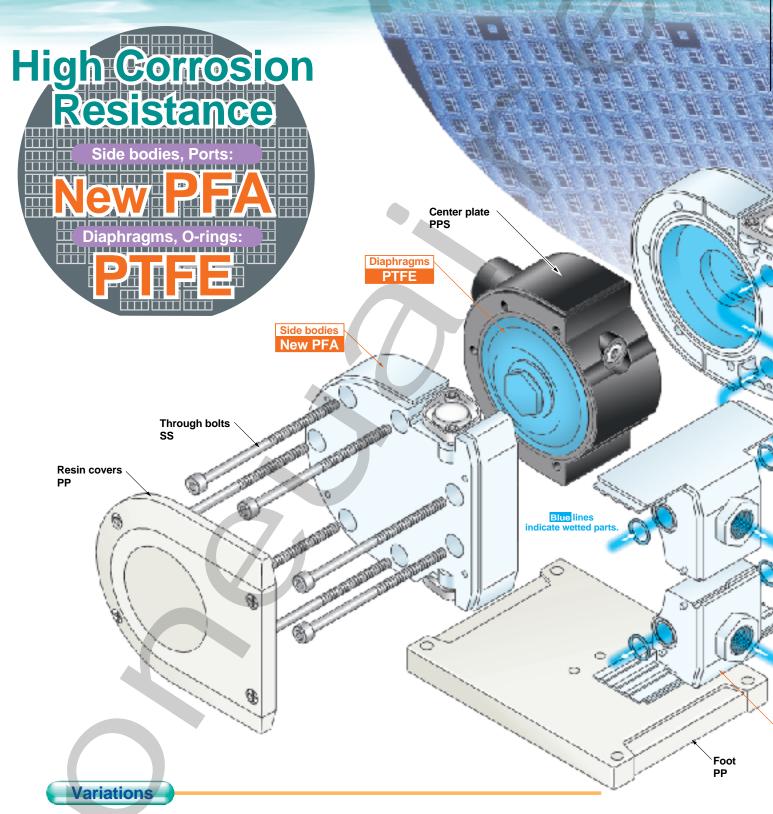


# With the use of New PF high corrosion resis



Model		Body material	Diaphragm material	Assembly environment	Discharge flow rate ( <b>I</b> /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

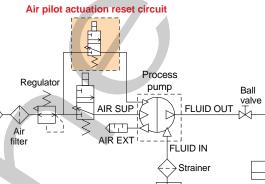
Diaphragm are made from denatured PTFE for superior resistance and longer service life.

# 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

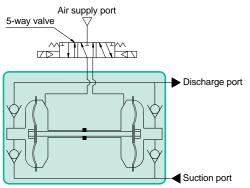
<sup>E</sup>UIDOU

0

## 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 <b>I</b> /min <sup>Note)</sup>	0.1 to 9 <b>1</b> /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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