

OUTLINE

The P-620 is a compact, acryl-mold type purgometer for measuring liquids of up to 10 L/min. The P-620 is widely used as a flow switch and features easy in-line maintenance. It does not need removing from the instrument panel.

MAJOR APPLICATIONS

Cooling water lines for semiconductor production equipment

STANDARD SPECIFICATIONS

Measuring fluid	Liquid (Water-equivalent: Dens. 1.0 g/cm ³ , Visc. 1.0 mPa·s)	
Measuring range	Water	Min. 0.2 to 2 L/min (0.4 to 1.2 L/min with alarm output) Max. 1 to 10 L/min
	* When selecting a flow range, refer to the standard flow rate table.	
Range ability	Standard (10 : 1)	
Indication accuracy	±10% F.S.	
Fluid pressure	Max. 1 MPa	
Fluid temperature	Max. 60°C	
Material	Wetted parts	Acryl
	Tapered tube	Acryl
	Gasket	Nitrile rubber (NBR) Chloroprene rubber (CR) Fluoro rubber
	Fitting	C3604, SUS304, SUS316
Process Connection	Rc : 3/8" (Standard) NPT : 3/8" SW : 3/8"	
Mounting	Screw mount on the panel front (Standard)	
Mass	approx. 0.3 kg	

ALARM CONTACT AND OUTPUT

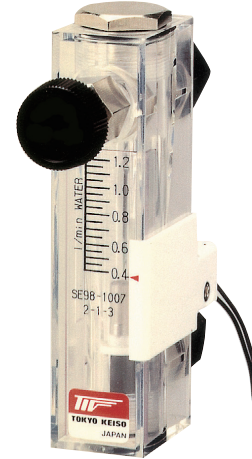
Type	Availability	
Reed switch type alarm unit	General	○
	UL-approved	○
PAU optical alarm unit	×	

For CE approval, refer to "Index & Quick Reference for P Series Purgometers" (TG-S0001).

STANDARD FLOW RATE TABLE

For alarm output code of 0	For alarm output codes of A to D	
Water	Water	Alarm setting range
	0.4 to 1.2 L/min	0.5 to 1 L/min
0.2 to 2 L/min	0.2 to 2 L/min	0.4 to 1.6 L/min
0.3 to 3 L/min	0.3 to 3 L/min	1 to 2.4 L/min*1
0.5 to 5 L/min	0.5 to 5 L/min	2 to 4 L/min
0.6 to 6 L/min	0.6 to 6 L/min	2 to 4.8 L/min
0.8 to 8 L/min	0.8 to 8 L/min	2 to 6.4 L/min
1 to 10 L/min	1 to 10 L/min	2 to 8 L/min

*1 Min. 0.75 L/min for the SW connection



BASIC MODEL CODE

Model Code		Descriptions	Notes
P-620	- □ □ - □ □ - □ □ □		
Valve	- 0	Not provided	
	- U	Outlet	
	- Z	Special	
Alarm output	0	Not provided	Refer to "Index & Quick Reference for P Series Purgometers" (TG-S0001).
	A	Reed switch (LO)	
	B	Reed switch (LC)	
	C	Reed switch (HO)	
	D	Reed switch (HC)	
Wetted parts material	- B	C3604 (Standard)	
	- 4	SUS304	
	- 6	SUS316	
	- Z	Special	
Gasket material	N	Nitrile rubber (NBR) (Standard)	
	C	Chloroprene rubber (CR)	
	F	Fluoro rubber	
	Z	Special	
Process connection type	- R	Rc (Standard)	
	- N	NPT female	
	- S	SW	
	- Z	Special	
Process connection size	3	3/8" (Standard)	
	Z	Special	

OTHER AVAILABLE OPTIONS

You can specify the following options:
Alarm setting on the front face, length of reed switch lead wire, double graduations, special graduations, built-in rubber joint type, built-in joint type, etc.
(For details, refer to "Index & Quick Reference for P Series Purgometers" (TG-S0001)).

ORDERING INFORMATION

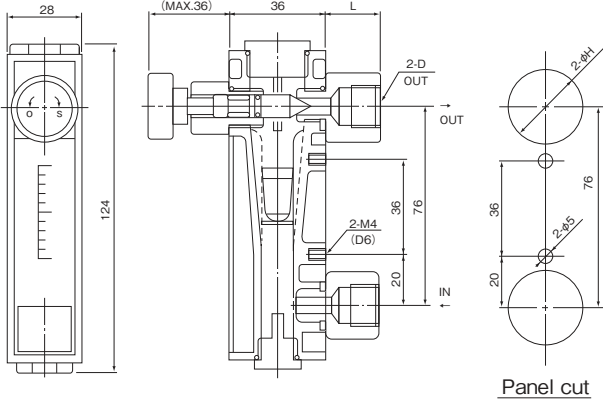
Basic model code	Items to be specified
P -620- □□ - □□ - □□	① Fluid name - ② Flow range - ③ Press. - ④ Temp. - ⑤ Mounting option - ⑥ Other options
(Select in the model code table.)	(Refer to "Index & Quick Reference for P Series Purgemeters" (TG-S0001).)

DIMENSIONS

● Standard type

P - 620 - U0 - □ N - □□

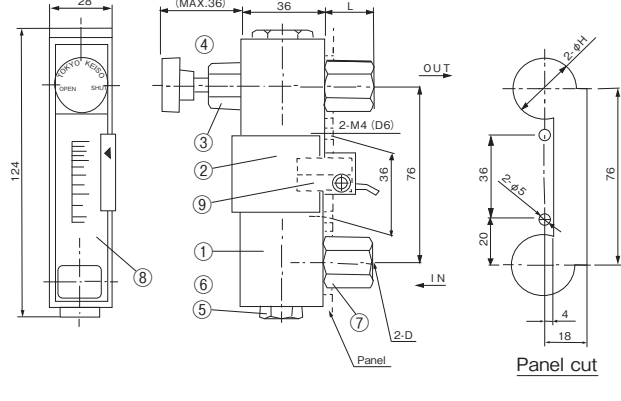
- Screw mounting on the panel front
- Valve at the outlet



● Reed switch alarm type

P - 620 - U □ - □□ - □□

- Screw mounting on the panel front
- Valve at the outlet



● Panel cut dimension

Connection size	Diameter (mm)	Rear (mm)
D	H	L
Rc3/8	27	20
3/8NPT	27	20
3/8SW	22	(30)

Note: Use non-magnetic material for the panel when the alarm output code is one of A to D.

● Standard material

Parts name	Standard material	Available material
Body, Tapered tube	○ Acryl	—
Gasket	○ Nitrile rubber (NBR)	Fluoro rubber, Chloroprene rubber (CR)
Float *	○ SUS304, SUS316, PVC	—
Cap	○ C3604	SUS304, SUS316
Valve body	○ C3604	SUS304, SUS316
Valve needle	○ SUS304	SUS316
Fitting	○ C3604	SUS304, SUS316
Scale plate	Acryl	—

Parts marked "○" come in contact with the measuring fluid.
 * We will select a proper material for your application.
 · SUS316 may be used instead of SUS304 due to production reasons.
 · ASTM or AISI materials equivalent to JIS materials may be used due to production reasons.

* Specification is subject to change without notice.

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