

SPELA 300 PILLAR BELLOWS PUMP PS-E SERIES

High temp.

**PTFE Bellows Pump
with No pulsation.
More Compact.**

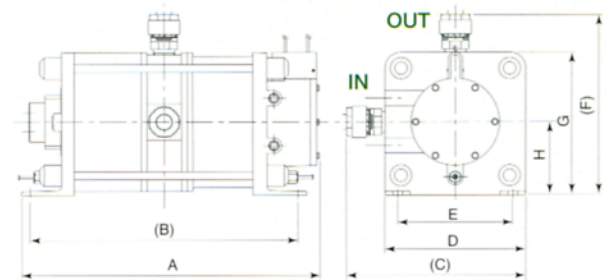


**PS-E10H
E20H
E40H**
For Cleaning equipment

Features

- 1] Applicable to all high temp liquid (H2SO4, HCl, H2O2) in wet bench.
- 2] Minimized pulsation pressure. Average pulsation pressure rate is within ±12.5%
- 3] VA design makes cost reduction possible.

PS-E 10H, PS-E 20H, PS-E 40H



DIMENSIONS (mm)

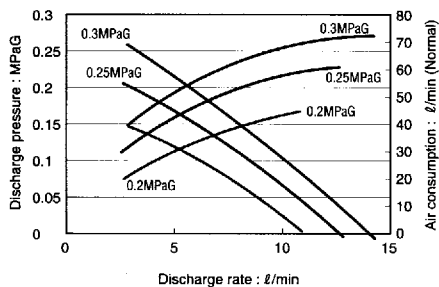
	A	(B)	(C)			D	E	(F)			G	H
			SUPER FITTING	SUPER 300 FITTING				SUPER FITTING	SUPER 300 FITTING			
				J	P				J	P		
PS-E 10H	330	285	191	186	188	138	112	184	181	183	143	74
PS-E 20H	373	335	229	224	226	176	144	234	229	231	181	93
PS-E 40H	449	395	—	—	316	210	172	—	—	277	215	110

Type	PS-E 10H			PS-E 20H			PS-E 40H					
Pump connections mm (inch)	IN φ19 / OUT φ12 (IN φ3/4" / OUT φ1/2")			IN φ19 / OUT φ19 (IN φ3/4" / OUT φ3/4")			IN φ31.8 / OUT φ25.4 (IN φ1 1/4" / OUT φ1")					
Pump connectors	SUPER 300 TYPE PILLARFITTING or SUPER TYPE PILLARFITTING											
Max discharge capacity ℓ/min (GPM)	10 (2.64)			20 (5.28)			40 (10.56)					
Pulsation pressure range	When the pump discharge pressure is over 0.1MPaG			Within ±16%			Within ±24%			Within ±31%		
	When the pump discharge pressure is under 0.1MPaG			Within 0.03MPa			Within 0.035MPa			Within 0.045MPa		
	Within ±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. °C (°F)	10~40 (50~104)	41~100 (105~212)	101~180 (213~356)	10~40 (50~104)	41~100 (105~212)	101~180 (213~356)	10~40 (50~104)	41~100 (105~212)	101~180 (213~320)			
Supply air pressure MPaG (PSIG)	0.2~0.3 (29.0~43.5)	0.2~0.25 (29.0~36.3)	0.15~0.2 (21.8~29.0)	0.2~0.3 (29.0~43.5)	0.2~0.25 (29.0~36.3)	0.15~0.2 (21.8~29.0)	0.2~0.3 (29.0~43.5)	0.15~0.2 (21.8~29.0)				
Max discharge pressure MPaG (PSIG)	0.25 (36.3)	0.2 (29.0)	0.15 (21.8)	0.25 (36.3)	0.2 (29.0)	0.15 (21.8)	0.25 (36.3)	0.2 (29.0)				
Allowable differential Pressure of Bellows MPa (PSIG)	0.3 (43.5)	0.2 (29.0)	0.15 (21.8)	0.3 (43.5)	0.2 (29.0)	0.15 (21.8)	0.3 (43.5)	0.25 (36.3)	0.2 (29.0)			
Discharge volume per stroke ℓ/stroke (IN ³)	0.10 (6.10)			0.20 (12.20)			0.40 (24.41)					
Air consumption ℓ/min [Normal] (SCFM)	10~80 (0.4~2.8)			50~130 (1.8~4.6)			50~300 (1.8~10.8)					
Temperature in atmosphere °C (°F)	10~50 (50~122)											
Air source connection (inch)	For pump operation			2-Rc 1/4" (2-NPT 1/4")			2-Rc 1/4" (2-NPT 1/4")			2-Rc 3/8" (2-NPT 3/8")		
	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)	7 (15)			12 (26)			21 (46)					
Pump size mm (inch)	330L × 138W × 154H (13.0L × 5.4W × 6.1H)			373L × 176W × 181H (14.7L × 6.9W × 7.1H)			449L × 237W × 215H (17.7L × 9.3W × 8.5H)					

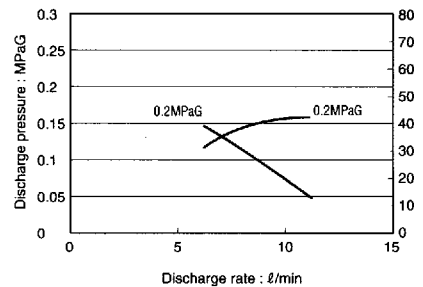
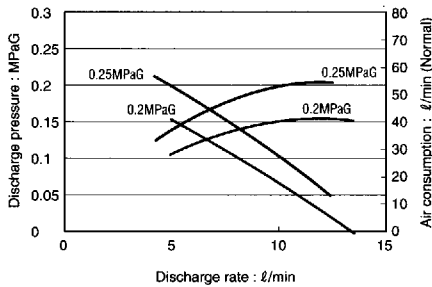
★Select the type of fitting for inlet and outlet of the pump.
[*] Operation with an AIR chamber.

Performance Curves for PS-E 10H

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

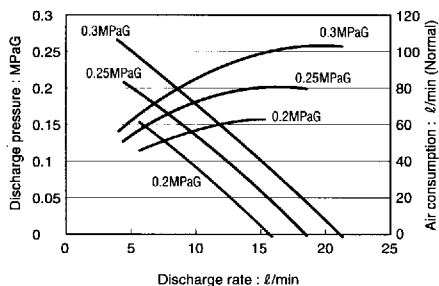


Performance Curves for PS-E 10H (at 100°C)

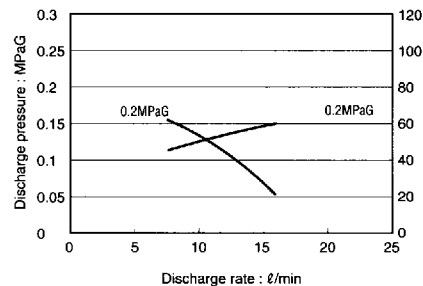
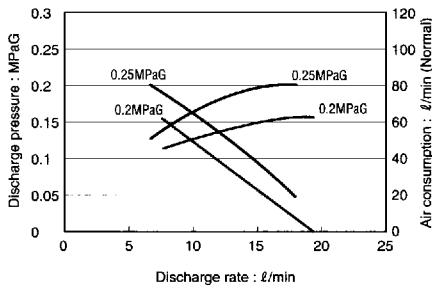


Performance Curves for PS-E 20H

Performance Curves for PS-E 20H (at 20°C)

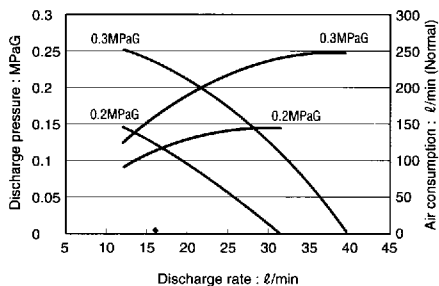


Performance Curves for PS-E 20H (at 100°C)

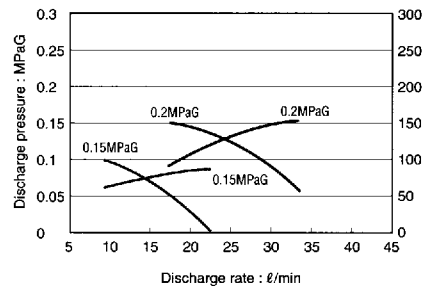
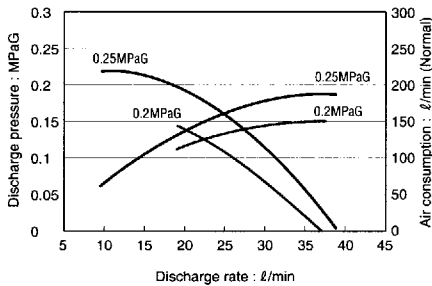


Performance Curves for PS-E 40H

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



Performance Curves for PS-E 40H (at 100°C)



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*Specifications and dimensions are subject to change without prior notice.
*The data on this catalogue are solely for your reference and are not to be construed as constituting a warranty.

CAUTION

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