KOMETER



MGE Series

Metal Tube Flow meter for High-Pressure and Extreme Temperature

FEATURE

- KC - EMC (KN 61000-6-4) Certificate
- Applicable to varied fluids such as liquids, gases, steam, etc.
- Can be used for high temperature and pressure fluids and their piping conditions
- Can be easily check Instantaneous flow rate and Accumulated flow rate on the monitor
- Explosion Proof : Ex d IIC T5
- Protection : IP67
- Combined with various equipment for external output signal
- Can be freely designed as front end/rear end depending on piping condition
- Manufactured from small to large diameter

APPLICATIONS

▶ Chemical and Other Process Industries
- Additives (e.g. Catalysts, Surfactants, Foam-inhibitors, Emulsifiers)
- Acids, Bases, Phosphates and Other Chlorides, Sulfuric Acid Substances
- Condensate and Cooling Water

▶ Refinery & Gas Industry
- Nitrogen, Flue Gas, etc.

▶ Machinery and Equipment (OEM Industry)
- Coolant, lubricant, Air Supply

▶ Water Industry
- Spray Oxygen on the Aeration Basin

▶ Power Plants and Nuclear Power Industry

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MGE Series General Specifications

Size	10A (3/8") - 200A (8")
Process Connection	Flange type - KS / JIS / ANSI / ASME / DIN Std.
Flow Ranges	Water - 0.02 ㎥/h ~ 200 ㎥/h Air - 0.06 N㎥/h ~ 3000 N㎥/h
Range Ability	10 : 1
Accuracy	±2.0 % F.S (Option ±1.5 % M.V)
Fluid Temperature	Max 150 ℃ (Option 250 ℃)
Max. Pressure	Max. 10 kgf/㎠.G (Option 150 kgf/㎠.G)
Power Supply	DC 24V (2-Wire)
Display	Flow rate, Totalizer
Output	DC 4-20 mA, Hart
Protection Class	Ex d IIC T5 / IP67

MODEL CODE

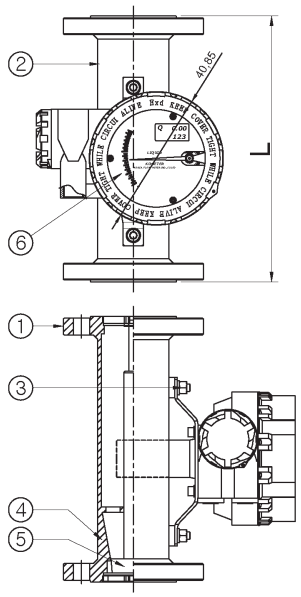
M G E	-	□	-	□	Specification
		1			Bottom to Top
		2			Bottom to Top side
		4			Bottom side to Top side
		5			Side to Side
				SH	LC Display, DC 4-20 mA (2-Wire), Hart Communication
				S	DC 4-20 mA

STANDARD MATERIAL

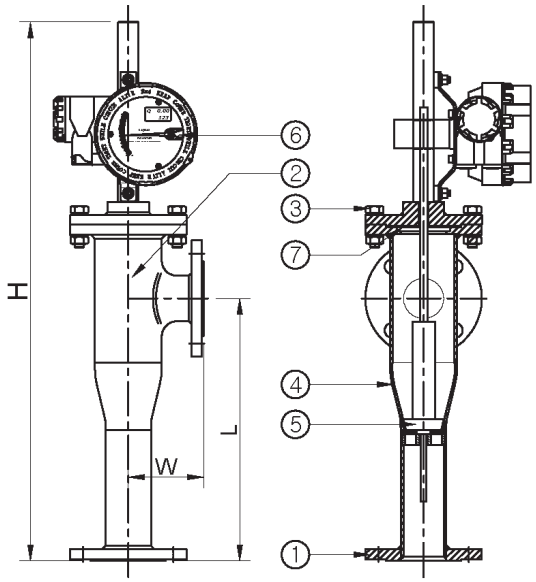
No.	Description	Material		
		A	B	C
1	Flange	304SS	316SS	316LSS
2	Body	304SS	316SS	316LSS
3	Bolt, Nut	304SS		
4	Taper tube	304SS	316SS	316LSS
5	Float	304SS	316SS	316LSS
6	Indicator	ALUMINUM		
7	Gasket	EPDM, NON-ASBESTOS, PTFE		

STRUCTURAL DRAWING

MGE-1



MGE-2



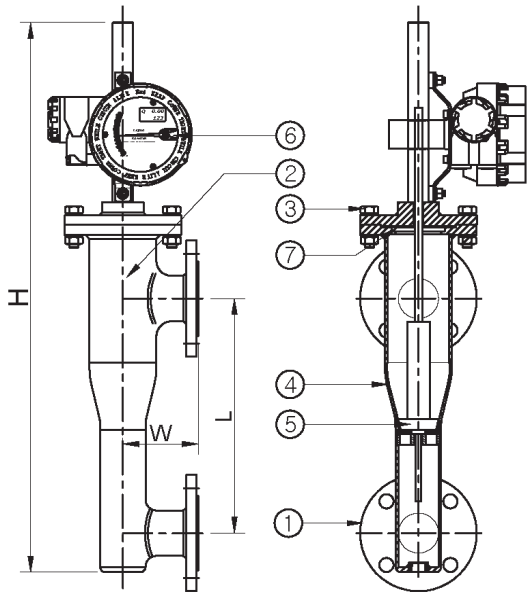
FLOW RANGE & DIMENSIONS

Connector size		MGE-1				MGE-2						Flow Range	
		L (mm)	Pressure Loss (mmAq)		W (kg)	L (mm)	W (mm)	H (mm)	Pressure Loss (mmAq)		W (kg)	Water (m^3/h)	Air (Nm^3/h)
			Water	Air	Metal				Water	Air	Metal		
15A	1/2 B	250	650	1000	5	250	80	518	850	280	8	0.02-0.2 0.2-2	0.6-6 3-30
20A	3/4 B	250	600	1000	5	250	80	540	910	400	8	0.08-0.8 0.35-3.5	1.5-15 5-50
25A	1 B	250	730	1100	6	300	100	610	600	270	10	0.1-1 0.6-6	2-20 9-90
32A	1-1/4 B	250	800	1000	7	300	100	625	600	270	11	0.1-1 1-10	2-20 15-150
40A	1-1/2 B	250	900	1200	8	350	100	700	500	290	12	0.2-2 1.5-15	4-40 20-200
50A	2 B	250	630	1000	10	350	120	720	800	340	15	0.5-5 2.5-25	6-60 40-400
65A	2-1/2 B	350	780	1650	13	400	150	810	650	260	22	0.8-8 4-40	10-100 60-600
80A	3 B	350	910	2300	15	400	150	850	1270	400	25	1.2-12 5-50	12-120 80-800
100A	4 B	350	1200	2400	20	450	180	955	1360	550	43	2.5-25 9-90	25-250 120-1200
125A	5 B	400	1400	2000	32	450	220	1025	1600	580	55	4-40 15-150	40-400 200-2000
150A	6 B	400	1800	2200	50	500	240	1150	2100	560	75	6-60 20-200	60-600 300-3000

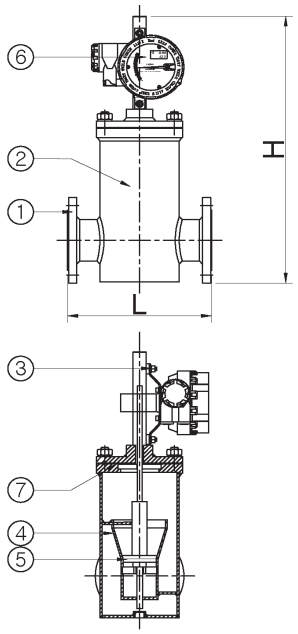
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STRUCTURAL DRAWING

MGE-4



MGE-5



FLOW RANGE & DIMENSIONS

Connector size		MGE-4						MGE-5					Flow Range	
		L (mm)	W (mm)	H (mm)	Pressure Loss (mmAq)		W (kg)	L (mm)	H (mm)	Pressure Loss (mmAq)		W (kg)	Water (m^3/h)	Air (Nm^3/h)
					Water	Air	Metal			Water	Air	Metal		
15A	1/2 B	250	80	515	850	280	8	150	450	1100	1200	12	0.02-0.2 0.2-2	0.6-6 3-30
20A	3/4 B	250	80	540	910	400	8	180	450	1200	1480	12	0.08-0.8 0.35-3.5	1.5-15 5-50
25A	1 B	300	100	630	600	270	10	200	460	1000	2100	15	0.1-1 0.6-6	2-20 9-90
32A	1-1/4 B	300	100	660	550	300	11	250	490	1300	1860	17	0.1-1 1-10	2-20 15-150
40A	1-1/2 B	350	100	755	500	290	12	250	510	1500	1550	18	0.2-2 1.5-15	4-40 20-200
50A	2 B	350	120	790	800	340	16	280	540	1150	1900	24	0.5-5 2.5-25	6-60 40-400
65A	2-1/2 B	400	150	905	650	260	23	350	572	1000	2210	35	0.8-8 4-40	10-100 60-600
80A	3 B	400	150	962	1270	400	26	400	650	1600	2100	40	1.2-12 5-50	12-120 80-800
100A	4 B	450	180	1095	1360	550	44	500	650	1800	2400	60	2.5-25 9-90	25-250 120-1200
125A	5 B	450	220	1205	1600	710	57	550	692	2000	2600	90	4-40 15-150	40-400 200-2000
150A	6 B	500	240	1370	2100	680	77	600	720	2450	3150	110	6-60 20-200	60-600 300-3000

KOMETER



NMGI Series

Metal Tube Flow meter for High-Pressure and Extreme Temperature

FEATURE

- Applicable to varied fluids such as liquids, gases, steam, etc.
- Can be used for high temperature and pressure fluids and their piping conditions
- Can be freely designed as front end/rear end depending on piping condition
- The body can be made of various materials.

APPLICATIONS

▶ Chemical and Other Process Industries
- Additives (e.g. Catalysts, Surfactants, Foam-inhibitors, Emulsifiers)
- Acids, Bases, Phosphates and Other Chlorides, Sulfuric Acid Substances
- Condensate and Cooling Water

▶ Refinery & Gas Industry
- Nitrogen, Flue Gas, etc.

▶ Machinery and Equipment (OEM Industry)
- Coolant, lubricant, Air Supply

▶ Water Industry
- Spray Oxygen on the Aeration Basin

▶ Power Plants and Nuclear Power Industry

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NMGI Series General Specifications

Size	10A (3/8") - 200A (8")
Process Connection	Flange type - KS / JIS / ANSI / ASME / DIN Std.
Flow Ranges	Water - 0.02 ㎥/h ~ 200 ㎥/h Air - 0.06 N㎥/h ~ 3000 N㎥/h
Range Ability	10 : 1
Accuracy	±2.0 % F.S (Option ±1.5 % M.V)
Fluid Temperature	Max 150 ℃ (Option 350 ℃)
Max. Pressure	Max. 10 kgf/㎠.G (Option 150 kgf/㎠.G)
Display	Needle Type Gradation

MODEL CODE

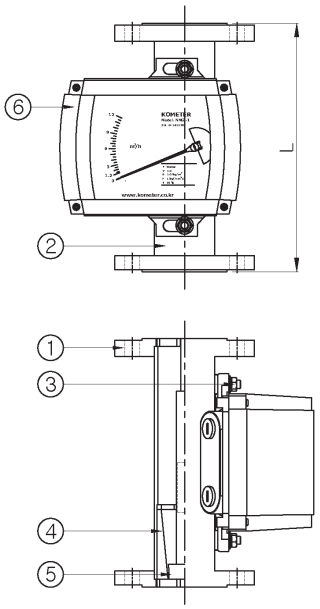
N M G I	-	□	Specification
		1	Bottom to Top
		2	Bottom to Top side
		4	Bottom side to Top side
		5	Side to Side

STANDARD MATERIAL

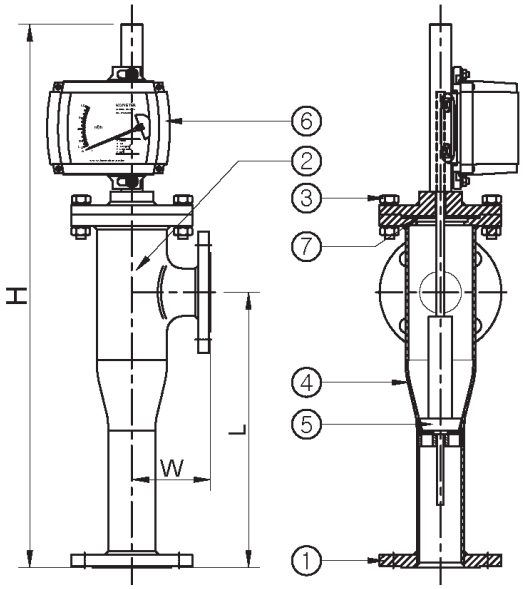
No.	Description	Material		
		A	B	C
1	Flange	304SS	316SS	316LSS
2	Body	304SS		316LSS
3	Bolt, Nut	304SS		
4	Taper tube	304SS		316LSS
5	Float	304SS		316LSS
6	Indicator	ALUMINUM		
7	Gasket	EPDM, NON-ASBESTOS, PTFE		

STRUCTURAL DRAWING

NMGI-1



NMGI-2



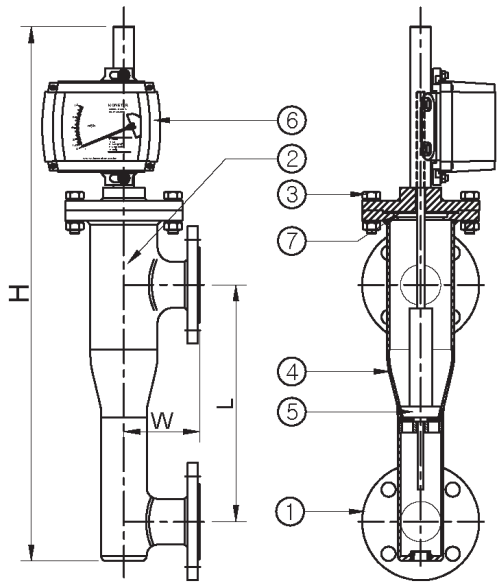
FLOW RANGE & DIMENSIONS

Connector size		NMGI-1				NMGI-2						Flow Range	
		L (mm)	Pressure Loss (mmAq)		W (kg)	L (mm)	W (mm)	H (mm)	Pressure Loss (mmAq)		W (kg)	Water (m^3/h)	Air (Nm^3/h)
			Water	Air	Metal				Water	Air	Metal		
15A	1/2 B	250	650	1000	5	250	80	518	850	280	8	0.02-0.2 0.2-2	0.6-6 3-30
20A	3/4 B	250	600	1000	5	250	80	540	910	400	8	0.08-0.8 0.35-3.5	1.5-15 5-50
25A	1 B	250	730	1100	6	300	100	610	600	270	10	0.1-1 0.6-6	2-20 9-90
32A	1-1/4 B	250	800	1000	7	300	100	625	600	270	11	0.1-1 1-10	2-20 15-150
40A	1-1/2 B	250	900	1200	8	350	100	700	500	290	12	0.2-2 1.5-15	4-40 20-200
50A	2 B	250	630	1000	10	350	120	720	800	340	15	0.5-5 2.5-25	6-60 40-400
65A	2-1/2 B	350	780	1650	13	400	150	810	650	260	22	0.8-8 4-40	10-100 60-600
80A	3 B	350	910	2300	15	400	150	850	1270	400	25	1.2-12 5-50	12-120 80-800
100A	4 B	350	1200	2400	20	450	180	955	1360	550	43	2.5-25 9-90	25-250 120-1200
125A	5 B	400	1400	2000	32	450	220	1025	1600	580	55	4-40 15-150	40-400 200-2000
150A	6 B	400	1800	2200	50	500	240	1150	2100	560	75	6-60 20-200	60-600 300-3000

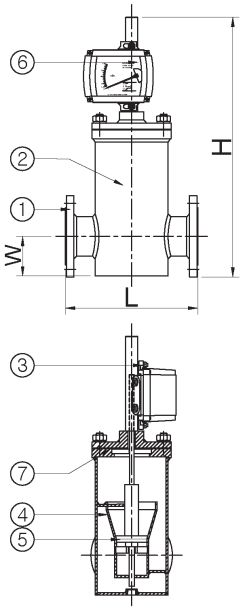
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STRUCTURAL DRAWING

NMGI-4



NMGI-5



FLOW RANGE & DIMENSIONS

Connector size		NMGI-4						NMGI-5						Flow Range	
		L (mm)	W (mm)	H (mm)	Pressure Loss (mmAq)		W (kg)	L (mm)	W (mm)	H (mm)	Pressure Loss (mmAq)		W (kg)	Water (m^3/h)	Air (Nm^3/h)
					Water	Air	Metal				Water	Air	Metal		
15A	1/2 B	250	80	515	850	280	8	150	48	525	1100	1200	12	0.02-0.2 0.2-2	0.6-6 3-30
20A	3/4 B	250	80	540	910	400	8	180	50	525	1200	1480	12	0.08-0.8 0.35-3.5	1.5-15 5-50
25A	1 B	300	100	630	600	270	10	200	62	535	1000	2100	15	0.1-1 0.6-6	2-20 9-90
32A	1-1/4 B	300	100	660	550	300	11	250	67	565	1300	1860	17	0.1-1 1-10	2-20 15-150
40A	1-1/2 B	350	100	755	500	290	12	250	70	565	1500	1550	18	0.2-2 1.5-15	4-40 20-200
50A	2 B	350	120	790	800	340	16	280	77	615	1150	1900	24	0.5-5 2.5-25	6-60 40-400
65A	2-1/2 B	400	150	905	650	260	23	350	87	615	1000	2210	35	0.8-8 4-40	10-100 60-600
80A	3 B	400	150	962	1270	400	26	400	92	655	1600	2100	40	1.2-12 5-50	12-120 80-800
100A	4 B	450	180	1095	1360	550	44	500	105	725	1800	2400	60	2.5-25 9-90	25-250 120-1200
125A	5 B	450	220	1205	1600	710	57	550	125	745	2000	2600	90	4-40 15-150	40-400 200-2000
150A	6 B	500	240	1370	2100	680	77	600	140	775	2450	3150	110	6-60 20-200	60-600 300-3000

KOMETER



NMGI-A Series

Metal Tube Flow meter for High-Pressure and Extreme Temperature

FEATURE

- Applicable to varied fluids such as liquids, gases, steam, etc.
- Can be used for high temperature and pressure fluids and their piping conditions
- The body can be made of various materials.
- Can be freely designed as front end/rear end depending on piping condition
- Manufactured from small to large diameter
- With alarm function

APPLICATIONS

▶ Chemical and Other Process Industries
- Additives (e.g. Catalysts, Surfactants, Foam-inhibitors, Emulsifiers)
- Acids, Bases, Phosphates and Other Chlorides, Sulfuric Acid Substances
- Condensate and Cooling Water

▶ Refinery & Gas Industry
- Nitrogen, Flue Gas, etc.

▶ Machinery and Equipment (OEM Industry)
- Coolant, lubricant, Air Supply

▶ Water Industry
- Spray Oxygen on the Aeration Basin
- Air injection to reduce iron content

▶ Power Plants and Nuclear Power Industry

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NMGI-A Series General Specifications

Size	10A (3/8") - 200A (8")
Process Connection	Flange type - KS / JIS / ANSI / ASME / DIN Std.
Measured Fluid	Gas and Liquid
Flow Ranges	Water - 0.02 ㎥/h ~ 200 ㎥/h Air - 0.06 N㎥/h ~ 3000 N㎥/h
Range Ability	10 : 1
Accuracy	±2.0 % F.S (Option ±1.5 % M.V)
Fluid Temperature	Max 150 ℃ (Option 350 ℃)
Max. Pressure	Max. 10 kgf/㎠.G (Option 150 kgf/㎠.G)
Display	Needle Type Gradation

MODEL CODE

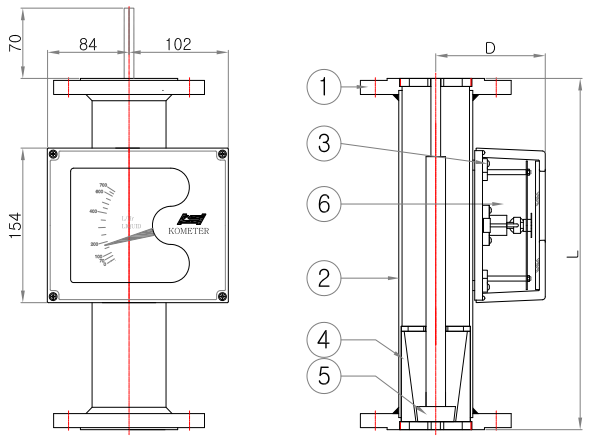
N M G I - A	-	□	Specification
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		2	Bottom to Top side
		4	Bottom side to Top side
		5	Side to Side

STANDARD MATERIAL

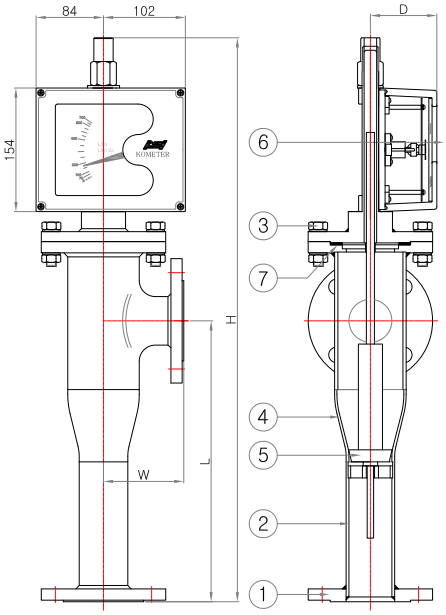
No.	Description	Material		
		A	B	C
1	Flange	304SS	316SS	316LSS
2	Body	304SS		316LSS
3	Bolt, Nut	304SS		
4	Taper tube	304SS		316LSS
5	Float	304SS		316LSS
6	Indicator	ALUMINUM		
7	Gasket	EPDM, NON-ASBESTOS, PTFE		

STRUCTURAL DRAWING

NMGI-A-1



NMGI-A-2



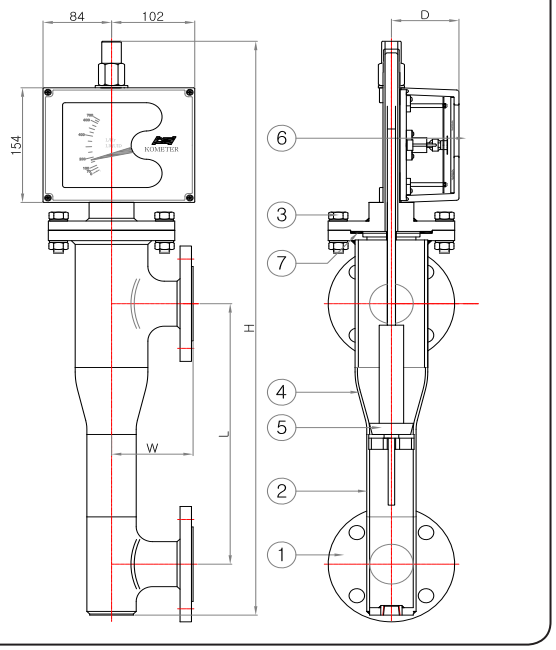
FLOW RANGE & DIMENSIONS

Connector size		NMGI-A-1				NMGI-A-2						Flow range	
		L (mm)	Pressure Loss (mmAq)		Weight (kg)	L (mm)	W (mm)	H (mm)	Pressure Loss (mmAq)		Weight (kg)	Water (m^3/h)	Air (Nm^3/h)
			Water	Air	Metal				Water	Air	Metal		
15A	1/2 B	250	650	1000	5	250	80	518	850	280	8	0.02-0.2 0.2-2	0.6-6 3-30
20A	3/4 B	250	600	1000	5	250	80	540	910	400	8	0.08-0.8 0.35-3.5	1.5-15 5-50
25A	1 B	250	730	1100	6	300	100	610	600	270	10	0.1-1 0.6-6	2-20 9-90
32A	1-1/4 B	250	800	1000	7	300	100	625	600	270	11	0.1-1 1-10	2-20 15-150
40A	1-1/2 B	250	900	1200	8	350	100	700	500	290	12	0.2-2 1.5-15	4-40 20-200
50A	2 B	250	630	1000	10	350	120	720	800	340	15	0.5-5 2.5-25	6-60 40-400
65A	2-1/2 B	350	780	1650	13	400	150	810	650	260	22	0.8-8 4-40	10-100 60-600
80A	3 B	350	910	2300	15	400	150	850	1270	400	25	1.2-12 5-50	12-120 80-800
100A	4 B	350	1200	2400	20	450	180	955	1360	550	43	2.5-25 9-90	25-250 120-1200
125A	5 B	400	1400	2000	32	450	220	1025	1600	580	55	4-40 15-150	40-400 200-2000
150A	6 B	400	1800	2200	50	500	240	1150	2100	560	75	6-60 20-200	60-600 300-3000

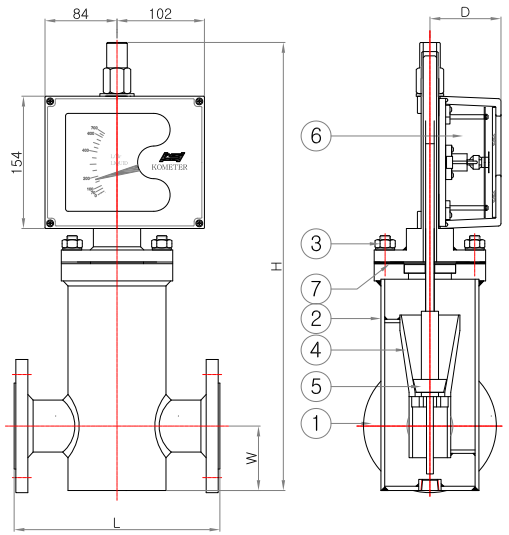
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STRUCTURAL DRAWING

NMGI-A-4



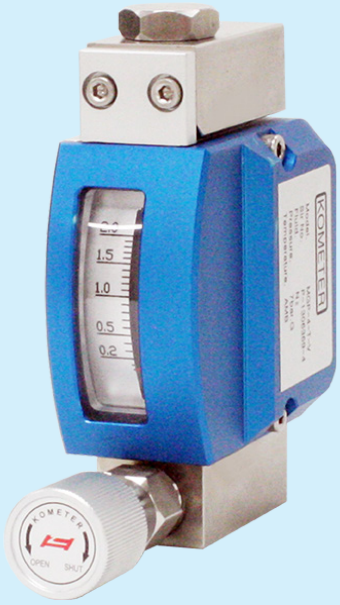
NMGI-A-5



FLOW RANGE & DIMENSIONS

Connector size		NMGI-A-4						NMGI-A-5						Flow range	
		L (mm)	W (mm)	H (mm)	Pressure Loss (mmAq)		Weight (kg)	L (mm)	W (mm)	H (mm)	Pressure Loss (mmAq)		Weight (kg)	Water (m^3/h)	Air (Nm^3/h)
					Water	Air	Metal				Water	Air	Metal		
15A	1/2 B	250	80	515	850	280	8	150	48	525	1100	1200	12	0.02-0.2 0.2-2	0.6-6 3-30
20A	3/4 B	250	80	540	910	400	8	180	50	525	1200	1480	12	0.08-0.8 0.35-3.5	1.5-15 5-50
25A	1 B	300	100	630	600	270	10	200	62	535	1000	2100	15	0.1-1 0.6-6	2-20 9-90
32A	1-1/4 B	300	100	660	550	300	11	250	67	565	1300	1860	17	0.1-1 1-10	2-20 15-150
40A	1-1/2 B	350	100	755	500	290	12	250	70	565	1500	1550	18	0.2-2 1.5-15	4-40 20-200
50A	2 B	350	120	790	800	340	16	280	77	615	1150	1900	24	0.5-5 2.5-25	6-60 40-400
65A	2-1/2 B	400	150	905	650	260	23	350	87	615	1000	2210	35	0.8-8 4-40	10-100 60-600
80A	3 B	400	150	962	1270	400	26	400	92	655	1600	2100	40	1.2-12 5-50	12-120 80-800
100A	4 B	450	180	1095	1360	550	44	500	105	725	1800	2400	60	2.5-25 9-90	25-250 120-1200
125A	5 B	450	220	1205	1600	710	57	550	125	745	2000	2600	90	4-40 15-150	40-400 200-2000
150A	6 B	500	240	1370	2100	680	77	600	140	775	2450	3150	110	6-60 20-200	60-600 300-3000

KOMETER



SMGP Series

Metal Tube Flow meter for High-Pressure and Extreme Temperature

FEATURE

- Applicable to varied fluids such as liquids, gases, steam, etc.
- Can be used for high temperature and pressure fluids and their piping conditions
- Can be freely designed as front end/rear end depending on piping condition
- Easy to measure flow rates at low flow rates.
- Alarm and valve function (option)

APPLICATIONS

▶ Chemical and Other Process Industries
- Additives (e.g. Catalysts, Surfactants, Foam-inhibitors, Emulsifiers)
- Acids, Bases, Phosphates and Other Chlorides, Sulfuric Acid Substances
- Condensate and Cooling Water

▶ Refinery & Gas Industry
- Nitrogen, Flue Gas, etc.

▶ Machinery and Equipment (OEM Industry)
- Coolant, lubricant, Air Supply

▶ Water Industry
- Spray Oxygen on the Aeration Basin
- Air injection to reduce iron content

▶ Power Plants and Nuclear Power Industry

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SMGP Series General Specifications

Size	6A (1/4") - 10A (3/8")
Process Connection	Screw (PT, NPT, PF)
Flow Ranges	Water - Over 0.15 L/h Air - Over 1.6 NL/h
Range Ability	10 : 1
Accuracy	±3.0 % F.S (Option ±1.5 % M.V)
Fluid Temperature	-80 ℃ ~ 200 ℃
Max. Pressure	Max. 130 kgf/㎠.G
Display	Needle Type Gradation

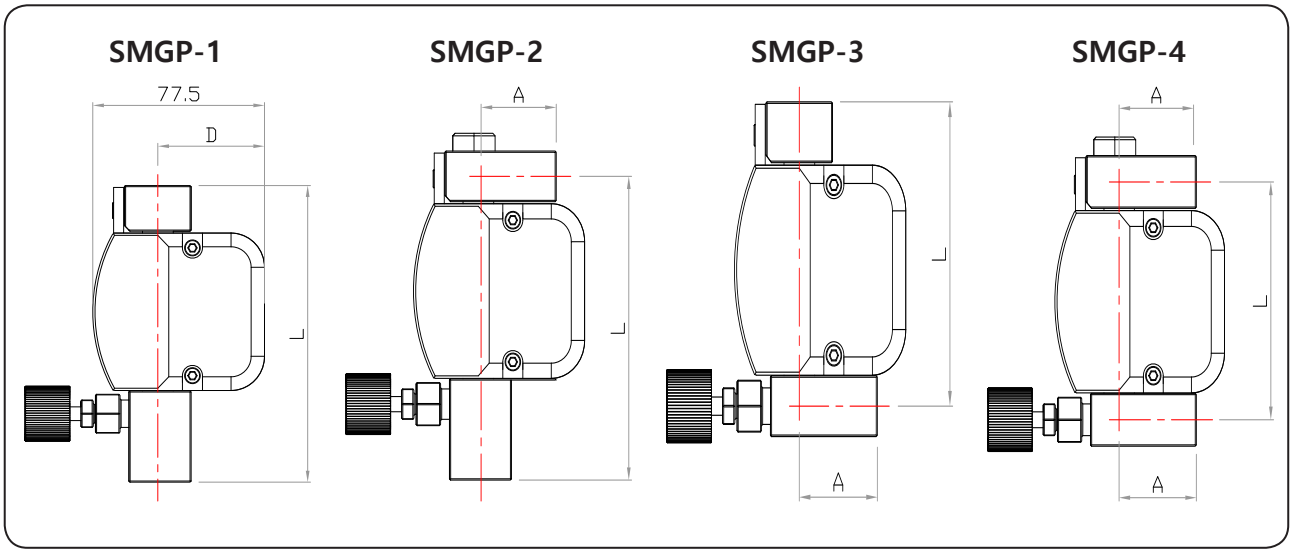
MODEL CODE

S M G P	-	□	-	□	-	□	Specification
		1					Bottom to Top
		2					Bottom to Top side
		3					Bottom side to Top
		4					Bottom side to Top side
				A			Alarm Switch
				V			Valve
						F	Flange
						T	Screw

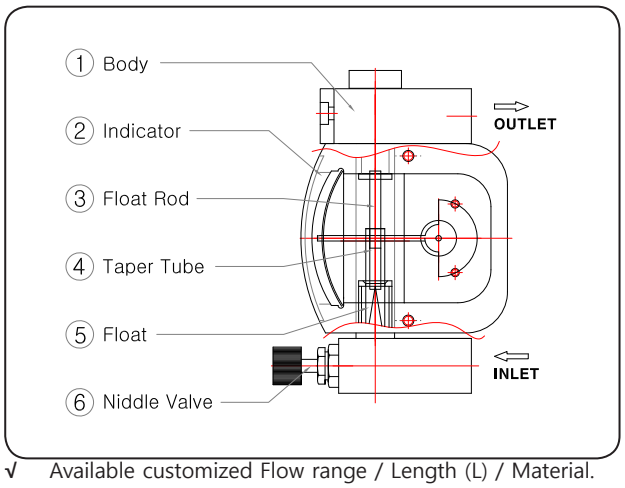
FLOW RANGES & DIMENSIONS

Type	Length				Flow Ranges	
	W	A	D	L	Water (L/h)	Air (NL/h)
SMGP-1	41	-	48	130	Over 0.15	Over 1.6
SMGP-2		34		120		
SMGP-3		34		100		
SMGP-4		34	-	90		

DRAWING



STRUCTURAL DRAWING



√ Available customized Flow range / Length (L) / Material.

STANDARD MATERIAL

No.	Description	Material	
1	Body	304SS	316SS
2	Indicator	ALUMINUM	
3	Float rod	304SS	316SS
4	Taper tube	304SS	316SS
5	Float	304SS	316SS
6	Niddle valve	304SS	316SS

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KOMETER



N-SMGP Series

Metal Tube Flow meter Used by Attaching to Panel

FEATURE

- Applicable to varied fluids such as liquids, gases, steam, etc.
- Can be used for high temperature and pressure fluids and their piping conditions
- Can be freely designed as front end/rear end depending on piping condition
- Easy to measure flow rates at low flow rates.
- Alarm and valve function (option)
- Used to attach to panel

APPLICATIONS

▶ Chemical and Other Process Industries
- Additives (e.g. Catalysts, Surfactants, Foam-inhibitors, Emulsifiers)
- Acids, Bases, Phosphates and Other Chlorides, Sulfuric Acid Substances
- Condensate and Cooling Water

▶ Refinery & Gas Industry
- Nitrogen, Flue Gas, etc.

▶ Machinery and Equipment (OEM Industry)
- Coolant, lubricant, Air Supply

▶ Water Industry
- Spray Oxygen on the Aeration Basin
- Air injection to reduce iron content

▶ Power Plants and Nuclear Power Industry

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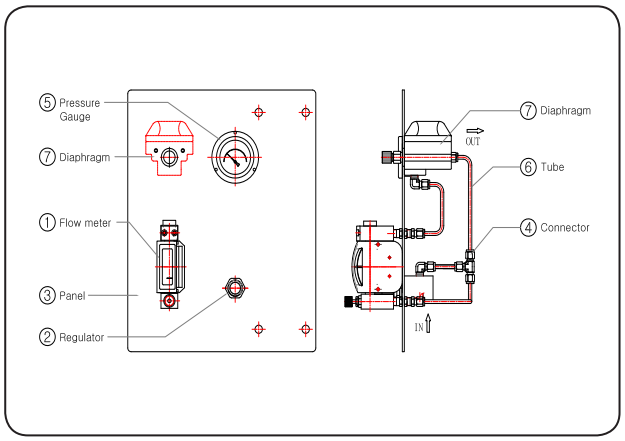
N-SMGP Series General Specifications

Size	6A (1/4") - 12A (1/2")
Process Connection	PT, NPT (Female)
Flow Ranges	Water / Air - SMGP 기준으로 제작 (Option - Customize)
Range Ability	10 : 1
Accuracy	±3.0 % F.S (Option ±1.5 % M.V)
Fluid Temperature	Max 120 ℃
Max. Pressure	Max. 10 kgf/㎠.G
Display	Needle Type Gradation

MODEL CODE

N - S M G P	-	□	Specification
		1	Single Flowmeter
		2	Double Flowmeter

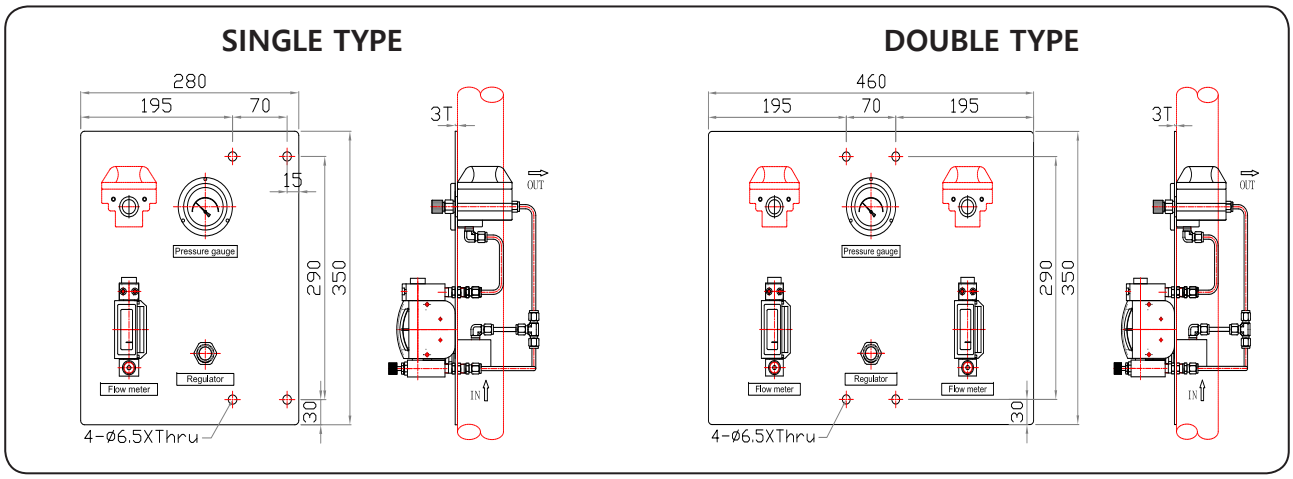
STRUCTURAL DRAWING



STANDARD MATERIAL

No.	Description	Material	
1	Flowmeter	304SS	316SS
2	Regulator	P.C	P.C
3	Panel	304SS	316SS
4	Connector	304SS	316SS
5	Pressure gauge	304SS	316SS
6	Tube	304SS	316SS
7	Diaphragm	304SS	316SS

DIMENSIONS



KOMETER



MGI Series

Metal Tube Flow meter for High-Pressure and Extreme Temperature

FEATURE

- Applicable to varied fluids such as liquids, gases, steam, etc.
- Can be used for high temperature and pressure fluids and their piping conditions
- Can be freely designed as front end/rear end depending on piping condition
- Manufactured from small to large diameter

APPLICATIONS

▶ Chemical and Other Process Industries
- Additives (e.g. Catalysts, Surfactants, Foam-inhibitors, Emulsifiers)
- Acids, Bases, Phosphates and Other Chlorides, Sulfuric Acid Substances
- Condensate and Cooling Water

▶ Refinery & Gas Industry
- Nitrogen, Flue Gas, etc.

▶ Machinery and Equipment (OEM Industry)
- Coolant, lubricant, Air Supply

▶ Water Industry
- Spray Oxygen on the Aeration Basin
- Air injection to reduce iron content

▶ Power Plants and Nuclear Power Industry

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MGI Series General Specifications

Size	10A(3/8") ~ 200A(8")
Process Connection	KS/JIS/ASME/DIN Std.
Flow Ranges	Water - 0.02 ㎥/h ~ 200 ㎥/h Air - 0.6 N㎥/h ~ 3000 N㎥/h
Range Ability	10 : 1
Accuracy	±2.0 % F.S (Option ±1.5 % M.V)
Fluid Temperature	Max 150 ℃
Max. Pressure	Max. 10 kgf/㎠.G (Option 60 kgf/㎠.G)
Display	Needle Type Gradation

MODEL CODE

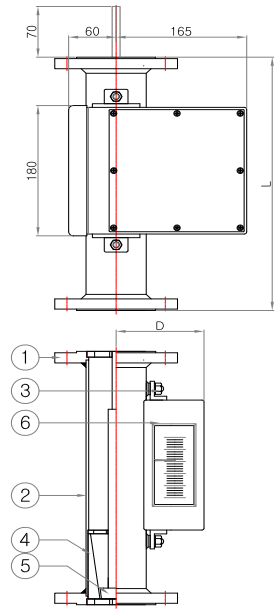
M G I	-	□	-	□	Specification
		1			Bottom to Top
		2			Bottom to Top side
		4			Bottom side to Top side
		5			Side to Sside
				A	Alarm Switch

STANDARD MATERIAL

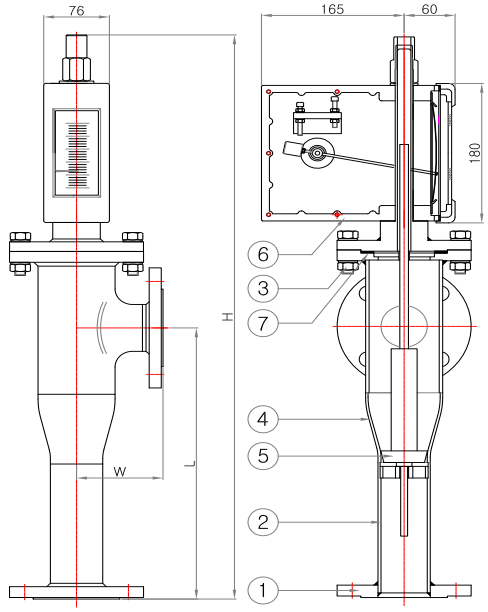
No.	Description	Material		
		A	B	C
1	Flange	304SS	316SS	316LSS
2	Body	304SS		316LSS
3	Bolt, Nut	304SS		
4	Taper tube	304SS		316LSS
5	Float	304SS		316LSS
6	Indicator	ALUMINUM		
7	Gasket	EPDM, NON-ASBESTOS, PTFE		

STRUCTURAL DRAWING

MGI-1



MGI-2



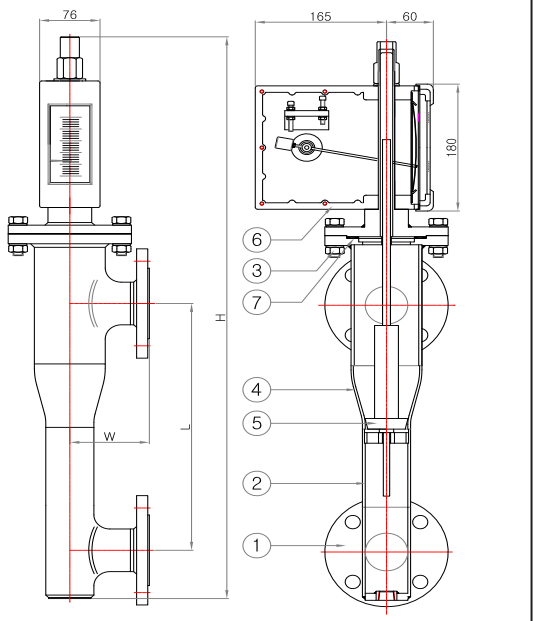
FLOW RANGE & DIMENSIONS

Connector size		MGI-1					MGI-2						Flow range	
		L (mm)	D (mm)	Pressure Loss (mmAq)		Weight (kg)	L (mm)	W (mm)	H (mm)	Pressure Loss (mmAq)		Weight (kg)	Water (m^3/h)	Air (Nm^3/h)
				Water	Air	Metal				Water	Air	Metal		
15A	1/2 B	350	85	650	1000	5	250	80	518	850	280	8	0.02-0.2 0.2-2	0.6-6 3-30
20A	3/4 B	350	90	600	1000	5	250	80	540	910	400	8	0.08-0.8 0.35-3.5	1.5-15 5-50
25A	1 B	350	95	730	1100	6	300	100	610	600	270	10	0.1-1 0.6-6	2-20 9-90
32A	1-1/4 B	360	98	800	1000	7	300	100	625	600	270	11	0.1-1 1-10	2-20 15-150
40A	1-1/2 B	360	105	900	1200	8	350	100	700	500	290	12	0.2-2 1.5-15	4-40 20-200
50A	2 B	360	112	630	1000	10	350	120	720	800	340	15	0.5-5 2.5-25	6-60 40-400
65A	2-1/2 B	450	118	780	1650	13	400	150	810	650	260	22	0.8-8 4-40	10-100 60-600
80A	3 B	450	130	910	2300	15	400	150	850	1270	400	25	1.2-12 5-50	12-120 80-800
100A	4 B	450	143	1200	2400	20	450	180	955	1360	550	43	2.5-25 9-90	25-250 120-1200
125A	5 B	500	155	1400	2000	32	450	220	1025	1600	580	55	4-40 15-150	40-400 200-2000
150A	6 B	500	182	1800	2200	50	500	240	1150	2100	560	75	6-60 20-200	60-600 300-3000

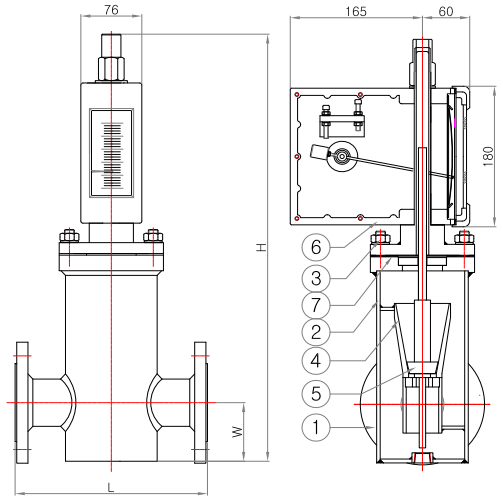
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STRUCTURAL DRAWING

MGI-4



MGI-5



FLOW RANGE & DIMENSIONS

Connector size		MGI-4						MGI-5						Flow range	
		L (mm)	W (mm)	H (mm)	Pressure Loss (mmAq)		Weight (kg)	L (mm)	W (mm)	H (mm)	Pressure Loss (mmAq)		Weight (kg)	Water (m^3/h)	Air (Nm^3/h)
					Water	Air	Metal				Water	Air	Metal		
15A	1/2 B	250	80	515	850	280	8	150	48	450	1100	1200	12	0.02-0.2 0.2-2	0.6-6 3-30
20A	3/4 B	250	80	540	910	400	8	180	50	450	1200	1480	12	0.08-0.8 0.35-3.5	1.5-15 5-50
25A	1 B	300	100	630	600	270	10	200	62	460	1000	2100	15	0.1-1 0.6-6	2-20 9-90
32A	1-1/4 B	300	100	660	550	300	11	250	67	490	1300	1860	17	0.1-1 1-10	2-20 15-150
40A	1-1/2 B	350	100	755	500	290	12	250	70	510	1500	1550	18	0.2-2 1.5-15	4-40 20-200
50A	2 B	350	120	790	800	340	16	280	77	540	1150	1900	24	0.5-5 2.5-25	6-60 40-400
65A	2-1/2 B	400	150	905	650	260	23	350	87	572	1000	2210	35	0.8-8 4-40	10-100 60-600
80A	3 B	400	150	962	1270	400	26	400	92	650	1600	2100	40	1.2-12 5-50	12-120 80-800
100A	4 B	450	180	1095	1360	550	44	500	105	650	1800	2400	60	2.5-25 9-90	25-250 120-1200
125A	5 B	450	220	1205	1600	710	57	550	125	692	2000	2600	90	4-40 15-150	40-400 200-2000
150A	6 B	500	240	1370	2100	680	77	600	140	720	2450	3150	110	6-60 20-200	60-600 300-3000

KOMETER



MGIJ Series

Metal Tube Flow meter for Maintain Temperature

FEATURE

- Can keep the fluid temperature constant
- Applicable to varied fluids such as liquids, gases, steam, etc.
- Can be used for high temperature and pressure fluids and their piping conditions
- Can be freely designed as front end/rear end depending on piping condition
- Manufactured from small to large diameter

APPLICATIONS

▶ Chemical and Other Process Industries
- Additives (e.g. Catalysts, Surfactants, Foam-inhibitors, Emulsifiers)
- Acids, Bases, Phosphates and Other Chlorides, Sulfuric Acid Substances
- Condensate and Cooling Water

▶ Refinery & Gas Industry
- Nitrogen, Flue Gas, etc.

▶ Machinery and Equipment (OEM Industry)
- Coolant, lubricant, Air Supply

▶ Water Industry
- Spray Oxygen on the Aeration Basin
- Air injection to reduce iron content

▶ Power Plants and Nuclear Power Industry

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MGIJ Series General Specifications

Size	10A(3/8") ~ 200A(8")
Process Connection	KS/JIS/ASME/DIN Std.
Flow Ranges	Water - 0.02 ㎥/h ~ 200 ㎥/h Air - 0.6 N㎥/h ~ 3000 N㎥/h
Range Ability	10 : 1
Accuracy	±2.0 % F.S (Option ±1.5 % M.V)
Fluid Temperature	Max 250 ℃
Max. Pressure	Max. 10 kgf/㎠.G (Option 60 kgf/㎠.G)
Display	Needle Type Gradation

MODEL CODE

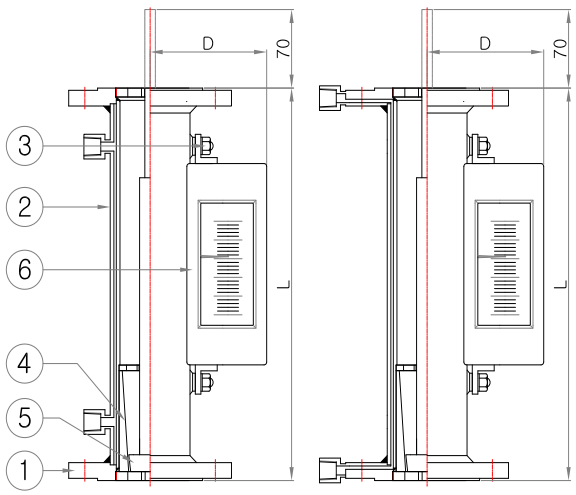
M G I J	-	□	-	□	-	□	Specification
		1					Bottom to Top
		2					Bottom to Top side
				A			Alarm Switch
				S			DC 4-20 mA
						J	Heating jacket

STANDARD MATERIAL

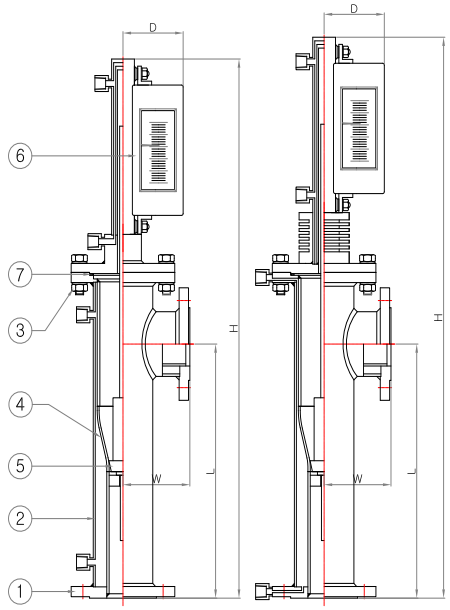
No.	Description	Material	
		A	B
1	Flange	304SS	316SS(L)
2	Body		
3	Bolt, Nut		
4	Taper tube		
5	Float		
6	Indicator	ALUMINUM	
7	Gasket	NON-ASBESTOS, PTFE	

STRUCTURAL DRAWING

MGIJ-1



MGIJ-2



FLOW RANGE & DIMENSIONS

Connector size		MGIJ-1					MGIJ-2							Flow range	
		L (mm)	D (mm)	Pressure Loss (mmAq)		Weight (kg)	L (mm)	W (mm)	H (mm)	D (mm)	Pressure Loss (mmAq)		Weight (kg)	Water (m^3/h)	Air (Nm^3/h)
				Water	Air	Metal					Water	Air	Metal		
15A	1/2 B	350	85	650	1000	6	250	80	518	90	850	280	12	0.02-0.2 0.2-2	0.6-6 3-30
20A	3/4 B	350	90	600	1000	6	250	80	540	90	910	400	12	0.08-0.8 0.35-3.5	1.5-15 5-50
25A	1 B	350	95	730	1100	7	300	100	610	90	600	270	15	0.1-1 0.6-6	2-20 9-90
32A	1-1/4 B	360	98	800	1000	8	300	100	625	90	600	270	16	0.1-1 1-10	2-20 15-150
40A	1-1/2 B	360	105	900	1200	10	350	100	700	90	500	290	18	0.2-2 1.5-15	4-40 20-200
50A	2 B	360	112	630	1000	12	350	120	720	90	800	340	22	0.5-5 2.5-25	6-60 40-400
65A	2-1/2 B	450	118	780	1650	16	400	150	810	90	650	260	30	0.8-8 4-40	10-100 60-600
80A	3 B	450	130	910	2300	18	400	150	850	90	1270	400	35	1.2-12 5-50	12-120 80-800
100A	4 B	450	143	1200	2400	25	450	180	955	90	1360	550	58	2.5-25 9-90	25-250 120-1200
125A	5 B	500	156	1400	2000	38	450	220	1025	90	1600	580	72	4-40 15-150	40-400 200-2000
150A	6 B	500	182	1800	2200	60	500	240	1150	90	2100	560	95	6-60 20-200	60-600 300-3000

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KOMETER



MGP Series

Metal Tube Flow meter for High-Pressure and Extreme Temperature

FEATURE

- Valve function (option)
- Applicable to varied fluids such as liquids, gases, steam, etc.
- Can be used for high temperature and pressure fluids and their piping conditions
- Can be freely designed as front end/rear end depending on piping condition
- Easy to measure flow rates at low flow rates.

APPLICATIONS

▶ Chemical and Other Process Industries
- Additives (e.g. Catalysts, Surfactants, Foam-inhibitors, Emulsifiers)
- Acids, Bases, Phosphates and Other Chlorides, Sulfuric Acid Substances
- Condensate and Cooling Water

▶ Refinery & Gas Industry
- Nitrogen, Flue Gas, etc.

▶ Machinery and Equipment (OEM Industry)
- Coolant, lubricant, Air Supply

▶ Water Industry
- Spray Oxygen on the Aeration Basin
- Air injection to reduce iron content

▶ Power Plants and Nuclear Power Industry

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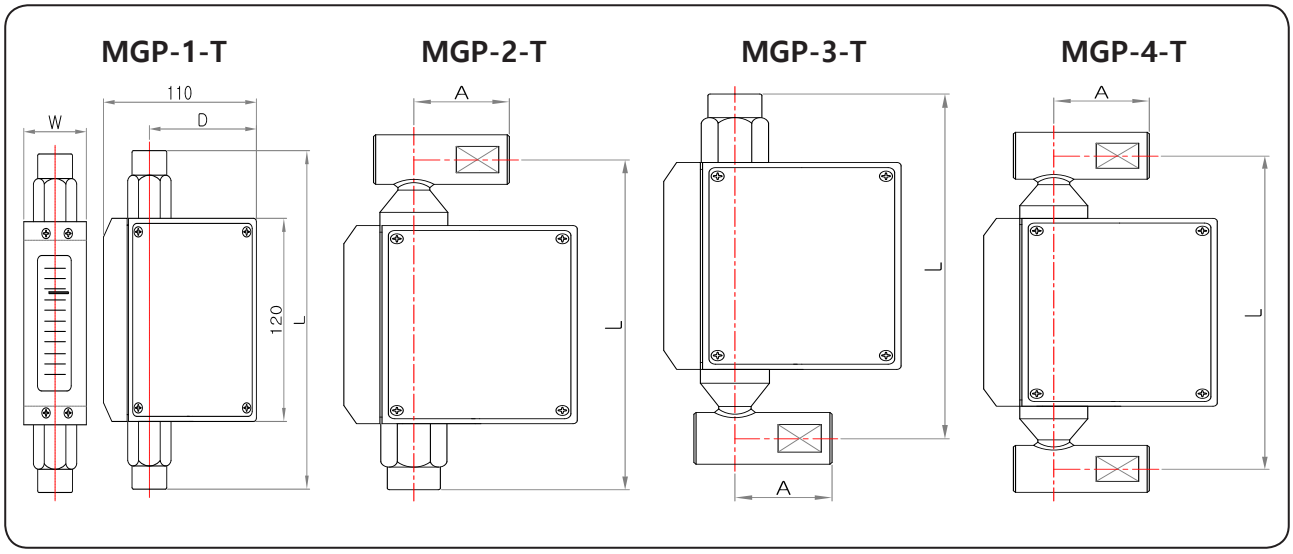
MGP Series General Specifications

Size	10A(3/8") ~ 200A(8")
Process Connection	KS/JIS/ASME/DIN Std Flange or Screw
Flow Ranges	Water - 0 L/h ~ 500 L/h Air - 30 NL/h ~ 9000 NL/h
Range Ability	10 : 1
Accuracy	±3.0 % F.S (Option ±1.5 % M.V)
Fluid Temperature	Max 80 ℃ (Option 350 ℃)
Max. Pressure	Max. 30 kgf/㎠.G (Option 200 kgf/㎠.G)
Display	Needle Type Gradation

MODEL CODE

M G P	-	□	-	□	-	□	Specification
		1					Bottom to Top
		2					Bottom to Top side
		3					Bottom side to Top
		4					Bottom side to Top side
				A			Alarm Switch
				V			Valve

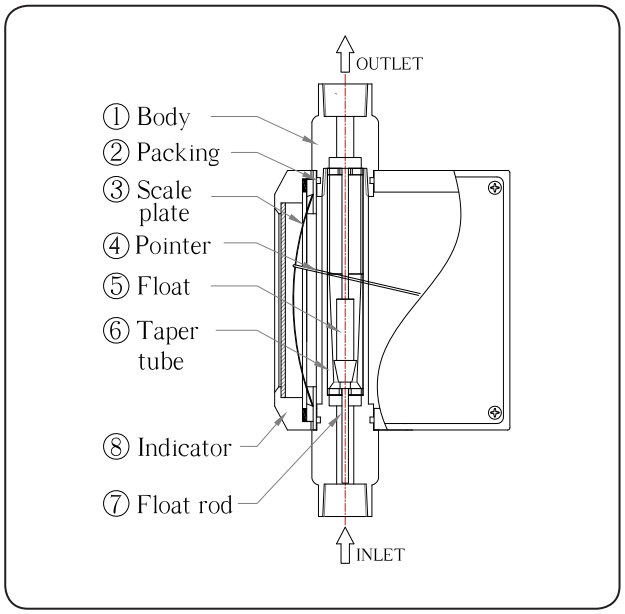
DRAWING



FLOW RANGES & DIMENSIONS

Connection Size		Length				Flow Ranges	
		W	A	D	L	Water (L/h)	Air (NL/h)
10A	PT 1/4 B	45	45	77	200	0 ~ 500 (Max 1,000)	30 ~ 9,000 (Max 30,000)
15A	PT 1/2 B						
20A	PT 3/4 B						
25A	PT 1 B		55	82			

STRUCTURAL DRAWING

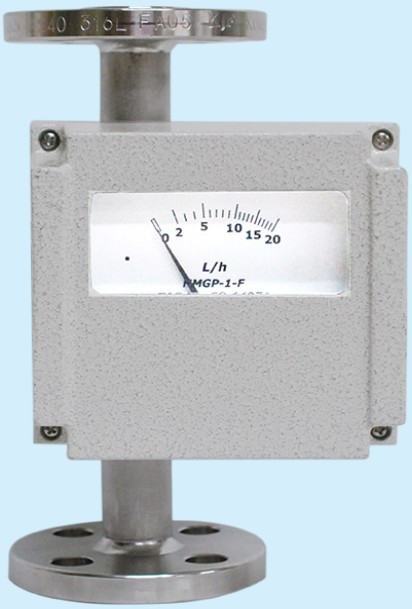


STANDARD MATERIAL

No.	Description	Material	
1	Body	304SS	316SS
2	Packing	NBR, PTFE	
3	Scale plate	ALUMINUM	
4	Pointer	ALUMINUM	
5	Float	304SS	316SS
6	Taper tube	304SS	316SS
7	Float rod	304SS	316SS
8	Indicator	ACD12	

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KOMETER



NMGP Series

Metal Tube Flow meter for High-Pressure and Extreme Temperature

FEATURE

- Applicable to varied fluids such as liquids, gases, steam, etc.
- Can be used for high temperature and pressure fluids and their piping conditions
- Can be freely designed as front end/rear end depending on piping condition
- Easy to measure flow rates at low flow rates.

APPLICATIONS

▶ Chemical and Other Process Industries
- Additives (e.g. Catalysts, Surfactants, Foam-inhibitors, Emulsifiers)
- Acids, Bases, Phosphates and Other Chlorides, Sulfuric Acid Substances
- Condensate and Cooling Water

▶ Refinery & Gas Industry
- Nitrogen, Flue Gas, etc.

▶ Machinery and Equipment (OEM Industry)
- Coolant, lubricant, Air Supply

▶ Water Industry
- Spray Oxygen on the Aeration Basin
- Air injection to reduce iron content

▶ Power Plants and Nuclear Power Industry

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NMGP Series General Specifications

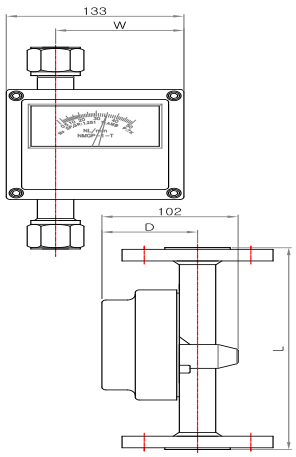
Size	8A(1/4") ~ 25A(1")
Process Connection	KS/JIS/ASME/DIN Std Flange or Screw
Flow Ranges	Water - 0 L/h ~ 2000 L/h Air - 0 NL/h ~ 20000 NL/h
Range Ability	10 : 1
Accuracy	±3.0 % F.S (Option ±1.5 % M.V)
Fluid Temperature	Max 80 ℃ (Option 350 ℃)
Max. Pressure	Max. 30 kgf/㎠.G (Option 200 kgf/㎠.G)
Display	Needle Type Gradation

MODEL CODE

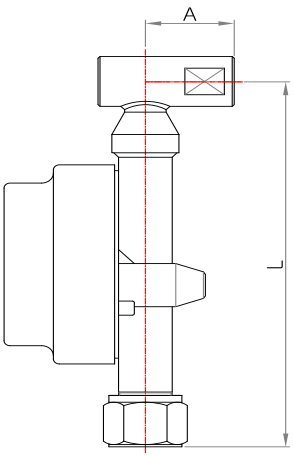
N M G P	-	□	-	□	-	□	Specification
		1					Bottom to Top
		2					Bottom to Top side
		3					Bottom side to Top
		4					Bottom side to Top side
				A			Alarm Switch
				V			Valve

DRAWING

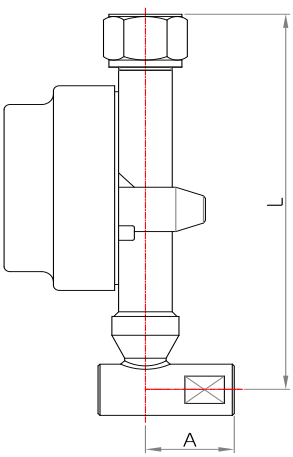
NMGP-1-T



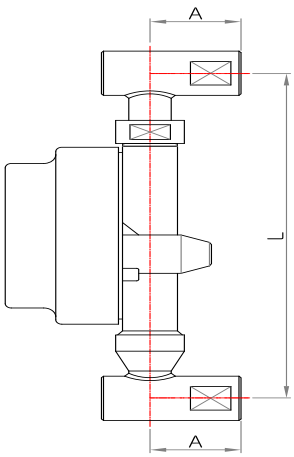
NMGP-2-T



NMGP-3-T



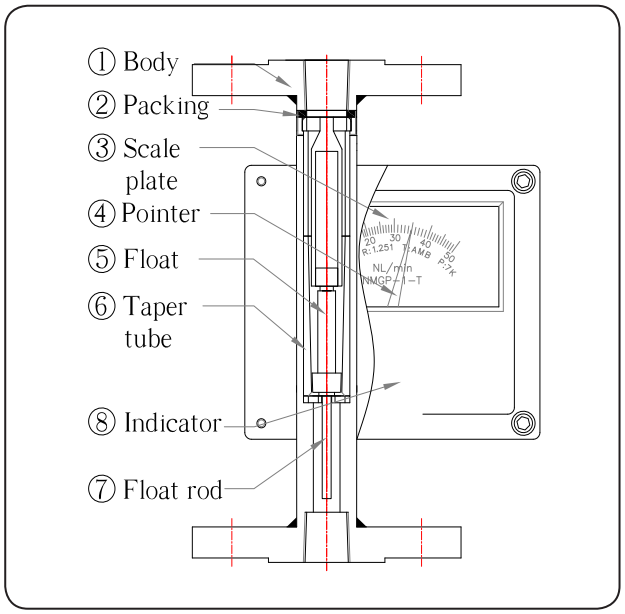
NMGP-4-T



FLOW RANGES & DIMENSIONS

Connection Size		Length				Flow Ranges	
		W	A	D	L	Water (L/h)	Air (NL/h)
10A	PT 1/4 B	96	45	72	220	0 ~ 2000 (Max. 3 ㎥/h)	0 ~ 20000 (Max. 30 N㎥/h)
15A	PT 1/2 B						
20A	PT 3/4 B						
25A	PT 1 B	100	55	76			

STRUCTURAL DRAWING



STANDARD MATERIAL

No.	Description	Material	
1	Body	304SS	316SS
2	Packing	NBR, PTFE	
3	Scale plate	ALUMINUM	
4	Pointer	ALUMINUM	
5	Float	304SS	316SS
6	Taper tube	304SS	316SS
7	Float rod	304SS	316SS
8	Indicator	ACD12	

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KOMETER



NMGE Series

Metal Tube Flow meter for High-Pressure and Extreme Temperature

FEATURE

- Applicable to varied fluids such as liquids, gases, steam, etc.
- Can be used for high temperature and pressure fluids and their piping conditions
- Can be easily check Instantaneous flow and Accumulated flow on the monitor
- Explosion Proof : Ex d IIC T5
- Combined with various equipment for external output signal
- Can be freely designed as front end/rear end depending on piping condition

APPLICATIONS

▶ Chemical and Other Process Industries
- Additives (e.g. Catalysts, Surfactants, Foam-inhibitors, Emulsifiers)
- Acids, Bases, Phosphates and Other Chlorides, Sulfuric Acid Substances
- Condensate and Cooling Water

▶ Refinery & Gas Industry
- Nitrogen, Flue Gas, etc.

▶ Machinery and Equipment (OEM Industry)
- Coolant, lubricant, Air Supply

▶ Water Industry
- Spray Oxygen on the Aeration Basin
- Air injection to reduce iron content

▶ Power Plants and Nuclear Power Industry

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NMGE Series General Specifications

Size	10A(3/8") ~ 200A(8")
Process Connection	KS/JIS/ASME/DIN Std Flange or Screw
Flow Ranges	Water - 0.02 ㎥/h ~ 200 ㎥/h Air - 0.6 N㎥/h ~ 3000 N㎥/h
Range Ability	10 : 1
Accuracy	±2.0 % F.S (Option ±1.5 % M.V)
Fluid Temperature	Max 150 ℃ (Option 250 ℃)
Max. Pressure	Max. 10 kgf/㎠.G (Option 150 kgf/㎠.G)
Power	DC 24 V (2-WIRE)
Output	DC 4-20 mA
Protection Class	Ex d IIC T5

MODEL CODE

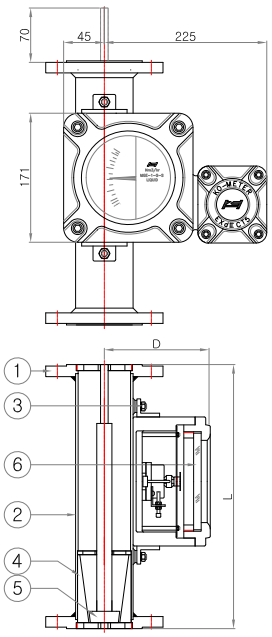
N M G E	-	□	-	□	Specification
		1			Bottom to Top
		2			Bottom to Top side
		4			Bottom side to Top side
		5			Side to Side
				S	DC 4-20 mA
				A	Alarm Switch

STANDARD MATERIAL

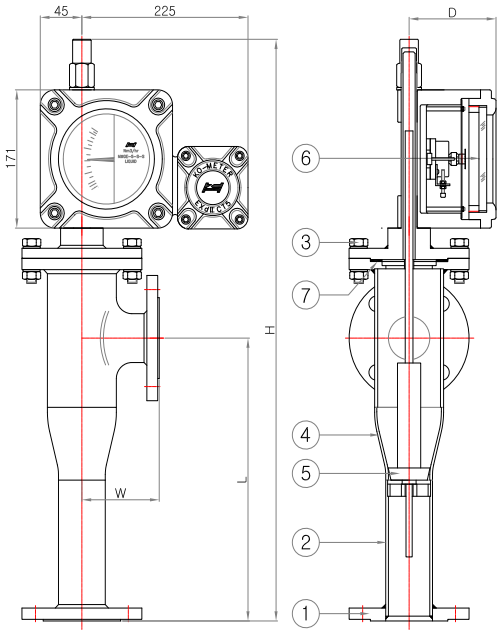
No.	Description	Material		
		A	B	C
1	Flange	304SS	316SS	316LSS
2	Body	304SS		316LSS
3	Bolt, Nut	304SS		
4	Taper tube	304SS		316LSS
5	Float	304SS		316LSS
6	Indicator	ALUMINUM		
7	Gasket	EPDM, NON-ASBESTOS, PTFE		

STRUCTURAL DRAWING

NMGE-1



NMGE-2



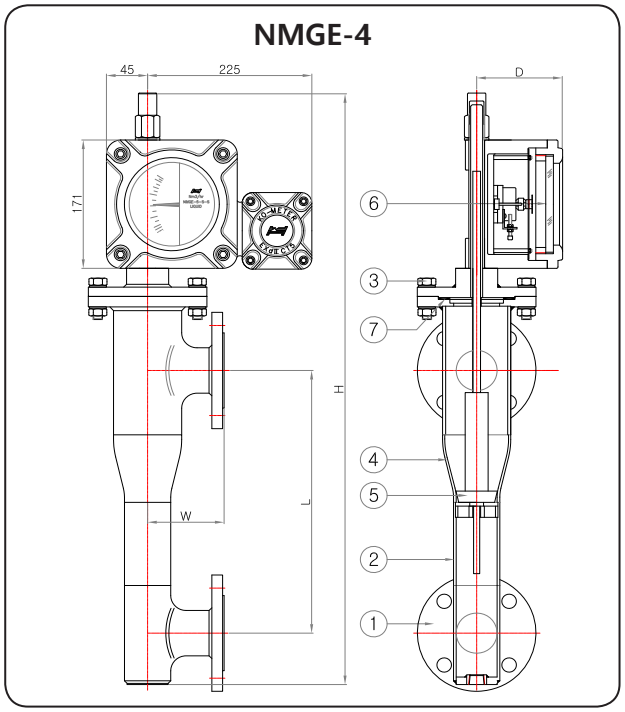
FLOW RANGE & DIMENSIONS

Connector size		NMGE-1					NMGE-2							Flow range	
		L (mm)	D (mm)	Pressure loss (mmAq)		Weight (kg)	L (mm)	W (mm)	H (mm)	D (mm)	Pressure loss (mmAq)		Weight (kg)	Water (m^3/h)	Air (Nm^3/h)
				Water	Air	Metal					Water	Air	Metal		
15A	1/2 B	350	115	650	1000	5	250	80	518	114	850	280	8	0.02-0.2 0.2-2	0.6-6 3-30
20A	3/4 B	350	120	600	1000	5	250	80	540	114	910	400	8	0.08-0.8 0.35-3.5	1.5-15 5-50
25A	1 B	350	125	730	1100	6	300	100	610	114	600	270	10	0.1-1 0.6-6	2-20 9-90
32A	1-1/4 B	360	128	800	1000	7	300	100	625	114	600	270	11	0.1-1 1-10	2-20 15-150
40A	1-1/2 B	360	135	900	1200	8	350	100	700	114	500	290	12	0.2-2 1.5-15	4-40 20-200
50A	2 B	360	142	630	1000	10	350	120	720	114	800	340	15	0.5-5 2.5-25	6-60 40-400
65A	2-1/2 B	450	148	780	1650	13	400	150	810	114	650	260	22	0.8-8 4-40	10-100 60-600
80A	3 B	450	160	910	2300	15	400	150	850	114	1270	400	25	1.2-12 5-50	12-120 80-800
100A	4 B	450	173	1200	2400	20	450	180	955	114	1360	550	43	2.5-25 9-90	25-250 120-1200
125A	5 B	500	185	1400	2000	32	450	220	1025	114	1600	580	55	4-40 15-150	40-400 200-2000
150A	6 B	500	212	1800	2200	50	500	240	1150	114	2100	560	75	6-60 20-200	60-600 300-3000

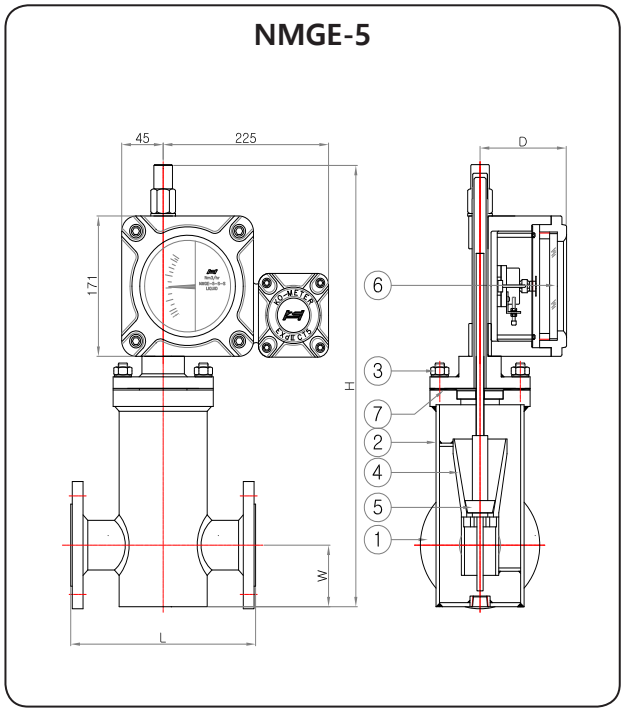
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STRUCTURAL DRAWING

NMGE-4



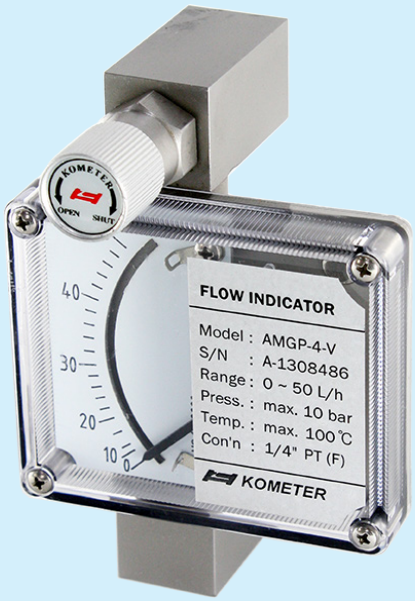
NMGE-5



FLOW RANGE & DIMENSIONS

Connector size		NMGE-4							NMGE-5							Flow range	
		L (mm)	W (mm)	H (mm)	D (mm)	Pressure loss (mmAq)		Weight (kg)	L (mm)	W (mm)	H (mm)	D (mm)	Pressure loss (mmAq)		Weight (kg)	Water (m^3/h)	Air (Nm^3/h)
						Water	Air	Metal					Water	Air	Metal		
15A	1/2 B	250	80	515	114	850	280	8	150	48	518	114	1100	1200	12	0.02-0.2 0.2-2	0.6-6 3-30
20A	3/4 B	250	80	540	114	910	400	8	180	50	540	114	1200	1480	12	0.08-0.8 0.35-3.5	1.5-15 5-50
25A	1 B	300	100	630	114	600	270	10	200	62	610	114	1000	2100	15	0.1-1 0.6-6	2-20 9-90
32A	1-1/4 B	300	100	660	114	550	300	11	250	67	625	114	1300	1860	17	0.1-1 1-10	2-20 15-150
40A	1-1/2 B	350	100	755	114	500	290	12	250	70	700	114	1500	1550	18	0.2-2 1.5-15	4-40 20-200
50A	2 B	350	120	790	114	800	340	16	280	77	720	114	1150	1900	24	0.5-5 2.5-25	6-60 40-400
65A	2-1/2 B	400	150	905	114	650	260	23	350	87	810	114	1000	2210	35	0.8-8 4-40	10-100 60-600
80A	3 B	400	150	962	114	1270	400	26	400	92	850	114	1600	2100	40	1.2-12 5-50	12-120 80-800
100A	4 B	450	180	1095	114	1360	550	44	500	105	955	114	1800	2400	60	2.5-25 9-90	25-250 120-1200
125A	5 B	450	220	1205	114	1600	710	57	550	125	1025	114	2000	2600	90	4-40 15-150	40-400 200-2000
150A	6 B	500	240	1370	114	2100	680	77	600	140	1150	114	2450	3150	110	6-60 20-200	60-600 300-3000

KOMETER



AMGP Series

Metal Tube Flow meter for Ultra Low FLow at Panel

FEATURE

- Applicable to varied fluids such as liquids, gases, steam, etc.
- Easy to measure flow rates at low flow rates.
- Can be mounted on the panel
- Alarm and valve function (option)
- Analog Instruction Format

APPLICATIONS

▶ Chemical and Other Process Industries
- Additives (e.g. Catalysts, Surfactants, Foam-inhibitors, Emulsifiers)
- Acids, Bases, Phosphates and Other Chlorides, Sulfuric Acid Substances
- Condensate and Cooling Water

▶ Refinery & Gas Industry
- Nitrogen, Flue Gas, etc.

▶ Machinery and Equipment (OEM Industry)
- Coolant, lubricant, Air Supply

▶ Water Industry
- Spray Oxygen on the Aeration Basin
- Air injection to reduce iron content

▶ Power Plants and Nuclear Power Industry

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AMGP Series General Specifications

Size	6A(1/8") ~ 10A(3/8")
Process Connection	Screw (PT, NPT, PF)
Measured Fluid	Gas and Liquid
Flow Ranges	Water - 0 L/h ~ 500 L/h Air - 0 NL/h ~ 5000 NL/h
Range Ability	10 : 1
Accuracy	±3.0 % F.S (Option ±1.5 % M.V)
Fluid Temperature	Max 80 ℃
Max. Pressure	Max. 10 kgf/㎠.G (Option 150 kgf/㎠.G)
Display	Needle Type Gradation

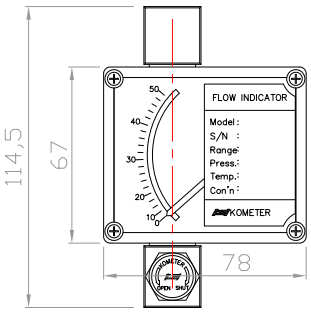
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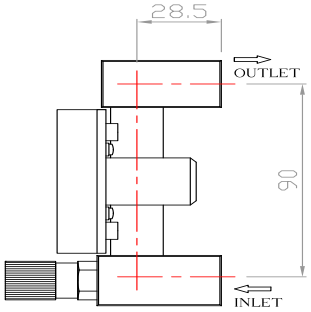
NMGP	-	□	Specification
		A	Alarm switch
		V	Valve

STANDARD MATERIAL

Description	Material	
Body	304SS	316SS
Indicator	Acryl/304SS	Acryl/316SS
Float rod	304SS	316SS
Taper tube	304SS	316SS
Float	304SS	316SS
Niddle valve	304SS	316SS

STRUCTURAL DRAWING





KOMETER



MGA Series

Metal Tube Flow meter for High-Pressure and Extreme Temperature

FEATURE

- Applicable to varied fluids such as liquids, gases, steam, etc.
- Easy to measure flow rates at low flow rates.
- Can be used for high temperature and pressure fluids and their piping conditions
- Alarm and valve function (option)

APPLICATIONS

▶ Chemical and Other Process Industries
- Additives (e.g. Catalysts, Surfactants, Foam-inhibitors, Emulsifiers)
- Acids, Bases, Phosphates and Other Chlorides, Sulfuric Acid Substances
- Condensate and Cooling Water

▶ Refinery & Gas Industry
- Nitrogen, Flue Gas, etc.

▶ Machinery and Equipment (OEM Industry)
- Coolant, lubricant, Air Supply

▶ Water Industry
- Spray Oxygen on the Aeration Basin
- Air injection to reduce iron content

▶ Power Plants and Nuclear Power Industry

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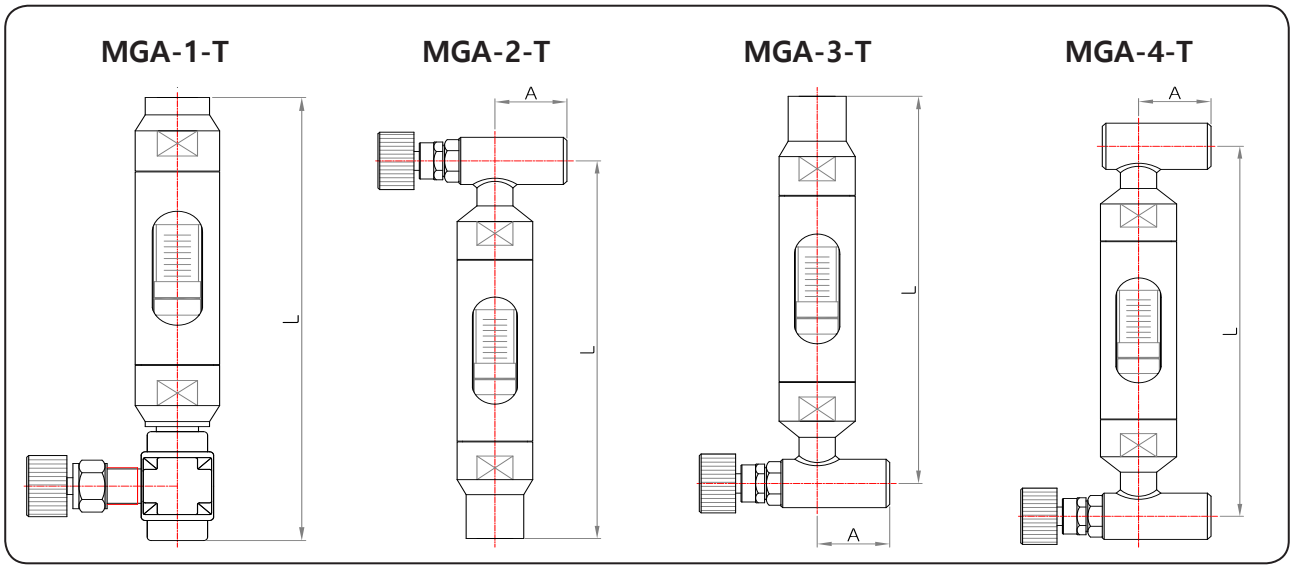
MGA Series General Specifications

Size	10A(3/8") ~ 20A(3/4")
Process Connection	KS/JIS/ASME/DIN Std Flange or Screw
Flow Ranges	Water - 0 L/h ~ 3,000 L/h Air - 30 NL/h ~ 30,000 NL/h
Range Ability	10 : 1
Accuracy	±3.0 % F.S (Option ±1.5 % M.V)
Fluid Temperature	Max 80 ℃ (Option 350 ℃)
Max. Pressure	Max. 30 kgf/㎠.G (Option 120 kgf/㎠.G)

MODEL CODE

M G A	-	□	-	□	Specification
		1			Bottom to Top
		2			Bottom to Top side
		3			Bottom side to Top
		4			Bottom side to Top side
				A	Alarm Switch
				V	Valve

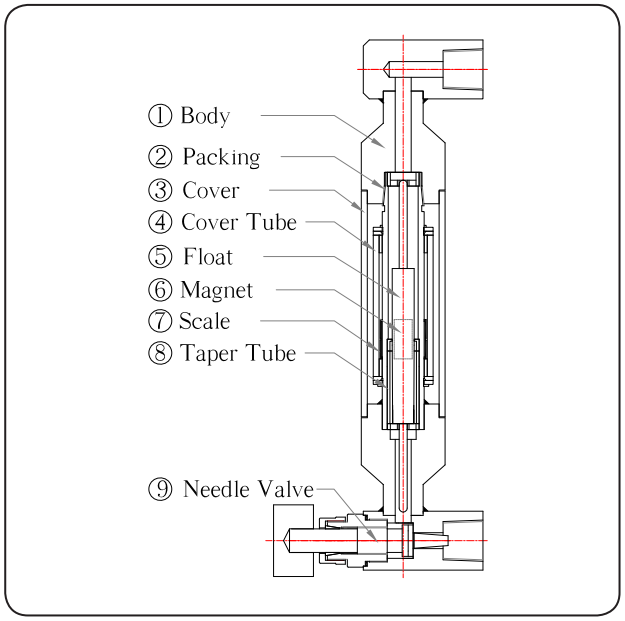
DRAWING



FLOW RANGES & DIMENSIONS

Size	10A(3/8") ~ 20A(3/4")
Process Connection	KS/JIS/ASME/DIN Std Flange or Screw
Flow Ranges	Water - 0 L/h ~ 3,000 L/h Air - 30 NL/h ~ 30,000 NL/h
Range Ability	10 : 1
Accuracy	±3.0 % F.S (Option ±1.5 % M.V)
Fluid Temperature	Max 80 ℃ (Option 350 ℃)
Max. Pressure	Max. 30 kgf/㎠.G (Option 120 kgf/㎠.G)

STRUCTURAL DRAWING



STANDARD MATERIAL

No.	Description	Material	
1	Body	304SS	316SS
2	Packing	NBR, PTFE	
3	Cover holder	ALUMINUM	
4	Cover tube	GLASS	
5	Float	304SS	316SS
6	magnet	ALNICO	
7	Scale	SS400	
8	Taper tube	304SS	316SS
9	Needle valve	304SS	316SS

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KOMETER



MC Series

Metal Tube Flow meter for High-Pressure and Extreme Temperature

MC Series General Specifications

Size	15A(1/2") ~ 200A(8")
Process Connection	KS/JIS/ASME/DIN Std Flange
Flow Ranges	Water - 0.02 ㎥/h ~ 200 ㎥/h Air - 0.6 N㎥/h ~ 3,000 N㎥/h
Range Ability	10 : 1
Accuracy	±2.0 % F.S (Option ±1.5 % M.V)
Fluid Temperature	Max 150 ℃
Max. Pressure	Max. 10 kgf/㎠.G (Option 20 kgf/㎠.G)

MODEL CODE

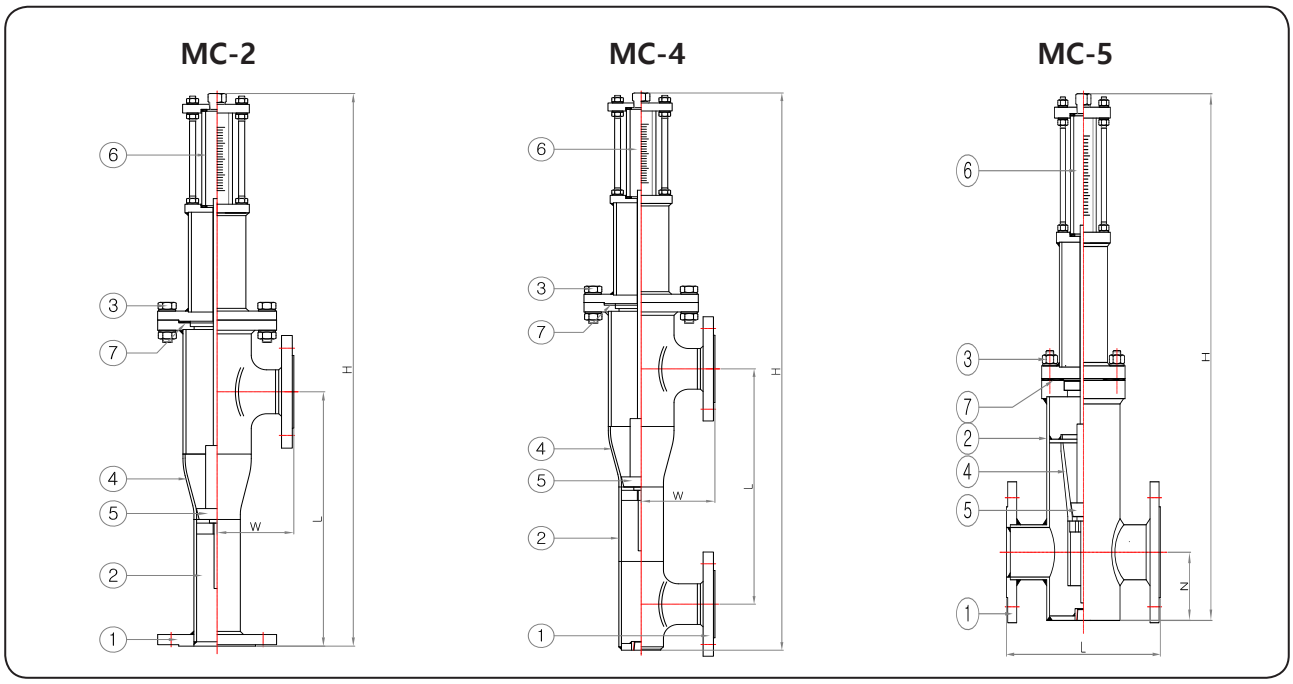
MC	-	□	-	□	Specification
		2			Bottom to Top side
		4			Bottom side to Top side
		5			Side to Side
				A	Alarm Switch

STANDARD MATERIAL

Description	Material		
	A	B	C
Flange, Body	SS400	304SS	316SS(L)
Bolt, Nut	SS400	304SS	
Taper tube, Float	304SS		316SS(L)
Scale	PYREX GLASS, ACRYL		
Gasket	EPDM, NON-ASBESTOS, PTFE		

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STRUCTURAL DRAWING



FLOW RANGES & DIMENSIONS

Connector size		Length (mm)									Flow range		Pressure Loss (mmAq)		Weight (kg)
		MC-2			MC-4			MC-5			Water (m^3/h)	Air (Nm^3/h)			
		L	W	H	L	W	H	L	N	H			Water	Air	Metal
15A	1/2 B	250	80	563	250	80	870	150	48	560	0.02-0.2 0.2-2	0.6-6 3-30	850	280	8
20A	3/4 B	250	80	585	250	80	870	180	50	585	0.08-0.8 0.35-3.5	1.5-15 5-50	910	400	8
25A	1 B	300	100	655	300	100	880	200	62	675	0.1-1 0.6-6	2-20 9-90	600	270	10
32A	1-1/4 B	300	100	670	300	100	930	250	67	705	0.1-1 1-10	2-20 15-150	600	270	11
40A	1-1/2 B	350	100	745	350	100	930	250	70	800	0.2-2 1.5-15	4-40 20-200	500	290	12
50A	2 B	350	120	765	350	120	1020	280	77	835	0.5-5 2.5-25	6-60 40-400	800	340	15
65A	2-1/2 B	400	150	855	400	150	1050	350	87	950	0.8-8 4-40	10-100 60-600	650	260	22
80A	3 B	400	150	895	400	150	1130	400	92	1007	1.2-12 5-50	12-120 80-800	1270	400	25
100A	4 B	450	180	1000	450	180	1240	500	105	1090	2.5-25 9-90	25-250 120-1200	1360	550	43
125A	5 B	450	220	1070	450	220	1310	550	125	1250	4-40 15-150	40-400 200-2000	1600	580	55
150A	6 B	500	240	1195	500	240	1380	600	140	1415	6-60 20-200	60-600 300-3000	2100	560	75

KOMETER



MG Series

Metal Tube Flow meter for High-Pressure and Extreme Temperature

MG Series General Specifications

Size	15A(1/2") ~ 200A(8")
Process Connection	KS/JIS/ASME/DIN Std Flange
Flow Ranges	Water - 0.02 ㎥/h ~ 200 ㎥/h Air - 0.6 N㎥/h ~ 3,000 N㎥/h
Range Ability	10 : 1
Accuracy	±2.0 % F.S (Option ±1.5 % M.V)
Fluid Temperature	Max 150 ℃
Max. Pressure	Max. 10 kgf/㎠.G (Option 20 kgf/㎠.G)

MODEL CODE

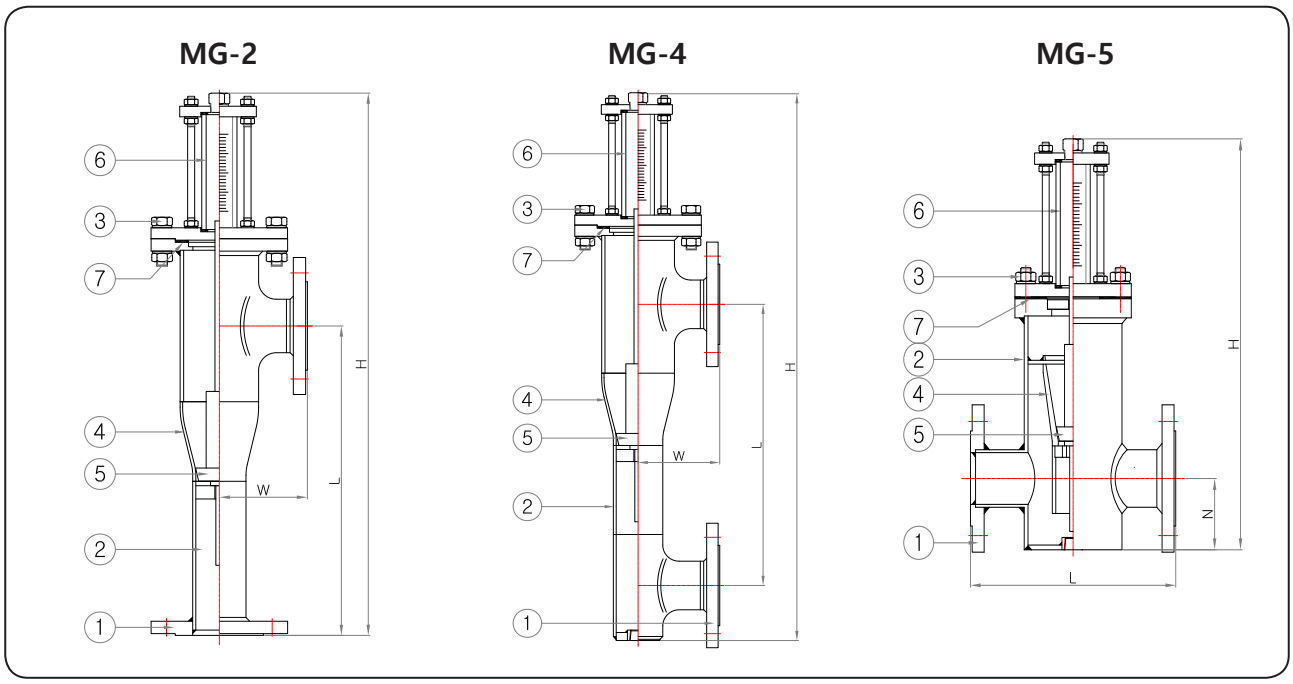
MG	-	□	-	□	Specification
		2			Bottom to Top side
		4			Bottom side to Top side
		5			Side to Side
				A	Alarm Switch

STANDARD MATERIAL

Description	Material		
	A	B	C
Flange, Body	SS400	304SS	316SS(L)
Bolt, Nut	SS400	304SS	
Taper tube, Float	304SS		316SS(L)
Scale	HARD GLASS, ACRYL		
Gasket	EPDM, NON-ASBESTOS, PTFE		

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STRUCTURAL DRAWING



FLOW RANGES & DIMENSIONS

Connector size		Length (mm)									Flow range		Pressure Loss (mmAq)		Weight (kg)
		MC-2			MC-4			MC-5			Water (m^3/h)	Air (Nm^3/h)			
		L	W	H	L	W	H	L	N	H			Water	Air	Metal
15A	1/2 B	250	80	413	250	80	720	150	48	410	0.02-0.2 0.2-2	0.6-6 3-30	850	280	8
20A	3/4 B	250	80	435	250	80	720	180	50	435	0.08-0.8 0.35-3.5	1.5-15 5-50	910	400	8
25A	1 B	300	100	505	300	100	730	200	62	525	0.1-1 0.6-6	2-20 9-90	600	270	10
32A	1-1/4 B	300	100	520	300	100	780	250	67	555	0.1-1 1-10	2-20 15-150	600	270	11
40A	1-1/2 B	350	100	595	350	100	780	250	70	650	0.2-2 1.5-15	4-40 20-200	500	290	12
50A	2 B	350	120	615	350	120	870	280	77	685	0.5-5 2.5-25	6-60 40-400	800	340	15
65A	2-1/2 B	400	150	705	400	150	900	350	87	800	0.8-8 4-40	10-100 60-600	650	260	22
80A	3 B	400	150	745	400	150	980	400	92	857	1.2-12 5-50	12-120 80-800	1270	400	25
100A	4 B	450	180	850	450	180	1090	500	105	940	2.5-25 9-90	25-250 120-1200	1360	550	43
125A	5 B	450	220	920	450	220	1160	550	125	1100	4-40 15-150	40-400 200-2000	1600	580	55
150A	6 B	500	240	1045	500	240	1230	600	140	1265	6-60 20-200	60-600 300-3000	2100	560	75