



DAC Series

Differential Pressure Flow meter
with Wafer Type Connection

■ FEATURE

- Applicable to both gases and liquids
- Can be easily installed and repaired
- Easy to attach or detach within the piping
- Not restricted in terms of fluid flow direction
- Lower installation cost
- Wafer Type

■ APPLICATIONS

- ▶ Chemical and Other Process Industries
- 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 resources

DAC Series General Specifications

Size	10A (3/8") - 500A (20")
Process Connection	Wafer Type
Measured Fluid	Gas and Liquid
Flow Ranges	Water - 0.08 m³/h ~ 2500 m³/h Air - 0.8 Nm³/h ~ 24000 Nm³/h
Range Ability	5 : 1
Accuracy	±2.0 % F.S (Option ±1.0 % F.S)
Fluid Temperature	Max 120 °C
Max. Pressure	Max. 10 kgf/cm².G

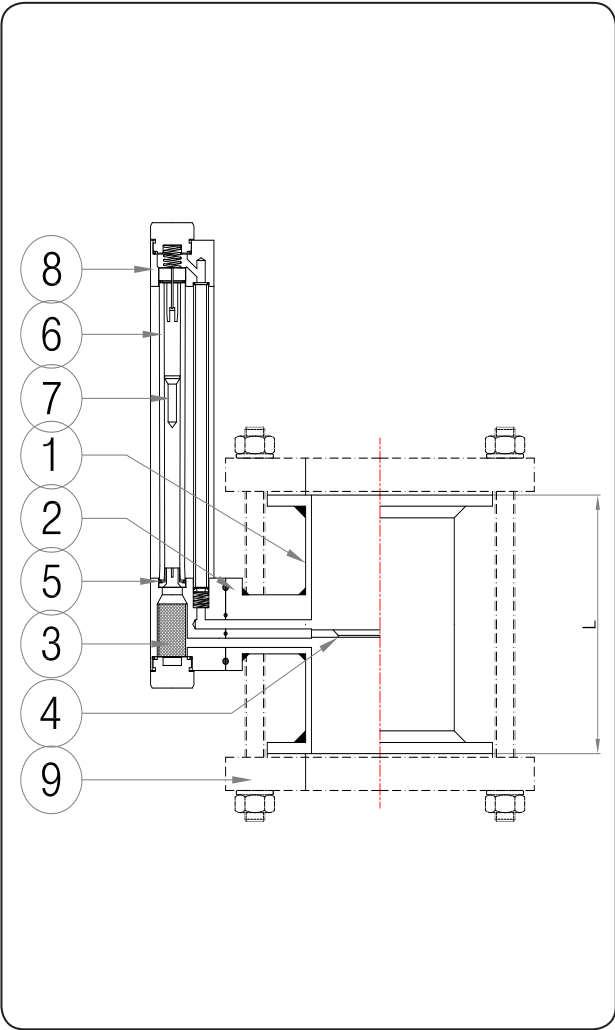
MODEL CODE

D A C	-	□	Specification
		A	Alarm Switch
		C	Connector
		V	By pass Valve

STANDARD MATERIAL

No.	Description	Material		
		A	B	C
1	Body	SS400	304SS	316SS
2	Base socket	BRASS	304SS	316SS
3	Strainer	304SS		316SS
4	Orifice			
5	Packing	NBR, EPDM, SILICON, FKM		
6	Taper tube	PYREX GLASS		
7	Float	304SS, AGATE		316SS
8	Indicator	304SS		316SS
9	Flange (Op.)	SS400	304SS	316SS

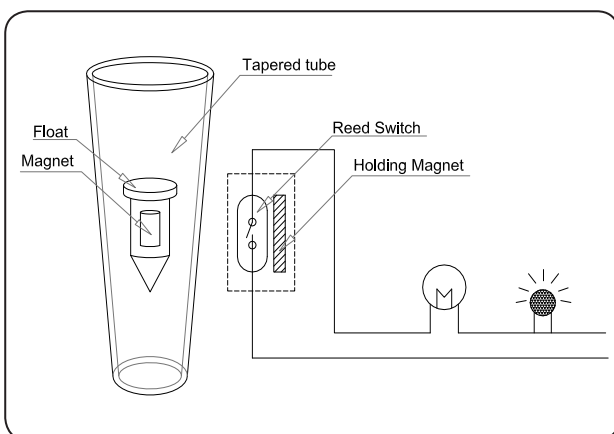
STRUCTURAL DRAWING



■ FLOW RANGE & DIMENSIONS

Connection size		Water (m ³ /h)		Air (Nm ³ /h)		Length (L, mm)
		Flow range	Resolution	Flow range	Resolution	
10A	3/8 B	0.08 - 0.42	0.02	0.8 - 4	0.1	60
15A	1/2 B	0.18 - 0.96	0.02	2 - 9.2	0.2	60
20A	3/4 B	0.45 - 2.4	0.05	5 - 23	0.5	60
25A	1 B	0.8 - 4.2	0.1	8 - 40	1	60
32A	1-1/4 B	1.2 - 6.4	0.2	12 - 60	2	60
40A	1-1/2 B	1.8 - 9.4	0.2	18 - 90	2	60
50A	2 B	3.5 - 18.5	0.5	35 - 175	5	60
65A	2-1/2 B	6 - 32	1	60 - 300	10	70
80A	3 B	8 - 42	1	80 - 400	10	70
100A	4 B	16 - 80	2	160 - 800	20	100
125A	5 B	25 - 125	5	250 - 1250	50	100
150A	6 B	35 - 180	5	350 - 1700	50	100
200A	8 B	60 - 320	10	600 - 2800	50	100
250A	10 B	90 - 480	10	900 - 5000	100	100
300A	12 B	160 - 820	20	1600 - 7800	200	100
350A	14 B	200 - 1000	20	2000 - 9500	200	100
400A	16 B	300 - 1500	50	3000 - 14500	500	100
450A	18 B	400 - 2000	50	4000 - 19000	500	100
500A	20 B	500 - 2500	50	5000 - 24000	500	100

■ ALARM OUTPUT UNIT (REED SWITCH TYPE)



Contact Reed switch	Self holding type
Max. Contact capacity	AC 10 VA DC 10 W
Max. Voltage	AC 125 V DC 100 V
Max. Temperature	-10 °C ~ 60 °C
Cable length	1 m