

GLASS TUBE FLOW METER

MICRO PURGE FLOW METER

METAL TUBE FLOW METER 1

METAL TUBE FLOW METER 2

ORIFICE FLOW METER

FLOW SWITCH & SIGHT FLOW METER

TURBINE FLOW METER

MICRO PURGE FLOW METER

METAL TUBE FLOW METER

METAL TUBE FLOW METER

MODEL : CM Series

DESCRIPTION

CM Series : Metal tube variable area flowmeters
CM 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 / Pulse output



FLOW CHART

SIZE		FLOW RATE H2O (m ³ /h)	FLOW RATE		Pressure Loss mmH2O	Length (mm) L
			LIQUID (m ³ /h)	GAS (Nm ³ /h)		
15A	1/2B	0.1-1	0.02-0.2	0.6-6	600	350
			0.2-2	3-30		
20A	3/4B	0.2-2.0	0.08-0.8	1.6-16	600	350
			0.35-3.5	5-50		
25A	1B	0.4-4.0	0.1-1	2-20	600	350
			0.6-6	9-90		
32A	1 1/4B	0.6-6.0	0.1-1	2-20	600	350
			1-10	15-150		
40A	1 1/2B	0.8-8.0	0.2-2	4-40	800	350
			1.5-15	20-200		
50A	2B	1.5-15	0.5-5	6-60	800	350
			2.5-25	40-400		
65A	2 2/1B	2.5-25	0.8-8	10-100	800	400
			4-40	60-600		
80A	3B	4.0-40	1.2-12	12-120	800	500
			5-50	80-800		
100A	4B	6.0-60	2.5-25	25-250	1000	500
			9-90	120-1200		
125A	5B	10-100	4-40	40-400	1100	600
			15-150	200-2000		
150A	6B	14-140	6-60	60-600	1200	700
			20-200	300-3000		
200A	8B	20-200	10-100	100-1000	1500	800
			28-280	400-4000		

SPECIFICATION

* MEASURING	Liquid, Gas
* METER SIZE	15A(1/2") ~ 200A(8")
* MATERIAL	SUS 304 / SUS 316 / SUS316L Other Materials on Request
* PRESSURE RATING	10 kgf/cm2 (Standard) Option : 60 kgf/cm2
* TEMPERATURE	Operation : 0~ 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		
	SUS304	SUS316	SUS316L
Body	SUS304	SUS316	SUS316L
Flange	SUS304	SUS316	SUS316L
Float	SUS304	SUS316	SUS316L
Stopper	SUS304	SUS316	SUS316L
Magnet Rod	SUS304 + ALNICO	SUS316 + ALNICO	SUS316L + ALNICO
Stopper	SUS304	SUS316	SUS316L
Taper Tube	SUS304	SUS316	SUS316L
Guid	SUS304	SUS316	SUS316L
Cap	SUS304		
Indicator	Aluminium		
Packing	NBR, VITON, TEFLON		

MODEL



CM-1



CM-2

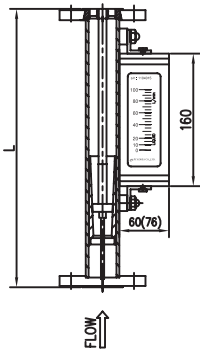


CM-4

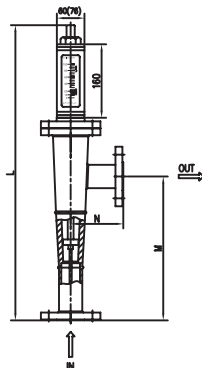


CM-5

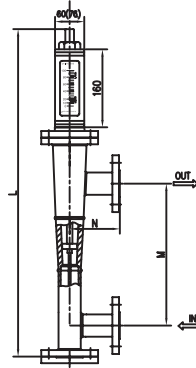
DIMENSION



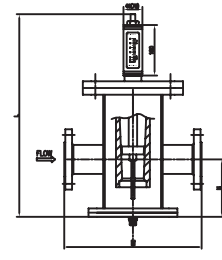
CM-1



CM-2



CM-4



CM-5

DIMENSION

TYPE SIZE	CM-1 (Bottom -> Top)	CM-2 (Bottom -> Top Side)			CM-4 (Bottom Side -> Top side)			CM-5 (Side -> Side)		
	L	M	N	L	M	N	L	M	N	L
15A	350	390	80	735	390	80	735	160	160	440
20A	350	390	80	735	390	80	735	160	160	500
25A	350	390	100	775	390	100	775	180	170	500
32A	350	410	100	775	410	100	775	240	180	520
40A	350	410	100	775	410	100	775	240	180	520
50A	350	470	120	845	470	120	845	260	220	550
65A	400	490	150	865	490	150	865	340	220	580
80A	500	540	150	935	540	150	935	360	240	620
100A	500	590	180	1015	590	180	1015	360	280	660
125A	600	640	220	1065	640	220	1065	440	320	700
150A	700	690	240	1125	690	240	1125	440	320	750
200A	800	750	260	1170	750	260	1170	480	320	800

ORDERING CODE



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")	150	150A(6")
20	20A(3/4")	65	65A(2-1/2")	200	200A(8")
25	25A(1")	80	80A(3")	O	OTHERS
32	32A(1-1/4")	100	100A(4")		
40	40A(1-1/2")	125	125A(5")		

FLOW DIRECTION

- 1 Bottom -> Top
- 2 Bottom -> Top Side
- 4 Bottom Side -> Top Side
- 5 Side -> Side

METAL TUBE FLOW METR