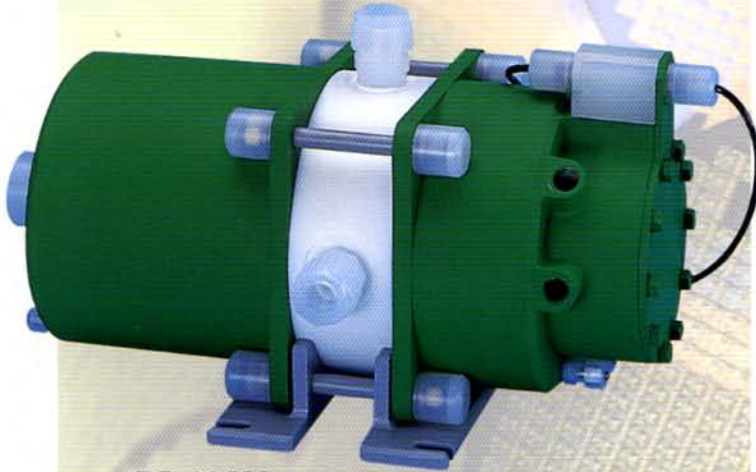


SPELA 300 PILLAR BELLOWS PUMP PS SERIES

PTFE Bellows Pump with No pulsation.



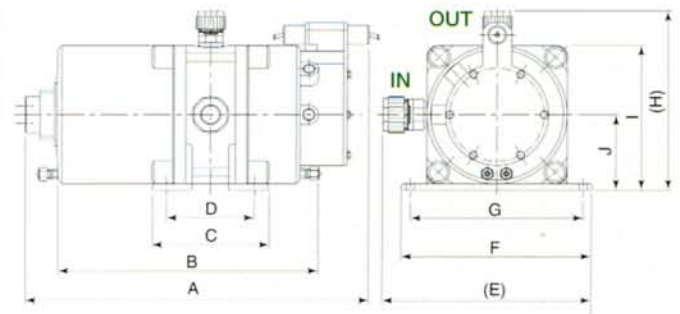
**PS-10MA
20MA
40MA**

For Chemical supply system

Features

- 1 Low pulsation pressure (pulsation pressure rate within $\pm 12.5\%$)
- 2 Space saving design. (2/3 volume of the current model)
- 3 VA design reduces the costs.

PS- 10MA, PS- 20MA, PS- 40MA



DIMENSIONS (mm)

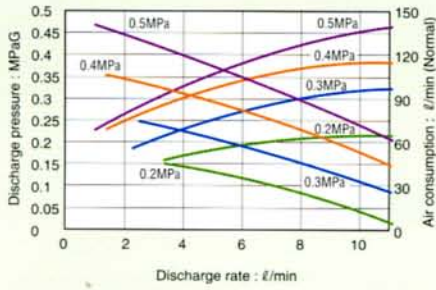
	A	B	C	D	(E)			F	G	(H)			I	J
					SUPER FITTING	SUPER 300 FITTING	J			P	SUPER FITTING	SUPER 300 FITTING		
PS-10MA	435	391	130	99	236	231	233	218	193	198	195	197	157	83
PS-20MA	480	435	160	121	291	287	289	261	236	254	249	251	201	105
PS-40MA	544	498	221	164	—	—	389	335	300	—	—	324	264	136.5

Type	PS- 10MA			PS- 20MA			PS- 40MA					
Pump connections mm (inch)	IN $\phi 19$ / OUT $\phi 12$ (IN $\phi 3/4"$ / OUT $\phi 1/2"$)			IN $\phi 25$ / OUT $\phi 19$ (IN $\phi 1"$ / OUT $\phi 3/4"$)			IN $\phi 38.1$ / OUT $\phi 25.4$ (IN $\phi 1\ 1/2"$ / OUT $\phi 1"$)					
Pump connectors	SUPER 300 TYPE PILLARFITTING or SUPER TYPE PILLARFITTING											
Max discharge capacity μ /min (GPM)	12 (3.17)			24 (6.34)			48 (12.7)					
Pulsation pressure range	Within $\pm 12.5\%$ of the pump discharge pressure when the pressure is over 0.1MPaG. Less than 0.03MPaG when pump discharge pressure is under 0.1MPaG.											
Operating temp. $^{\circ}$ C ($^{\circ}$ F)	10~40 (50~104)	41~70 (105~158)	71~100 (160~212)	10~40 (50~104)	41~70 (105~158)	71~100 (160~212)	10~40 (50~104)	41~70 (105~158)	71~100 (160~212)			
Supply air pressure MPaG (PSIG)	0.2~0.5 (29.0~72.6)	0.2~0.4 (29.0~58.0)	0.2~0.3 (29.0~43.5)	0.2~0.5 (29.0~72.6)	0.2~0.4 (29.0~58.0)	0.2~0.3 (29.0~43.5)	0.2~0.5 (29.0~72.6)	0.2~0.4 (29.0~58.0)	0.2~0.3 (29.0~43.5)			
Max discharge pressure MPaG (PSIG)	0.45 (65.3)	0.35 (50.8)	0.25 (36.3)	0.45 (65.3)	0.35 (50.8)	0.25 (36.3)	0.45 (65.3)	0.35 (50.8)	0.25 (36.3)			
Allowable differential Pressure of Bellows MPa (PSIG)	0.3 (43.5)	0.25 (36.3)	0.2 (29.0)	0.3 (43.5)	0.25 (36.3)	0.2 (29.0)	0.3 (43.5)	0.25 (36.3)	0.2 (29.0)			
Discharge volume per stroke μ /stroke (IN ³)	0.11 (6.71)			0.22 (13.43)			0.48 (29.30)					
Air consumption μ /min [Normal] (SCFM)	50~150 (1.8~5.3)			80~270 (2.8~9.5)			100~420 (3.5~15)					
Temperature in atmosphere $^{\circ}$ C ($^{\circ}$ F)	10~50 (50~122)											
Air source connection (inch)	For pump operation			2-Rc 1/4" (2-NPT 1/4")			2-Rc 3/8" (2-NPT 3/8")			2-Rc 1/2" (2-NPT 1/2")		
	For master valve			Rc 1/4" (NPT 1/4")			Rc 1/4" (NPT 1/4")			Rc 1/4" (NPT 1/4")		
Approx.weight kg (lb)	10 (22)			22 (44)			40 (88)					
Pump size mm (inch)	427L x 218W x 157H (16.8L x 8.6W x 6.2H)			472L x 261W x 201H (18.6L x 10.3W x 7.9H)			536L x 335W x 264H (21.1L x 13.2W x 10.4H)					

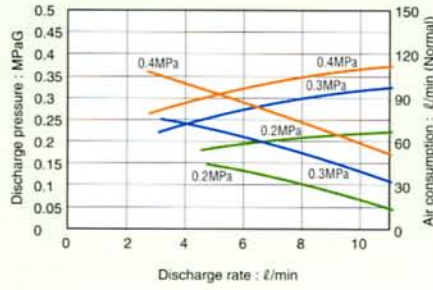
★Select the type of fitting for inlet and outlet of the pump.

Performance Curves for PS-10MA

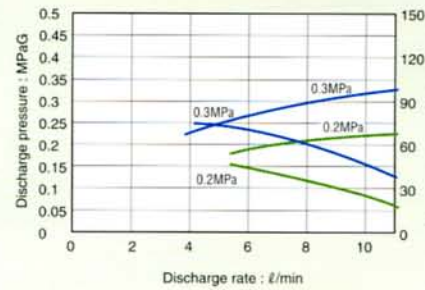
Performance Curves for PS-10MA (at 20°C)



Performance Curves for PS-10MA (at 50°C)

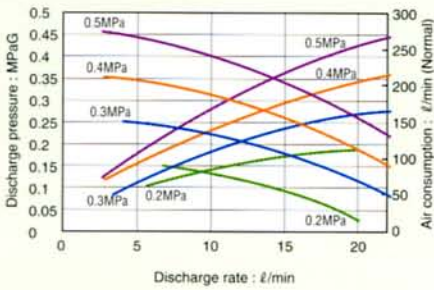


Performance Curves for PS-10MA (at 80°C)

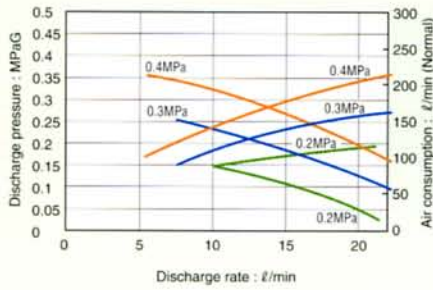


Performance Curves for PS-20MA

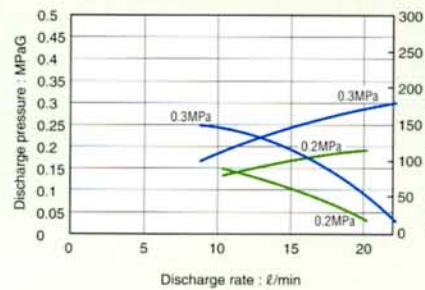
Performance Curves for PS-20MA (at 20°C)



Performance Curves for PS-20MA (at 50°C)

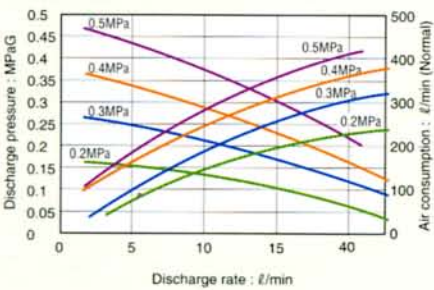


Performance Curves for PS-20MA (at 80°C)

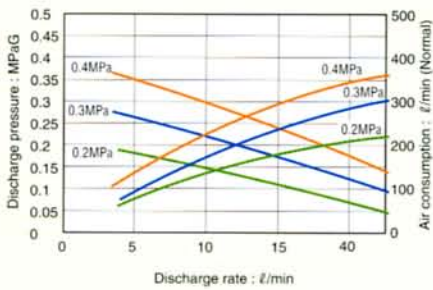


Performance Curves for PS-40MA

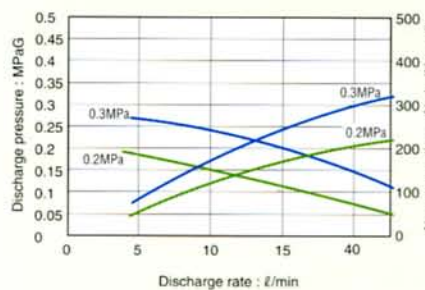
Performance Curves for PS-40MA (at 20°C)



Performance Curves for PS-40MA (at 50°C)



Performance Curves for PS-40MA (at 80°C)



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CAUTION

• Follow the instructions, before installation and operation, for your safety.