

METAL TUBE FLOW METER

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MODEL : CMS Series

DESCRIPTION

CMS Series : Metal tube variable area flowmeters
CMS Series consist of tapered metal tube and local indicator. They are designed to measure liquids and gases in high pressures and temperatures. You can choose the alarm and signal output as an option

FEATURES

- Simple construction and Economical price
- High pressure and temperature

OPTION

- Alarm (1 SPDT, 2SPDT)
- Signal output



FLOW CHART

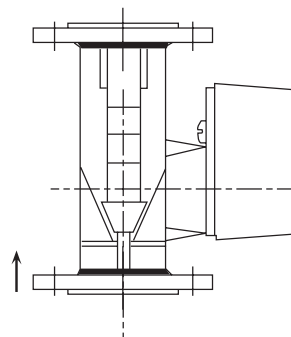
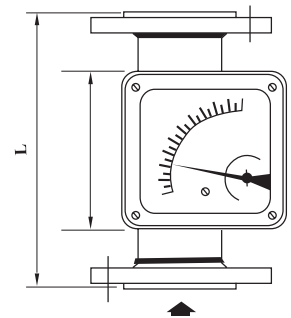
SIZE		FLOW RATE	FLOW RATE		Pressure Loss	Length (mm)
		H ₂ O (m ³ /h)	LIQUID (m ³ /h)	AIR (Nm ³ /h)	mmH ₂ O	L
15A	1/2B	0.1-1	0.03-0.3	0.3-3	500	250
			0.15-1.5	2-20		
20A	3/4B	0.15-1.5	0.03-0.3	0.3-3	500	250
			0.2-2	3-30		
25A	1B	0.35-3.5	0.15-1.5	1.5-15	500	250
			0.5-5	6-60		
32A	1 1/4B	0.6-6	0.3-3	3-30	500	250
			0.7-7	10-100		
40A	1 1/2B	1.0-10	0.4-4	4.5-45	700	250
			1.5-15	15-150		
50A	2B	1.5-15	1-10	5-50	500	250
			2-20	20-200		
65A	2 2/1B	2.5-25	1.5-15	9-90	600	250
			3-30	40-400		
80A	3B	4.0-40	2-20	15-150	700	250
			5-50	70-700		
100A	4B	6.0-60	5-50	20-200	900	375
			7-70	100-1000		

SPECIFICATION

* MEASURING	Liquid, Gas and Steam
* METER SIZE	15A(1/2") ~ 100A(4")
* MATERIAL	SUS 304 / SUS 316 / SUS316L
* PRESSURE RATING	10 kgf/cm ² (Standard) Option : 60 kgf/cm ²
* TEMPERATURE	Operation : -20~ 120 °C Max : 300 °C
* CONNECTION	Flange Connection (JIS / ANSI / DIN / other) Screw Connection Clamp Connection
* ACCURACY	+/- 3.0% of FS
* OUT PUT	Alarm contact : High or Low set point / 4-20mA
* POWER SUPPLY	DC 24V (2wire) - Loop

MATERIAL

PART LIST	MATERIAL	
Body	SUS304	SUS316
Flange	SUS304	SUS316
Float	SUS304	SUS316
Taper Tube	SUS304	SUS316
Magnet Rod	SUS304+ALNICO	SUS316+ALNICO
Lower Stopper	SUS304	SUS316
Guide	SUS304	SUS316
Indicator	AL	



DIMENSION

ORDERING CODE

CMS — 1 — [] — [] — [] — []

TYPE

- 1 LOCAL INDICATOR
- 2 LOCAL INDICATOR with ALARM (1-SPDT/ 2-SPDT)
- 3 LOCAL INDICATOR with SIGNAL (4-20mA)

CONNECTION

- J JIS 10K
- A ANSI 150#
- D DIN PN16
- P SCREW :PT
- N SCREW :NPT
- C CLAMP
- O OTHERS

BODY MATERIAL

- A SUS 304
- B SUS 316
- C SUS 316L
- O OTHERS

METER SIZE

- | | | | |
|----|-------------|-----|-------------|
| 15 | 15A(1/2") | 50 | 50A(2") |
| 20 | 20A(3/4") | 65 | 65A(2-1/2") |
| 25 | 25A(1") | 80 | 80A(3") |
| 32 | 32A(1-1/4") | 100 | 100A(4") |
| 40 | 40A(1-1/2") | O | OTHERS |

FLOW DIRECTION

- 1 Bottom -> Top

METAL TUBE FLOW METR