

Related Products:

Process pump High purity fluoropolymer type **Series PA3000**

New PFA is adopted in the wetted parts! High corrosion resistance is achieved.

Cleanliness

Assembled in a **clean room** and duplex-packed. (PAP331□) Besides, sidebody and port are made of **molded piece**, that has enabled to generate lower particulate.

Long service life

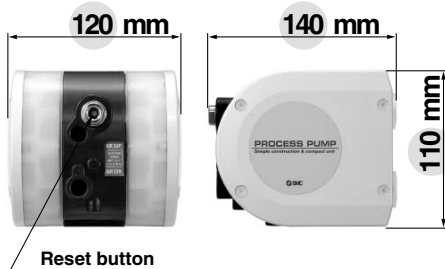
Durability has been improved by adopting the **denaturated PTFE** for the diaphragm. Long service life has been realized.

Air-operated reset is provided as standard.

For areas where it is not possible to manually operate the reset button of pump. For this type of circuit it is made to be reset by air pressure.

Compact, lightweight

(Without foot)

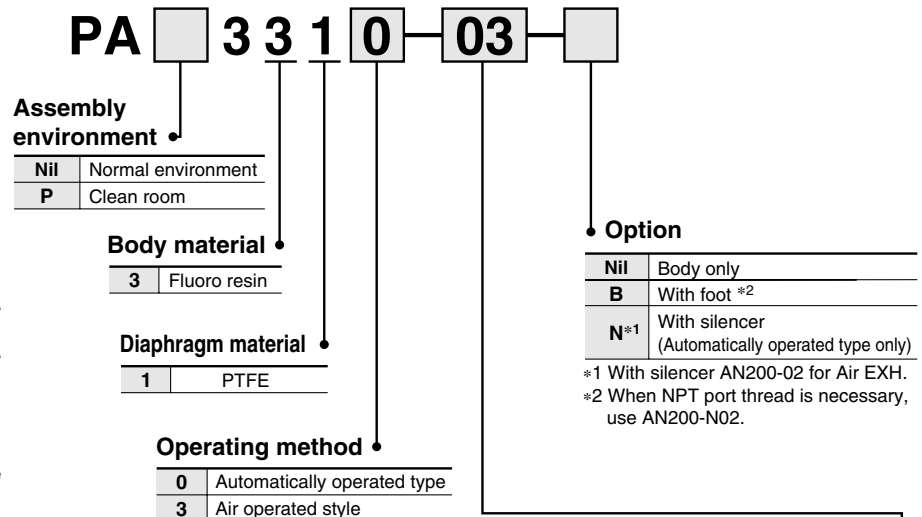


Weight: **2.1 kg**

Air operated type is also standardized.

It is possible to operate by the switching valve control installed externally.

How to Order



| | Port size on the side of main fluid | Connection size in the side of air | Connection size |
|-------|-------------------------------------|------------------------------------|---|
| 03 | Rc 3/8 | Rc 1/4 Threads | PA331 □ (Assembled in normal environment) |
| F03* | G 3/8 | G 1/4 Threads | |
| N03* | NPT 3/8 | NPT 1/4 Threads | |
| T03* | NPTF 3/8 | NPTF 1/4 Threads | |
| P11 | 3/8" tubing | Rc 1/4 Threads | PAP331 □ (Assembled in clean room) |
| P11F* | 3/8" tubing | G 1/4 Threads | |
| P11N* | 3/8" tubing | NPT 1/4 Threads | |
| P11T* | 3/8" tubing | NPTF 1/4 Threads | |
| P13 | 1/2" tubing | Rc 1/4 Threads | |
| P13F* | 1/2" tubing | G 1/4 Threads | |
| P13N* | 1/2" tubing | NPT 1/4 Threads | |
| P13T* | 1/2" tubing | NPTF 1/4 Threads | |

* Option

Related Products:



Specifications

| | | | |
|--------------------------------|------------------------------------|---|---|
| Operating method | | Automatically operated type | Air operated type |
| Applicable fluids | | IPA/Pure water/ Methyl ethyl ketone/ Sodium hypochlorite | |
| Port size | Main fluid suction/ discharge port | PA | Rc, G, NPT, NPTF 3/8 female thread |
| | | PAP | Rc, G, NPT, NPTF 3/8 female thread, 3/8", 1/2" tubing |
| Pilot air supply/ exhaust port | | Rc, G, NPT, NPTF 1/4 | |
| Material | Body wetted areas | New PFA | |
| | Diaphragm | PTFE | |
| | Check valve | New PFA, PTFE | |
| Discharge rate | | 1 to 13 ℓ/min ⁽¹⁾ | 0.1 to 9 ℓ/min |
| Average discharging pressure | | 0 to 0.4 MPa | |
| Pilot air consumption volume | | Max. 140 ℓ/min (ANR) | |
| Suction lift | Dry | 0.5 m | |
| | Wet | 4 m | |
| Operating fluid temperature | | 0 to 100°C (Not be frozen. Do not apply heat cycle.) | |
| Ambient temperature | | 0 to 100°C (Not be frozen. Do not apply heat cycle.) | |
| Pilot air pressure | | 0.2 to 0.5 MPa | |
| pressure | | 0.75 MPa | |
| Mounting orientation | | Horizontal (with mounting hole at bottom) | |
| Weight | | 2.1 kg (without foot) | |
| Assembly environment | PA: Normal environment | Assembled and shipped under the normal environment | |
| | PAP: Clean room | Assembled in a clean room, shipped and packed in a duplicate clean package. | |



Note 1) 1 to 12 ℓ for 3/8" tubing type.

Note 2) The above values are for a normal temperature and using clean water.



Refer to the separate pamphlet P-E00-5A for further details.

VC

VDW

VQ

VX2

VX

VX3

VXA

VN

LVC

LVA

L VH

LVD

LVQ

LQ

LVN

TI/
TIL

PA

PAX

PB