P-400

Old model P-415

GENERAL

Designed in a corrosion resistant structure of all stainless steel.
Compatible with flange connection as well as panel installation.

MAJOR APPLICATIONS

Corrosion resistant equipments

STANDARD SPECIFICATION

Measuring object		Liquids and gases	
Measuring range	Air	Min. 80~800 NmL/min. Max. 6~60 NL/min.	· Air at 0°C, 1atm · When selecting flow range, refer to standard flow rate table. · In case Op. Press.at gas is not 1atm, refer to page 1.
	Water	Min. 5~50 mL/min. Max. 0.2~2 L/min.	
Range ability		10:1	
Accuracy		±3%F.S.	
Max. Op. Press.		10kgf/cm²G(1.0MPa)	PVC···5kgf/cm²G(0.5MPa)
Max. Op. Temp.		120°C (PVC···60°C)	Standard products have the packing materials made of NBR, so Max. Temp.is 80°C.
Material		Std.	Option(Specify by model code)
	Body	SUS304	SUS316, PVC
	Tapered tube	Pyrex glass	
	Packing	NBR(max80°C)	Viton(max.120°C), CR(max.80°C), PTFE(max.120°C PVC body is not applicable)
	Support	SCS14	PVC
	Cover	Acryl	
Connection	Std.	Rc1/4	Refer to Basic model code for details.
	Opt.	1/4NPT,JIS10KFF etc.	
Mounting	Std.	Lock-nut mount onto panel front	Refer to ordering information for details.
	Opt.	Flange pipe mount, Stand provided etc.	
Weight(std. type)		0.9kg	

ALARM AND ANALOG OUTPUT

Type		Availability	Reference pages
Reed switch type alarm unit	General	×	
	CE, UL Version	×	
PAU Optical alarm unit		×	
Optical alarm unit		×	
Analog output unit		×	

STANDARD FLOW RATE TABLE

(In case Op. Press at gas is not 1atm, refer to page 1.)

AIR(1atm, 0°C)	Water
80 ~ 800 NmL/min	5 ~ 50 mL/min
0.1 ~ 1 NL/min	
0.2 ~ 2 NL/min	10 ~ 100 mL/min
0.3 ~ 3 NL/min	20 ~ 200 mL/min
0.5 ~ 5 NL/min	30 ~ 300 mL/min
1 ~ 10 NL/min	50 ~ 500 mL/min
2 ~ 20 NL/min	0.1 ~ 1 L/min
3 ~ 30 NL/min	0.15 ~ 1.5 L/min
5 ~ 50 NL/min	0.2 ~ 2 L/min
6 ~ 60 NL/min	

May be different depending on the scale length.

OTHER AVAILABLE OPTIONS

You can specify the following options:
Double graduations, special graduations, built-in check valve type, built-in rubber joint type, built-in joint type, etc.
(For details, refer to ⑥ Other Option on page 60).

BASIC MODEL CODE

SERIES NAME / FLOW DIRECTION	VALVE	ALARM ANALOG OUTPUT	BODY MATERIAL	PACKING MATERIAL	CONNECTION TYPE	CONNECTION SIZE	EXAMPLE / DESCRIPTION
P-40	-L	0	-4	N	-R	2	

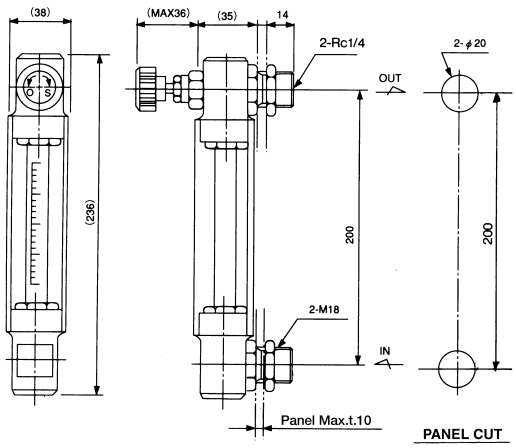
CONNECTION SIZE	1	1/8	
	2	1/4(Standard)	
	3	3/8	In the case of flange connection, connection size is 3/8 and 1/2 or more. Rc1/8, 3/8. 1/2 are provided with male/female sockets.
	4	1/2	
	Z	Special	
CONNECTION TYPE	R	Rc thread(Standard)	Lock-nut mounting onto panel front.
	N	NPT thread	If you want to use any other mounting, select from Mounting Option .
	Z	Special	Specify Z for flange
PACKING MATERIAL	N	NBR(Standard)	
	C	CR	Select it for ammonia gas.
	F	VITON	
	T	PTFE	
	Z	Special	
BODY (GAS) MATERIAL	4	SUS304(Standard)	
	6	SUS316	
	P	PVC	
	Z	Special	
ALARM ANALOG OUTPUT	0	Not provided	
VALVE	0	Not provided	
	L	Bottom(gas for atmospheric pressure scale)	Refer to valve location selection guide (Page 61).
	U	Top(gas for pressure scale or for negative pressure on the secondary side)	
	Z	Special	
FLOW DIRECTION	0	Bottom rear→Top rear(Standard)	Select this code normally.
	1	Bottom→Top	Specify only this code for PVC material. Valve should be installed externally.
	9	Special	

ORDERING INFORMATION

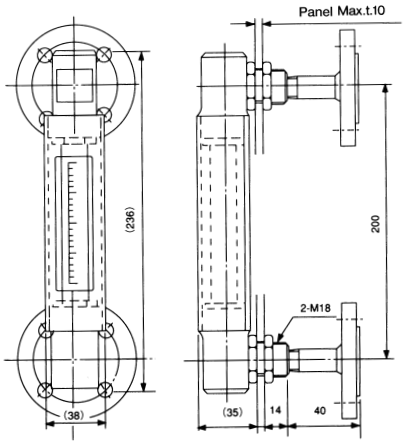
Basic model code	Designation items for detailed specifications
P-40 □-□□-□□-□□	① Fluid name — ② Measuring range — ③ Press. — ④ Temp. — ⑤ Mounting Option — ⑥ Other Option
(Use model code table for selection)	(For specification procedure, refer to page 57)

■ DIMENSIONS

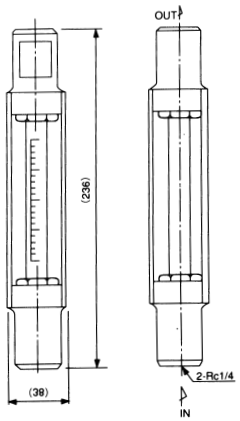
● STANDARD TYPE
(P-400-U0-4N-R2, Valve provided at outlet , Panel front lock-nut fixing)



● FLANGE ENDED TYPE
(P-400-00-4N-Z4, Valve not provided, flange connection)
(Mounting Option code E)



● FLOW DIRECTION STRAIGHT-THROUGH TYPE
P-401-00-4N-R2, Thread connection of bottom to top direction.



● Standard Material

Parts name	Standard material	Available material
Body	SCS14	PVC
Tapered tube	Pyrex glass	
Float	SUS316/Glass	PTFE,Ruby
Packing	NBR	Viton,CR,PTFE
Joint	SUS304	SUS316
Valve	SUS304	SUS316
Cover	Acryl	SPCC,SUS304
Mounting board	SPCC	SUS304

Parts whose names are described in **bold letters** are in contact with fluids to be measured.