

Metal Tube flowmeter - Analog & Digital Display

MGE-SH-Ex Series

SUMMARY

MGE-SH-Ex는 본체부분이 금속으로 제작되어 고온, 고압, 스팀, 화학약품 등에 널리 쓰이며 불투명한 유체의 측정에도 적합하다.

FEATURE

배관을 통과하는 유체의 양을 계기부의 지침을 통해 직관적으로 확인이 가능하고 기계적인 장치와 전자 부분이 조합되어 순간유량 및 적산량을 현장에서 확인할 수 있으며 아날로그 출력 및 디지털 HART 통신을 통해 전달된 신호로 주변기기를 연동시켜 밸브 등 기타 장비를 제어 가능하도록 제작된 유량계이다.



MODEL CODE

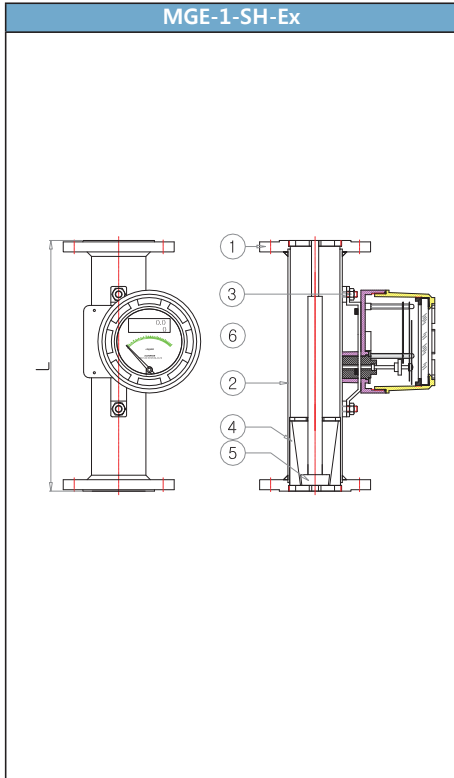
MGE-	□	-	□	-	□	Specification
	1					Bottom to Top
	2					Bottom to Top side
	4					Bottom side to Top
	5					Bottom side to Top side
			SH			LC Display, 4-20 mADC (2-wire), Hart Communication
					Ex	Ex-proof (Ex d IIB T4 / IP66)

STANDARD SPECIFICATION

Connection	KS/JIS/ASME/DIN Std. Flange
Size	10A(3/8") ~ 200A(8")
Measured fluid	Gas, Steam, Liquid
Flow Range	Water : (0.02 ~ 200) m ³ /h Air : (0.06 ~ 3,000) Nm ³ /h
Range ability	10 : 1
Press. range	Max. 10 kgf/cm ² .G (Option. 150 kgf/cm ² .G)
Temp. range	Max. 150 °C (Option 250°C)
Ambient temp.	-20 °C ~ 60 °C
Power	DC 24 V (2-Wire)
Output	DC 4-20 mA, Hart
Display	Flow rate, Totalizer
Accuracy	±2 % F.S (Option. ±1 % F.S)

KM-1401MTF-KR

STRUCTURAL DRAWING



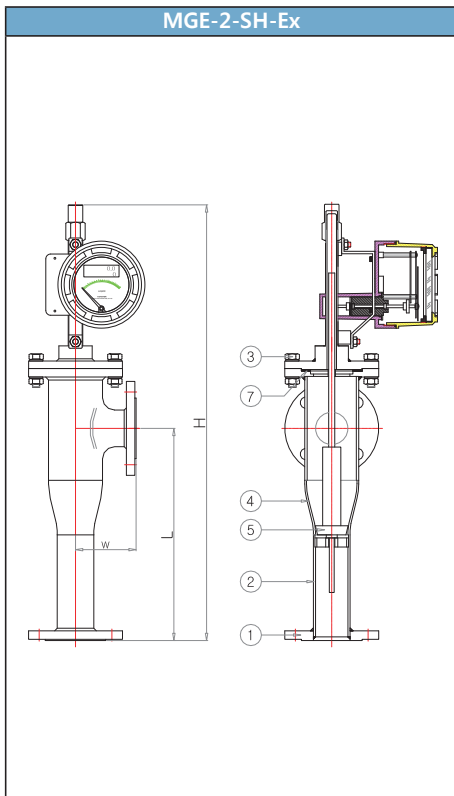
FLOW RANGES & DIMENSIONS

Connector size	길이 (mm) L	선택유량범위		압력손실 (mmAq)		중량 (kg) 금속	
		Water (m ³ /h)	Air (Nm ³ /h)	Water	Air		
15A	1/2 B	250	0.02-0.2 0.2-2	0.6-6 3-30	650	1000	5
20A	3/4 B	250	0.08-0.8 0.35-3.5	1.5-15 5-50	600	1000	5
25A	1 B	250	0.1-1 0.6-6	2-20 9-90	730	1100	6
32A	1-1/4 B	250	0.1-1 1-10	2-20 15-150	800	1000	7
40A	1-1/2 B	250	0.2-2 1.5-15	4-40 20-200	900	1200	8
50A	2 B	250	0.5-5 2.5-25	6-60 40-400	630	1000	10
65A	2-1/2 B	350	0.8-8 4-40	10-100 60-600	780	1650	13
80A	3 B	350	1.2-12 5-50	12-120 80-800	910	2300	15
100A	4 B	350	2.5-25 9-90	25-250 120-1200	1200	2400	20
125A	5 B	400	4-40 15-150	40-400 200-2000	1400	2000	32
150A	6 B	400	6-60 20-200	60-600 300-3000	1800	2200	50

STANDARD MATERIAL

No.	Description	Material		
		A	B	C
1	Flange	304SS	316SS	316LSS
2	Body	304SS	316SS	316LSS
3	Bolt, Nut	304SS		
4	Taper tube	304SS	316SS	316LSS
5	Float	304SS	316SS	316LSS
6	Indicator	ALUMINUM		

STRUCTURAL DRAWING



FLOW RANGES & DIMENSIONS

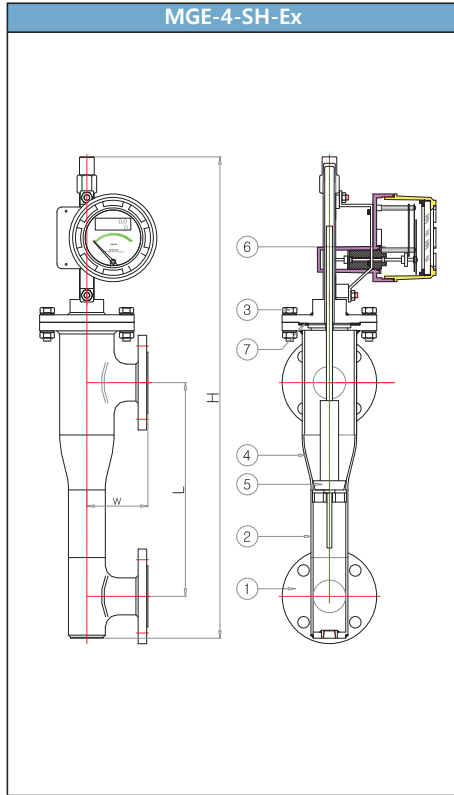
Connector size	길이 (mm)			선택유량범위		압력손실 (mmAq)		중량 (kg) 금속	
	L	W	H	Water (m ³ /h)	Air (Nm ³ /h)	Water	Air		
15A	1/2 B	250	80	518	0.02-0.2 0.2-2	0.6-6 3-30	850	280	8
20A	3/4 B	250	80	540	0.08-0.8 0.35-3.5	1.5-15 5-50	910	400	8
25A	1 B	300	100	610	0.1-1 0.6-6	2-20 9-90	600	270	10
32A	1-1/4 B	300	100	625	0.1-1 1-10	2-20 15-150	600	270	11
40A	1-1/2 B	350	100	700	0.2-2 1.5-15	4-40 20-200	500	290	12
50A	2 B	350	120	720	0.5-5 2.5-25	6-60 40-400	800	340	15
65A	2-1/2 B	400	150	810	0.8-8 4-40	10-100 60-600	650	260	22
80A	3 B	400	150	850	1.2-12 5-50	12-120 80-800	1270	400	25
100A	4 B	450	180	955	2.5-25 9-90	25-250 120-1200	1360	550	43
125A	5 B	450	220	1025	4-40 15-150	40-400 200-2000	1600	580	55
150A	6 B	500	240	1150	6-60 20-200	60-600 300-3000	2100	560	75

STANDARD MATERIAL

No.	Description	Material		
		A	B	C
1	Flange	304SS	316SS	316LSS
2	Body	304SS	316SS	316LSS
3	Bolt, Nut	304SS		
4	Taper tube	304SS	316SS	316LSS
5	Float	304SS	316SS	316LSS
6	Indicator	ALUMINUM		
7	Gasket	EPDM, NON-ASBESTOS, PTFE		

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■ STRUCTURAL DRAWING



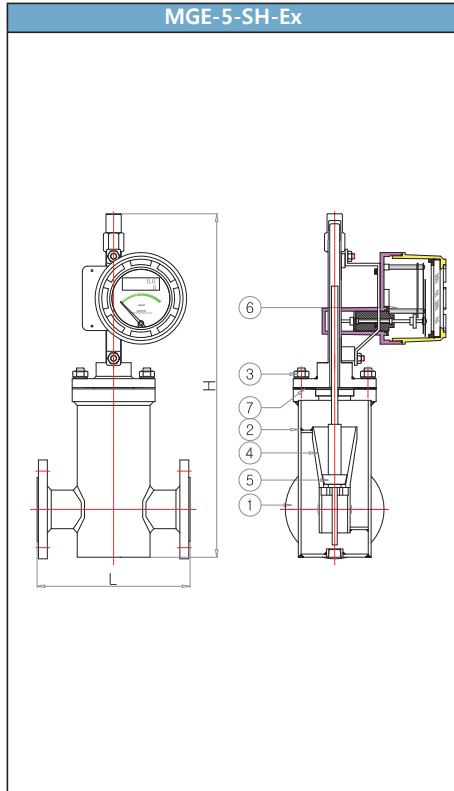
■ FLOW RANGES & DIMENSIONS

Connector size	길이 (mm)			선택유량범위		압력손실 (mmAq)		중량 (kg)	
	L	W	H	Water (m ³ /h)	Air (Nm ³ /h)	Water	Air		
15A	1/2 B	250	80	515	0.02-0.2 0.2-2	0.6-6 3-30	850	280	8
20A	3/4 B	250	80	540	0.08-0.8 0.35-3.5	1.5-15 5-50	910	400	8
25A	1 B	300	100	630	0.1-1 0.6-6	2-20 9-90	600	270	10
32A	1-1/4 B	300	100	660	0.1-1 1-10	2-20 15-150	550	300	11
40A	1-1/2 B	350	100	755	0.2-2 1.5-15	4-40 20-200	500	290	12
50A	2 B	350	120	790	0.5-5 2.5-25	6-60 40-400	800	340	16
65A	2-1/2 B	400	150	905	0.8-8 4-40	10-100 60-600	650	260	23
80A	3 B	400	150	962	1.2-12 5-50	12-120 80-800	1270	400	26
100A	4 B	450	180	1095	2.5-25 9-90	25-250 120-1200	1360	550	44
125A	5 B	450	220	1205	4-40 15-150	40-400 200-2000	1600	710	57
150A	6 B	500	240	1370	6-60 20-200	60-600 300-3000	2100	680	77

■ STANDARD MATERIAL

No.	Description	Material		
		A	B	C
1	Flange	304SS	316SS	316LSS
2	Body	304SS	316SS	316LSS
3	Bolt, Nut	304SS		
4	Taper tube	304SS	316SS	316LSS
5	Float	304SS	316SS	316LSS
6	Indicator	ALUMINIUM		
7	Gasket	EPDM, NON-ASBESTOS, PTFE		

■ STRUCTURAL DRAWING



■ FLOW RANGES & DIMENSIONS

Connector size	길이 (mm)		선택유량범위		압력손실 (mmAq)		중량 (kg)	
	L	H	Water (m ³ /h)	Air (Nm ³ /h)	Water	Air		
15A	1/2 B	150	450	0.02-0.2 0.2-2	0.6-6 3-30	1100	1200	12
20A	3/4 B	180	450	0.08-0.8 0.35-3.5	1.5-15 5-50	1200	1480	12
25A	1 B	200	460	0.1-1 0.6-6	2-20 9-90	1000	2100	15
32A	1-1/4 B	250	490	0.1-1 1-10	2-20 15-150	1300	1860	17
40A	1-1/2 B	250	510	0.2-2 1.5-15	4-40 20-200	1500	1550	18
50A	2 B	280	540	0.5-5 2.5-25	6-60 40-400	1150	1900	24
65A	2-1/2 B	350	572	0.8-8 4-40	10-100 60-600	1000	2210	35
80A	3 B	400	650	1.2-12 5-50	12-120 80-800	1600	2100	40
100A	4 B	500	650	2.5-25 9-90	25-250 120-1200	1800	2400	60
125A	5 B	550	692	4-40 15-150	40-400 200-2000	2000	2600	90
150A	6 B	600	720	6-60 20-200	60-600 300-3000	2450	3150	110

■ STANDARD MATERIAL

No.	Description	Material		
		A	B	C
1	Flange	304SS	316SS	316LSS
2	Body	304SS	316SS	316LSS
3	Bolt, Nut	304SS		
4	Taper tube	304SS	316SS	316LSS
5	Float	304SS	316SS	316LSS
6	Indicator	ALUMINIUM		
7	Gasket	EPDM, NON-ASBESTOS, PTFE		

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