

● Series PA3000/5000

1. Products Complying with ATEX

56-PA 3 1 1 0 - 03 -

Products complying with the ATEX Directive

56 Products complying with the ATEX Directive, Category 3

Body size

Symbol	Body size
3	3/8
5	1/2

Wetted body material

Symbol	Body material
1	ADC12 (Aluminum)
2	SCS14 (Stainless steel)

Actuation

Symbol	Actuation
0	Automatic operation
3	Air operated

Option

Symbol	Option	Operating method applied	
NII	None	Automatic operation	Air operated
N	With silencer	●	—

Diaphragm material

Symbol	Diaphragm material	Operating method	
		Automatically operated	Air operated
1	PTFE	●	●
2	NBR	●	—

Thread type

Symbol	Type
NII	Rc
N	NPT
F	G
T	NPTF

Port size

Symbol	Port size	Applicable model	
		PA3000	PA5000
03	3/8"	●	—
04	1/2"	—	●
06	3/4"	—	●

* Dimensions are the same as those of the standard products.

2. With Air Operated Reset Port

PA 3 1 1 0 - 03 - X2

Body size

Symbol	Body size
3	3/8
5	1/2

Wetted body material

Symbol	Body material
1	ADC12 (Aluminum)
2	SCS14 (Stainless steel)

Diaphragm material

Symbol	Diaphragm material
1	PTFE
2	NBR

Thread type

Symbol	Type
NII	Rc
N	NPT
F	G
T	NPTF

Option

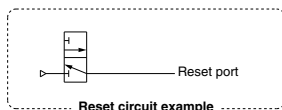
Symbol	Option
NII	None
N	With silencer

Port size

Symbol	Port size	Applicable model	
		PA3000	PA5000
03	3/8"	●	—
04	1/2"	—	●
06	3/4"	—	●

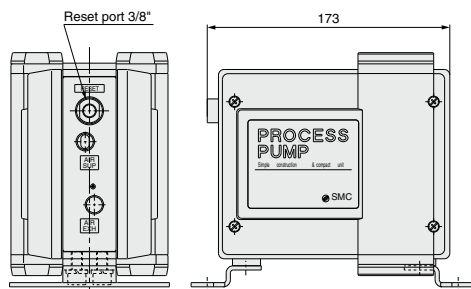
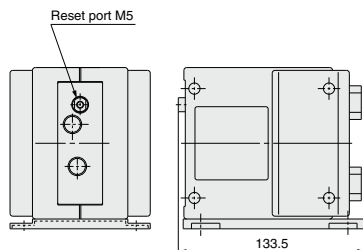
Made to order specifications

X2 With air operated reset port



PA3□□0

PA5□□0



3. With Operating Cycle Counting Port

PA 3 1 1 0 - 03 - X8

Body size

Symbol	Body size
3	3/8
5	1/2

Wetted body material

Symbol	Body material
1	ADC12 (Aluminum)
2	SCS14 (Stainless steel)

Thread type

Symbol	Type
Nil	Rc
N	NPT
F	G
T	NPTF

Diaphragm material

Symbol	Diaphragm material
1	PTFE
2	NBR

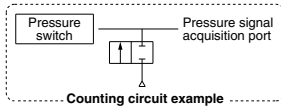
Option

Symbol	Option
Nil	None
N	With silencer

Made to order specifications
X8 With operating cycle counting port

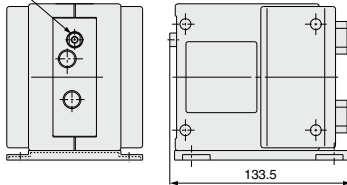
Port size

Symbol	Port size	Applicable model	
		PA3000	PA5000
03	3/8"	●	—
04	1/2"	—	●
06	3/4"	—	●



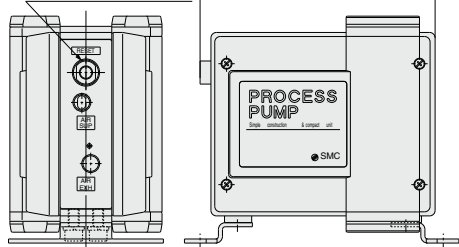
PA3□□0

Pressure signal acquisition port M5



PA5□□0

Pressure signal acquisition port M5



● Series PB1000

1. Wetted Part Seal SF7000 Specification

PB1013 - 01 - X16

Actuation

Symbol	Actuation
3	Air operated

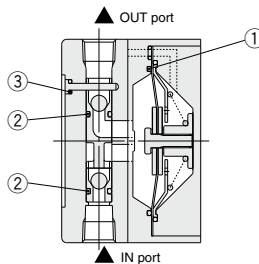
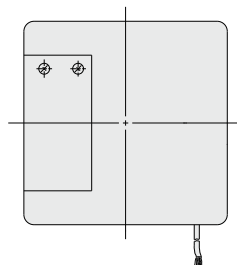
Thread type

Symbol	Type
Nil	Rc
N	NPT
F	G
T	NPTF

Option

Symbol	Option
Nil	None
N	With foot

Made to order specifications
X16 Wetted part seal SF7000 specification



①-③: O-ring (SF7000)

2. Wetted Part Fluororesin Specification

Female thread

PB10 1 3 - □ 01 - X17



Diaphragm material

Symbol	Diaphragm material
1	PTFE

Actuation

Symbol	Actuation
3	Air operated

Thread type

Symbol	Type
Nil	Rc
N	NPT
F	G

Made to order specifications

X17	Wetted part fluororesin specification
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Port size

Symbol	Port size
01	1/8"

Tube extension

PB10 1 3 - P 07 □ - X17



Diaphragm material

Symbol	Diaphragm material
1	PTFE

Actuation

Symbol	Actuation
3	Air operated

Tube size

Symbol	Connection size at main fluid side
07	1/4"

Made to order specifications

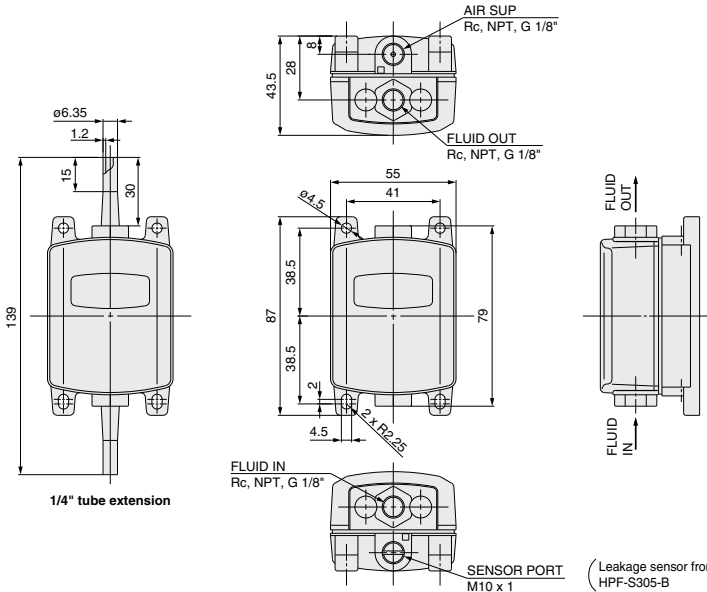
X17	Wetted part fluororesin specification
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Thread type

Symbol	Type
Nil	Rc
N	NPT
F	G

Specifications

Model		PB1013-□-X17
Operating method		Air operated
Port size	Main fluid suction/discharge port	Rc, NPT, G 1/8" Female thread, 1/4" Tube extension
	Pilot air supply/exhaust port	Rc, NPT, G 1/8" Female thread
Amount of discharge		5 to 1000 L/min
Pilot air pressure		0.2 to 0.5 MPa
Suction head		Suction head (for both dry and wet)
Withstand pressure		0.75 MPa
Fluid temperature		0 to 50°C (No freezing or temperature change)
Ambient temperature		0 to 50°C (No freezing or temperature change)
Mounting orientation		Mount with the FLUID OUT side facing up
Packaging		Clean double packaging



(Leakage sensor from Yamatake (can be retrofit)
HPF-S305-B

Maintenance Parts List

Series PA3000, 5000

Description	Series PA3000			Series PA5000		
	PA3□10	PA3□20	PA3□13	PA5□10	PA5□20	PA5□13
Diaphragm kit	KT-PA3-31	KT-PA3-32	KT-PA3-31	KT-PA5-31	KT-PA5-32	KT-PA5-31
Check valve kit	KT-PA3-36			KT-PA5-36		
Switching valve assembly kit	KT-PA3-37□		—	—		
Switching valve parts kit	—			KT-PA5-37		—
Pilot valve kit	KT-PA5-38		—	KT-PA5-38		—
Manual cap assembly kit	KT-PA3-45		—	KT-PA5-45		—

Series PAP3000

Description	Series PAP3000			
	PAP3310	PAP3313	PAP3310	PAP3313
Diaphragm kit	KT-PA3-531		KT-PAP3-531	
Check valve kit	KT-PA3-536#1		KT-PAP3-536#1	
Pilot valve kit	KT-PA3-538	—	KT-PA3-538	—
Manual cap kit	KT-PA3-545□	—	KT-PA3-545□	—
Foot kit	KT-PA3-40		KT-PAP3-40	

Series PAX1000

Description	Series PAX1000
	PAX1□12
Diaphragm kit	KT-PAX1-31
Check valve kit	KT-PAX1-36
Switching valve parts kit	KT-PAX1-37#1
Pilot valve kit	KT-PA5-38
Pulsation attenuator control valve kit	KT-PAX1-39

Series PB1000

Description	Series PB1000	
	PB1011	PB1013
Diaphragm kit	KT-PB1-2	
Check valve kit	KT-PB1-1	
Switching valve parts kit	VJ314MY-5H	—
Foot kit	KT-PB1-3	
Packing kit	KT-PB1-4	

Series PAF3000, 5000

Description	Series PAF3000		Series PAF5000	
	PAF3410	PAF3413	PAF5410	PAF5413
Diaphragm kit	KT-PAF3-31		KT-PAF5-31	
Check valve kit	KT-PAF3-36		KT-PAF5-36	
Switching valve kit	KT-PAF3-37□	—	KT-PAF5-37□	—
Pilot valve kit	KT-PAF3-38	—	KT-PAF5-38	—
Foot kit	KT-PAF3-40		—	
Leakage sensor	KT-PAF3-47		KT-PAF5-47	
Stroke sensor	—	KT-PAF3-48	—	KT-PAF5-48

PA

PAP

PAX

PB

PAF

PA□
PB