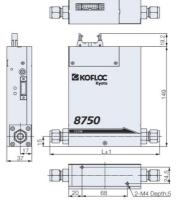
Dimensions





<<8750 separate type main unit>>





Rc1/4	102
1/4SWL	127.4
1/8SWL	122.8
1/4VCR	123.8
750	
	Dimension L (mm)
750 Fittings	Dimension L (mm)
	Dimension L (mm)
Fittings	

Fittings Dimension L (mm)

8700

1/2VCR

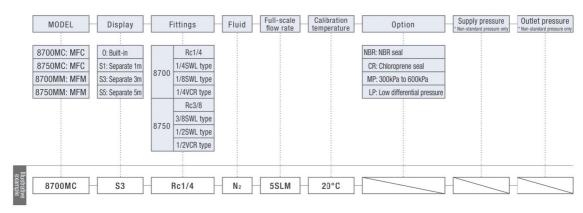
025

Standard Specifications

MODEL	8700MC / MM	8750MC / MM	
Sensor type	Thermal sensor		
Valve type	Proportional solenoid valve (normally closed)		
Applicable gas	N ₂ , Air, H ₂ , He, Ar, O ₂ , CO ₂ , etc.		
Full-scale flow rate (N ₂ equivalent)	10SCCM to 20SLM	30 to 100SLM	
Control range	2 to 100%F.S.	5 to 100%F.S.	
Response	Within 2sec. (within ±2% F.S.)	Within 3sec. (within ±2% F.S.)	
Accuracy	±1%F.S. (25°C)	±1.5%F.S. (25°C)	
Temperature coefficient	±0.1%F.S./°C (15 to 35°C)	±0.2%F.S./°C (15 to 35°C)	
Repeatability	±0.5%F.S.		
Operating differential pressure	F.S. ≤ 5SLM 50 to 300kPa	F.S. ≤ 50SLM 150 to 300kPa	
	F.S. > 5SLM 100 to 300kPa	F.S. > 50SLM 200 to 300kPa	
Max. inlet pressure	500kPa(G)		
Proof pressure	1MPa(G)		
He Leak rate	≤ 1 × 10 ⁻⁸ Pa·m³/s		
Allowable ambient temperature	5 to 45°C		
Allowable storage temperature	−10 to 60°C		
Allowable ambient humidity	10%RH to 90%RH (no dew condensation)		
Materials of parts in contact with gases	SUS316, SUS316L, Magnetic stainless steel (MFC only), FKM (option: NBR or CR)		
Electrical connection	D-sub half pitch 20 pins, Hirose DX10M-20S		
Flow rate setting signal	0 to 5VDC (Input impedance: $100k\Omega$ or more) / 4 to 20mA (Input impedance: Approx. 250Ω)		
Flow rate output signal	0 to 5VDC (Load resistance: $250k\Omega$ or more) / 4 to $20mA$ (Load resistance: 300Ω or less)		
Digital communication	RS485		
Display	4-digit 7-segment LED		
Power supply	24VDC (±10%), 300mA or less		
Fittings	Standard: Rc1/4	Standard: Rc3/8	
	Option: 1/4SWL type, 1/8SWL type, 1/4VCR type	Option: 3/8SWL type, 1/2SWL type, 1/2VCR type	
Weight	Approx. 1,200g	Approx. 1,500g	

 $^{^{\}star}$ Use with a dry and clean gas containing no corrosive components, dust or mist.

Ordering



^{*} For MP option (100SCCM or more in N_2 equivalent) and LP option (20SLM or less in N_2 equivalent), specify specific pressure conditions.

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 $^{^{\}star}$ Accuracy assurance with calibration gas.

^{*} He leak rate does not include permeation.

Leakage (reference value) by long-time permeation is 1 x 10⁻⁶Pa·m³/sec. or less.

^{*} Analog input/output are changeable with the display (0 to 5VDC at factory default).

^{*} The valve type, control range, respone, operating differential pressure and flow rate setting signal are only for the mass flow controller.

^{*} MP option is limited to the use under the specified pressure conditions only.

^{*} See Page 45 for the power adaptor PSK-85CE. See Page 46 for the external cable CP-STD6.

^{* &#}x27;SWL type' and 'VCR type' are shortened to SW and VCR in Ordering code.