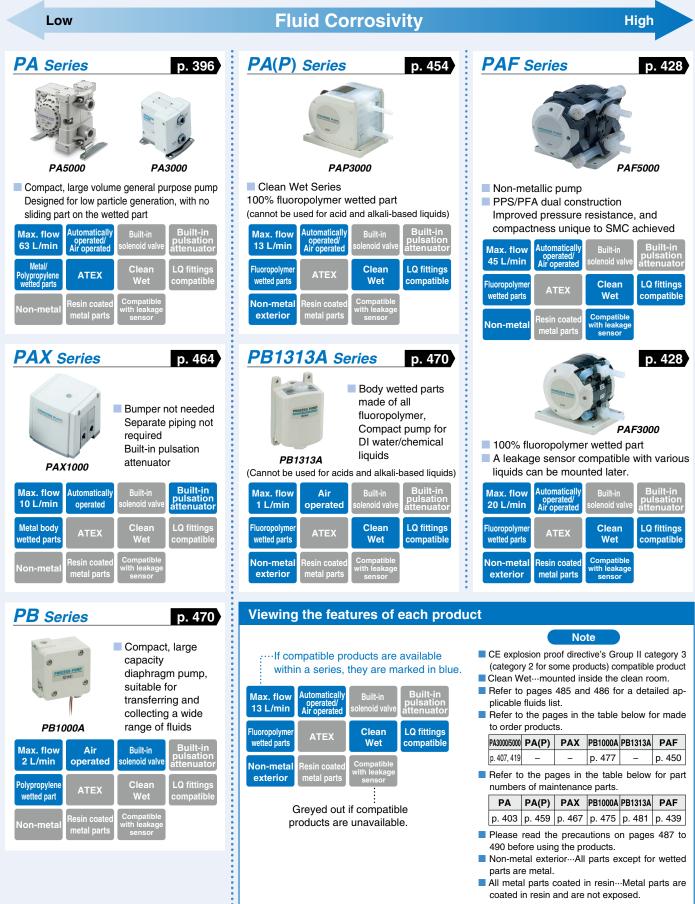
Diaphragm type process pump — choose according to fluid, size, function and purpose

Modified PTFE used as diaphragm material. Product longevity has been achieved with improved durability.



Double Acting Pump PA Series

Series	Model	Actuation		Discharge rate	Materia	Detaile	
Series Widder		Aciu	allon	L/min	Body Diaphragm		Details
PA3000	PA3□□0	Automatically operated type	AIR SUP AIR EXH FLUID OUT	1 to 20	ADC12 (Aluminum)	PTFE NBR	p. 400
PA3000	PA3□13	Air operated type	P1 - FLUID OUT P2 - FLUID IN	0.1 to 12	SCS14 (Stainless steel)	PTFE	
PA5000	PA5⊡⊡0	Automatically operated type	AIR SUP AIR EXH FLUID OUT	5 to 63	ADC12 (Aluminum) SCS14	PTFE NBR	- р. 409
	PA5□13	Air operated type	P1 - FLUID OUT P2 - FLUID IN	1 to 50	(Stainless steel) PP (Polypropylene)	PTFE	
BA (B)2000	PA(P)3310	Automatically operated type	AIR SUP AIR EXH FLUID OUT	1 to 13	New PFA	DTEE	- 457
PA(P)3000	PA(P)3313	Air operated type	P1 - FLUID OUT P2 - FLUID IN	0.1 to 9	(Fluororesin)	PTFE	p. 457
PAX1000	PAX1□12	Automatically operated type, built-in pulsation attenuator	AIR SUP AIR EXH FLUID OUT	0.5 to 10	ADC12 (Aluminum) SCS14 (Stainless steel)	PTFE	p. 465

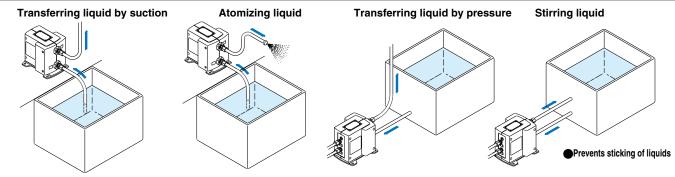
Double Acting Pump PAF Series

Series	Model	Actuation		Discharge rate	Material		Details
		Aciu	allon	L/min	Body	Diaphragm	Details
PAF3000 -	PAF3410	Automatically operated type	AIR SUP AIR EXH FLUID OUT	1 to 20			- 401
	PAF3413	Air operated type	P1 FLUID OUT P2 FLUID IN	1 to 15	New PFA	PTFE	p. 431
PAF5000	PAF5410	Automatically operated type	AIR SUP AIR EXH FLUID OUT	5 to 45	(Fluororesin)	PIFE	n 400
	PAF5413	Air operated type	P1 - FLUID OUT P2 - FLUID IN	5 to 38			p. 432

Single Acting Pump PB Series

Series	Model	Actuation		Discharge rate	Materia		Details
Series	woder			L/min	Body	Diaphragm	Details
	PB1011A	Built-in solenoid valve type	AIR EXH AIR SUP			PTFE	p. 473
PB1000A	PB1013A	Air operated type	AIR SUP FLUID OUT	0.008 to 1	(Stainless steel)	F II E	p. 473
	PB1313A	Air operated type	AIR SUP FLUID OUT	0.008 to 1	New PFA (Fluororesin)	PTFE	p. 478

Application Examples



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Liquid Dispense Pump LSP series

р. 492



Model	Discharge rate	Material			Fluid*	Details
Model	μL	Body	Diaphragm	Check valve	Fiuld	Details
LSP111/112	5 to 50				Water	
LSP121/122	50 to 100	PEEK PP	EPDM FKM	EPDM FKM	DI water (Pure water) Diluent	p. 494
LSP131/132	100 to 200				Cleaning fluid	

* These fluids should not corrode or permeate into the fluid contact materials.