

3660 SERISE (KOFLOC)

Flow

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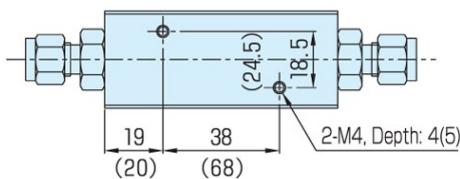
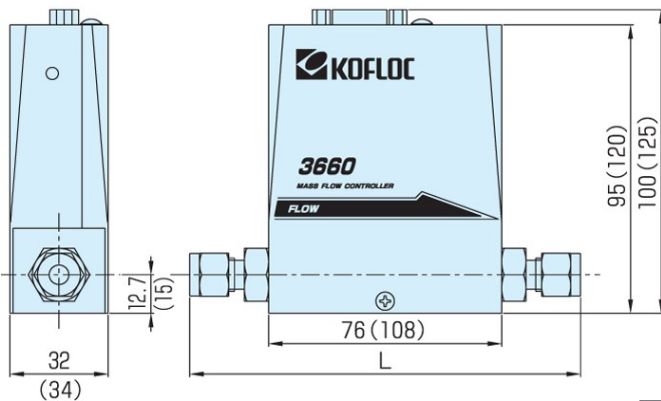
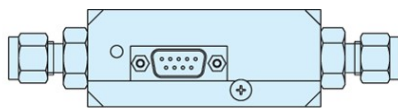
Mass Flow Controller

Gas



SPECIFICATIONS

Model	3660	3665
Flow range (N2 equivalent, 20°C/1 atm)	10 SCCM–20 SLM (freely selectable)	30 SLM–100 SLM (freely selectable)
Sensor	Thermal mass flow sensor	
Valve type	Proportional solenoid valve (closed when not energized)	
Control range	2–100% (F.S.)	5–100% (F.S.)
Response	2 sec. or less (0–100% within ±2% typical)	3 sec. or less (0–100% within ±2% typical)
Accuracy	±1.0% F.S. (25°C)	±1.5% F.S. (25°C)
Temperature coefficient	±0.1 F.S./°C (15–35°C)	±0.2 F.S./°C (15–35°C)
Repeatability	±0.5%F.S.	
Operating differential pressure	F.S. ≤ 5 SLM: 50–300 kPa (G)	F.S. ≤ 50 SLM: 150–300 kPa (G)
	F.S. > 100 SLM: 50–300 kPa (G)	F.S. > 50 SLM: 200–300 kPa (G)
	Option: Medium differential pressure (MP) and low differential pressure (LP) specifications are available.	
Allowable operating pressure	500 kPa (G) or less	
Proof pressure	980 kPa (G)	
Leak rate	1 × 10 ⁻⁸ Pa·m ³ /s or less (excluding permeation of He)	
Allowable ambient temperature	5–45°C	
Allowable ambient humidity	10–90% (No condensation allowed)	
Materials of parts in contact with gases	Body: SUS316	
	Valve seat: FKM (option: CR or NBR)	
	Sealing: FKM (option: CR or NBR)	
Electric connection	Dsub 9-pin connector as per KFC Standard (Compliant with SEMI Standard)	
Flow rate input signals	0–5 VDC (Input impedance: 1 MΩ or more)	
Flow rate output signals	0–5 VDC (External load resistance: 250 kΩ or more)	
Required power supply	+15 VDC (±5%) 100 mA, -15 VDC (±5%) 250 mA	
Joint (Main unit bore)	Standard: 1/4SWL	Standard: 3/8SWL
	Option: 1/8SWL 1/4VCR RC1/4, etc.	Option: 1/2SWL 3/8VCR RC3/8, etc.
Weight	Approx. 1000 g	Approx. 1500 g



Joint	Dimension L (mm)
1/8 Swagelok®	122.8 (-)
1/4 Swagelok®	127.4 (159.4)
1/4 VCR®	123.8 (155.8)
Rc 1/4	102 (134)
3/8 Swagelok®	130.4 (162.4)

* Values indicated in () denote the dimensions for Model 3665.