

P-620

● Old model P-600-2

GENERAL

Acryl moulded compact version for liquids measurement. Max. 10L/min. range possible even for compact body. Available widely as flow switch. Easy In-line maintenance possible without removing from instrument panel.

MAJOR APPLICATIONS

Cooling water lines at semiconductor production equipments

STANDARD SPECIFICATION

Measuring object	Liquids	
Measuring range	Water	Min. 0.1~1 L/min. Max. 1~10 L/min.
Range ability	10:1	
Accuracy	±10%F.S.	
Max. Op. Press.	10kgf/cm ² G(1.0MPa)	
Max. Op. Temp.	60°C	
Material	Std.	Option
	Body	Acryl
	Tapered tube	Acryl
	Packing	NBR
Fittng	C3604	SUS304,SUS316
	Std.	Rc3/8
Connection	Opt.	3/8SW NPT3/8 etc.
Mounting	Std.	Thread mount onto panel front
Weight (std. type)	0.3kg	



ALARM AND ANALOG OUTPUT

Type	Availability	Reference pages
Reed switch type alarm unit	General	○ 49, 50 page
	CE, UL Version	△ 49, 50 page
PAU Optical alarm unit	×	
Optical alarm unit	×	
Analog output unit	×	

STANDARD FLOW RATE TABLE

In case alarm analog output code is 0		In case alarm analog output code is A to D		
AIR(1atm, 0°C)		Water		Alarm setting range
	0.1~1 L/min	0.1~1 L/min ^{*1}	0.2~0.8 L/min	
		0.4~1.2 L/min	0.5~1 L/min	
	0.2~2 L/min	0.2~2 L/min	0.4~1.6 L/min	
		0.3~3 L/min	1~1.8 L/min ^{*2}	
	0.5~5 L/min	0.5~5 L/min	2~4 L/min	
		0.6~6 L/min	0.6~6 L/min	2~4.8 L/min
	0.8~8 L/min	0.8~8 L/min	2~6.4 L/min	
		1~10 L/min	1~10 L/min	2~8 L/min

*1 Produce in case model code is P620-U□-4N-R3.
Dimensions are different. Consult factory for details.
*2 Available from 0.75L/min for connection standard "SW".

OTHER AVAILABLE OPTIONS

You can specify the following options:
Two point alarm, Variable type on the front of alarm contact, reed switch lead wire length, double graduations, special graduation, 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	VALVE	ALARM ANALOG OUTPUT	BODY MATERIAL	PACKING MATERIAL	CONNECTION TYPE	CONNECTION SIZE	EXAMPLE	DESCRIPTION
P-620	U	0	B	N	H	3		
	U	ALARM ANALOG OUTPUT	BODY MATERIAL	PACKING MATERIAL	CONNECTION TYPE	CONNECTION SIZE		
			N	NBR(Standard)	R	3		
			C	CR	Z	3/8		
			F	Viton	R			
			Z	Special	N			
			B	C3604 (Standard)	S			
			4	SUS304	SW			
			6	SUS316	Z			
			Z	Special				
			0	Not provided				
			A	Reed switch alarm (LO)				Refer to page 49, 50.
			B	Reed switch alarm (LC)				
			C	Reed switch alarm (HO)				
			D	Reed switch alarm (HC)				
			Z	Special				
			0	Not provided				
			U	Top				
			Z	Special				

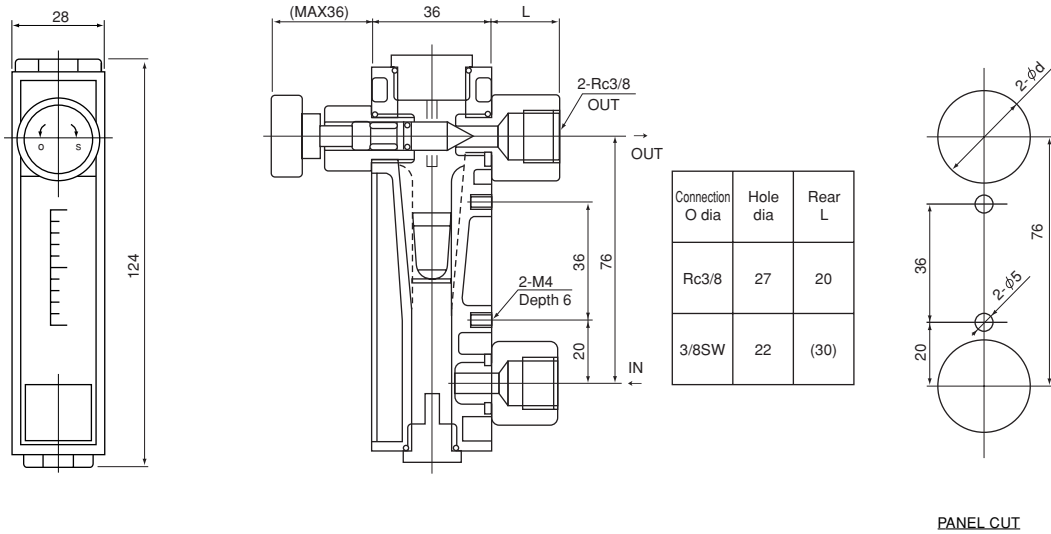
ORDERING INFORMATION

Basic model code	Designation items for detailed specifications					
P-620-□□-□□-□□	①	②	③	④	⑤	⑥
(Use model code table for selection)	Fluid name	Measuring range	Press.	Temp.	Mounting Option	Other Option
	(For specification procedure, refer to page 57)					

DIMENSIONS

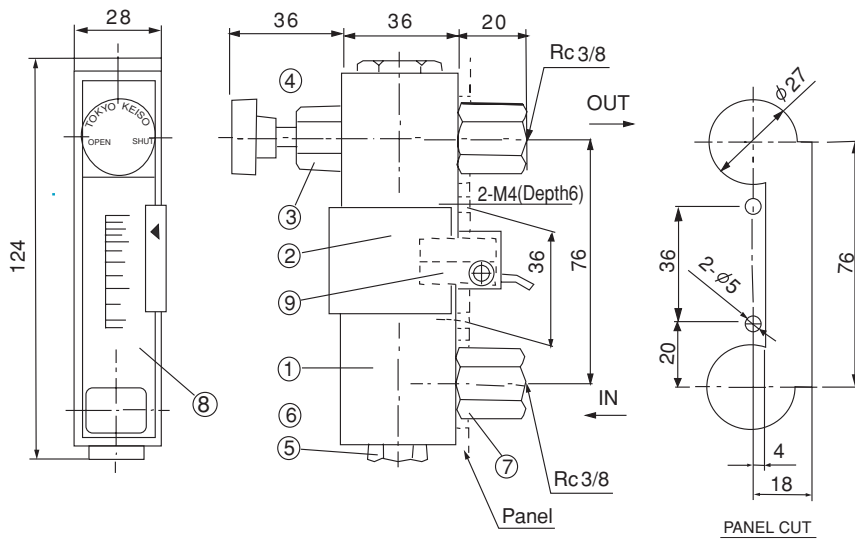
● STANDARD TYPE

(P-620-U0-BN-R3 Valve provided at Outlet, Panel front screw fixing)



● P-620-U□-□□-R3

Dimensions are different in case of the flow range of 0.1~1L/min.
Consult factory for details.



Caution: Use non-magnetize material for mounting panel.

● Standard Material

Parts name	Standard material	Available material
Body, tapered tube	Acryl	—
Packing	NBR	Viton, CR
Float	SUS304	SUS316
Cap	C3604	SUS304, SUS316
Valve body	C3604	SUS304, SUS316
Valve needle	SUS304	SUS316
Fitting	C3604	SUS304, SUS316
Graduation board	Acryl	—

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

● In case alarm output code is A to D

A	Reed switch alarm (LO)	Refer to page 49, 50.
B	Reed switch alarm (LC)	
C	Reed switch alarm (HO)	
D	Reed switch alarm (HC)	