

STEADY FLOW METER

Model : **SFM300 Series**



DESCRIPTION

DAEHAN SFM300 Series Flow meter is Air, Gas flow measuring station with "Inter Flow Conditioner" designed for industrial process air and gas flow measurement.

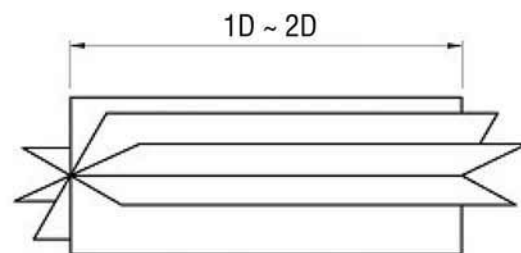
The SFM300 series is ideal for process control applications where high repeatability must be maintained even when there is very little straight run of pipe available.

FLOW CONDITIONER

-Honey Comb Type Conditioner



- Etoile Type Conditioner



REQUIRED STRAIGHT LENGTH

Flow Conditioner Type	Upstream	Downstream
Honey Comb	Unessential	1~3D
Etoile	2~3D	5~6D

SPECIFICATIONS

- Accuracy : $\pm 1.0\%$
- Turn Down Range : 15:1
- Max Temperature : 500 degC
- Repeatability : $\pm 0.1\%$
- Size : 40A to Max 6000mm

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GENERAL

- Maximum Pressure : 30 kg/cm²G
- Fluid : Gas
- Flow Rate : Range Table of Line size
- Range Table of Line size (Air 760mmHgA, 20°C)

Line Size		Flow Range (Nm ³ /h)	Length(mm)	
A	B		Type	
			Etoile	Honey Comb
40	1 1/2	18~90	254	200
50	2	35~175	305	200
65	2 1/2	60~300	305	200
80	3	80~400	356	250
100	4	160~800	406	250
125	5	250~1250	406	250
150	6	350~1700	559	250
200	8	600~2800	660	350
250	10	900~5000	711	350
300	12	1600~7800	762	350
350	14	2000~9500	762	350
400	16	3000~14500	762	450
450	18	4000~19000	762	450
500	20	5000~24000	914	450
550	22	5000~24000	914	450
600	24	6000~30000	1,220	600
650	26	7000~36000	1,220	600
700	28	8000~42000	1,220	600
750	30	9000~48000	1,220	600
800	32	10000~54000	1,220	600
850	34	11000~60000	1,520	600
900	36	12000~69000	1,520	600
950	38	13000~76000	1,520	600
1000	40	15000~85000	1,820	800
1050	42	16000~94000	1,820	800
1100	44	18000~103000	1,820	800
1200	48	21000~120000	1,820	800
1300	52	24000~145000	2,110	800
1400	56	29000~170000	2,110	1,000
1500	60	32000~190000	2,110	1,000
1600	64	37000~220000	2,530	1,000
1700~6000A		*According to operation condition		

※ SFM305Type Can use from above 600A

MATERIAL

- Flow Conditioner : Aluminum, Carbon Steel 304(L)SS, 316(L)SS, etc
- Body : Carbon Steel, 304(L)SS, 316(L)SS Alloy Steel, etc.
- Sensor : 304(L)SS, 316(L)SS, Inconel, Hastelloy, Alloy Steel, etc.

MOUNTING TYPE

- Body : Duct Flange, ASME(ANSI) Flange, etc.
- Sensor : Welded, Screw, Flange, etc

TRANSMITTER

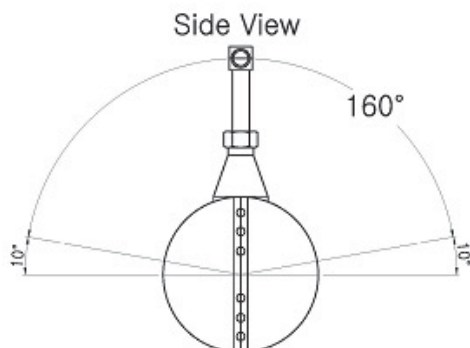
- Connections : 2 Screw terminal block
- Output Signal : 4~20mADC(Limited at 30mADC)
- Loop Resistance : 0~1100Ω

PERFORMANCE at 23 °C

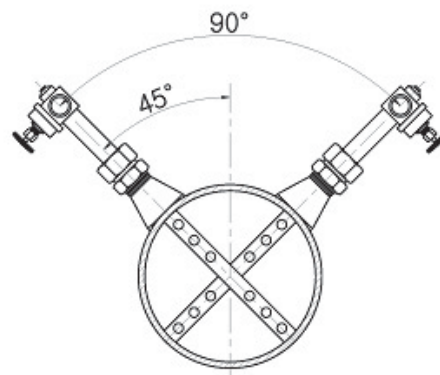
- Zero Output : 4mA(Adjustable)
- Full Span Output : 20mA(Adjustable)
- Operating Temperature : 0~400°C
100°C~over : (Fabricate Type)

■ INSTALLATION INSTRUCTIONS

- Quantity : One



- Quantity : Two

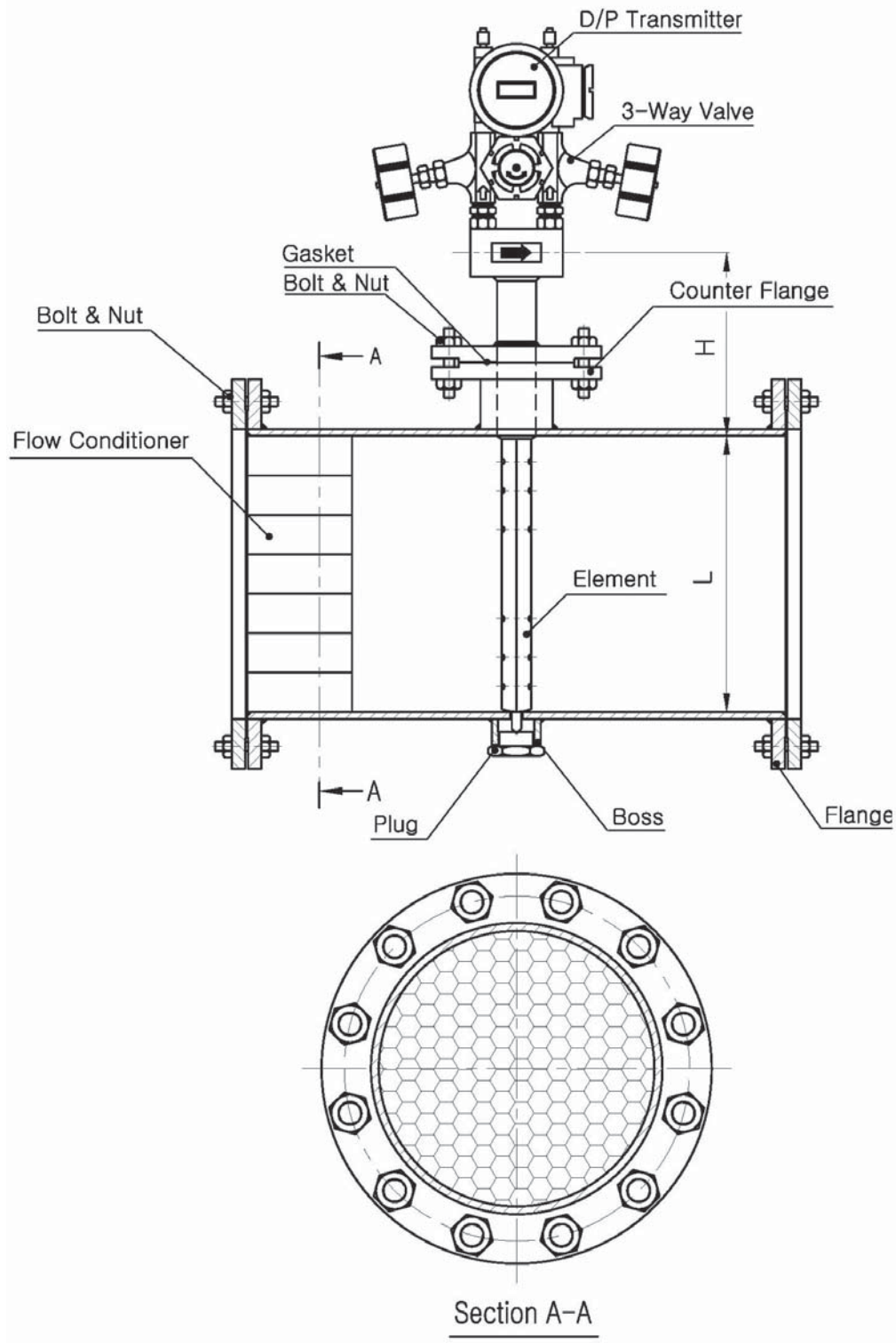


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ASSEMBLY DRAWING

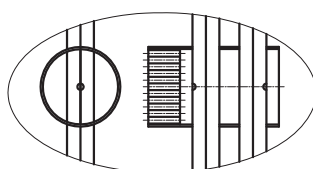
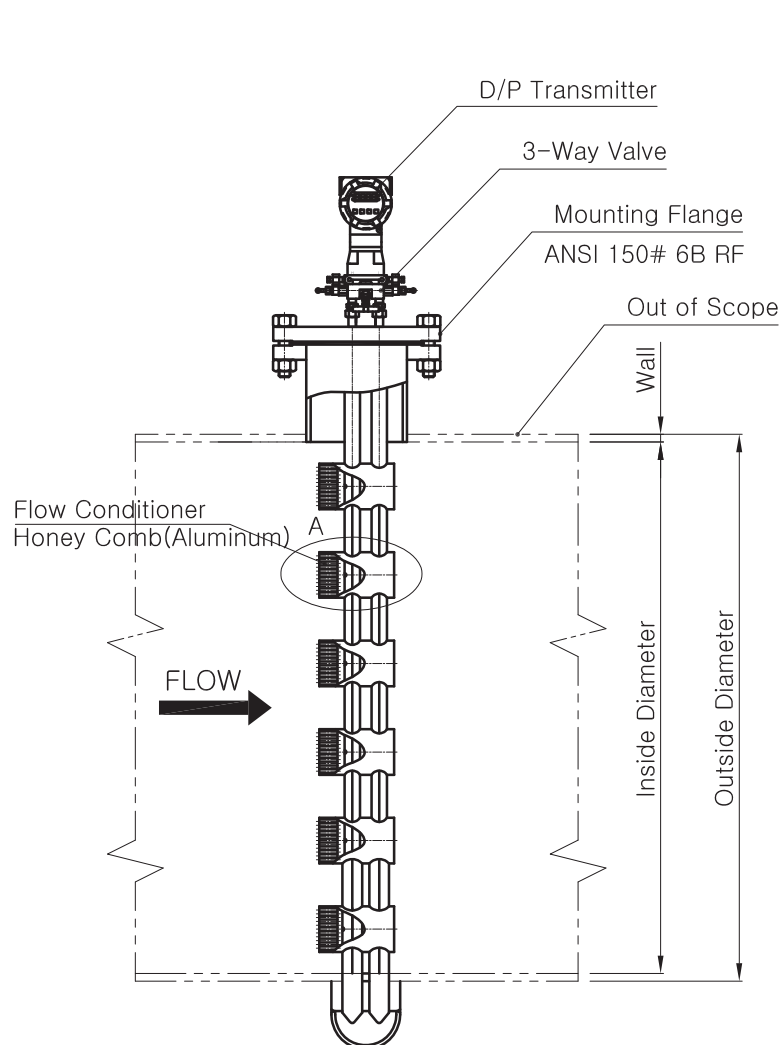


STEADY FLOW METER

Model : SFM305 (Insert Type)



ASSEMBLY DRAWING



Detail A



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MODEL	SUFFIX CODES	DESCRIPTION
Steady Flow Meter	SFM301 - -----	After referring to a form from the Average Pitot Tube, selects
	SFM302 - -----	
	SFM303 - -----	
	SFM304 - -----	
	SFM305 - -----	Insert Type
Average Pitot Tube Quantity	ON -----	Single
	TW -----	Dual
	OP -----	Option
Nominal Pipe(Duct) Size	-----	Pipe size in inch or mm
Body Material	CS -----	Carbon Steel
	4S -----	304SS
	4L -----	304L SS
	6S -----	316SS
	6L -----	316L SS
	OP -----	Option
Mounting Type	BW -----	Butt Weld
	DF -----	Duct Flange
	15 -----	150# Flange
	30 -----	300# Flange
	OP -----	Option
Flow Conditioner Type	H -----	Honey comb
	E -----	Etoile
	O -----	Option
Flow Conditioner Material	A -----	Aluminum
	C -----	Carbon Steel
	S -----	Stainless steel
	O -----	Option
Transmitter	O -----	One Body
	S -----	Separation Type
Option	/	