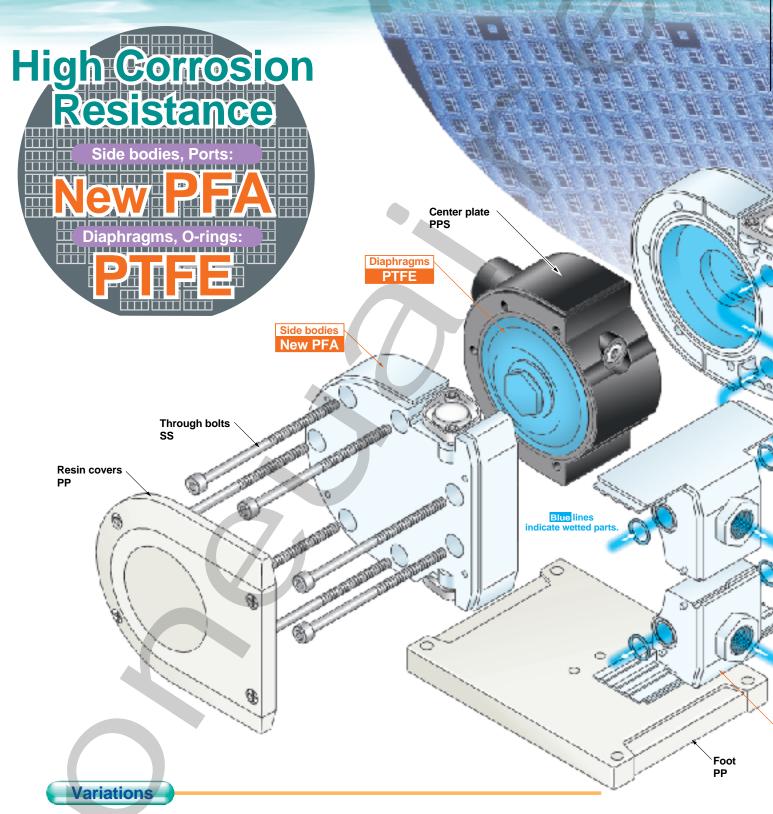


With the use of New PF high corrosion resis



Model		Body material	Diaphragm material	Assembly environment	Discharge flow rate (I /min)	Option
Automotive operation	PA3310	New PFA	PTFE	Standard	- 1 to 13*	• Foot • Silencer
	PAP3310			Clean room		
Air pilot actuation	PA3313			Standard	0.1 to 9	• Foot
	PAP3313			Clean room		

* With 3/8" inlet/outlet tube: 1 to 12





A for main wetted parts, stance is achieved!

Clean

You can order your process pump assembled in a Clean room environment and double-packaged (Order number PAP331m). Side bodies and ports are molded to achieve a great reduction in dust generation.

Long service life

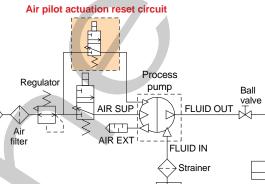
Diaphragm are made from denatured PTFE for superior resistance and longer service life.

Air pilot actuation reset is now a standard feature.

When the pump is used in an environment where manual reset is not possible, designing a circuit as the one shown below allows the use of air pressure for reset

purposes.

With the use of an air pilot actuation reset circuit, resetting can be done by releasing the air pressure after supplying it to the reset port.



Compact & Light weight (Without foot)





Ports New PFA

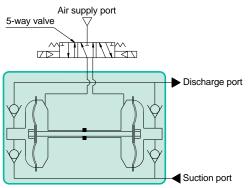
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Air pilot actuation is standard.

External switching valve control makes constant cycling possible.

- Discharge rate is easily controlled. The flow rate can be easily adjusted by the number of ON/OFF cycles of the external solenoid valve.
- Stable operation is possible in spite of such conditions as a minimal flow rate, low pressure operation, or the entrainment of gasses.
- Can be used for repetitive stopping during operation.









Nil

Ρ

Standard



Series PA3000

How to Order 3310 PA 03 Assembly environment Clean room Body material 3 Fluororesin

P11N*

P11T*

P13F*

P13N*

P13

Diaphragm material 1 PTFE

Operation type

0 Automatically operated type 3 Air pilot actuation type

Option							
Nil Body only		1000	100				
	B With foot						
	N* With silencer (for automatic operation type only)			·in			
With silencer AN200-02 for AIR EXH. AN200-N02 for NPT.							
	Connection	size at main fluid side	Connection size at air side				
03	Rc 3/8		Rc 1/4 thread	PA331n			
F03*	G 3/8		G 1/4 thread	(Standard assembly)			
N03*	NPT 3/8		NPT 1/4 thread	PAP331n			
T03*	NPTF 3/8	3	NPTF 1/4 thread	(Clean-room assembly)			
P11	3/8" inlet/outlet tube		Rc 1/4 thread				
P11F*	3/8" inlet/outlet tube		G 1/4 thread				

NPT 1/4 thread

Rc 1/4 thread

G 1/4 thread

NPT 1/4 thread

NPTF 1/4 thread

NPTF 1/4 thread

PAP331n (Clean-room assembly)

Cnoc	ificationa
Spec	incations

P13T* 1/2" inlet/outlet tube

Port sizes marked "*" are optional.

3/8" inlet/outlet tube

3/8" inlet/outlet tube

1/2" inlet/outlet tube

1/2" inlet/outlet tube

1/2" inlet/outlet tube

-					
Operation	type		Automatically operated type	Air pilot actuation type	
Fluid			IPA, DI water, Methyl ethyl ketone, Hypochlorous acid soda		
Port size	Main fluid suction/	PA	Rc, G, NPT, NPTF 3/8 female thread		
	discharge port	PAP	Rc, G, NPT, NPTF 3/8 female thread, 3/8", 1/2" inlet/outlet		
	Pilot air suction/discharge port		Rc, G, NPT, NPTF 1/4		
Wetted parts			New PFA		
Material	Diaphragm		PT <mark>FE</mark>		
	Check valve		New PFA, PTFE		
Discharge	e rate		1 to 13 I /min ^{Note)}	0.1 to 9 1 /min	
Average d	discharge pressure	•	0 to 0.4MPa		
Pilot air c	Pilot air consumption		Maximum 14 <mark>0I/min (ANR)</mark>		
Custion lit	Suction lifting range Dry Wet		0.5m		
Suction			4 <mark>m</mark>		
Fluid tem	perature		0° to 100°C (with no freezing or heat cycle)		
Ambient t	emperature		0° to 100°C (with no freezing or heat cycle)		
Pilot air p	ressure		0.2 to 0.5MPa		
Proof pres	ssure		0.75 <mark>MPa</mark>		
Mounting orientation		Horizontal (with mounting hole on the bottom)			
Weight			2.1kg (without foot)		
Assembli	ng PA: Standard		Assembled and packaged in a standard environment		
environm			Assembled and double-packaged in clean-room environment		

Note) With 3/8" inlet/outlet tube: 1 to 12

* The values appearing in the above table are representative of use in a room temperature environment and with tap water.







Series PA3000





Series PA3000



Dimensions

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