

# SPELA 300 PILLAR BELLOWS PUMP PE-E SERIES

## Compact Pump Solution for your limited space.



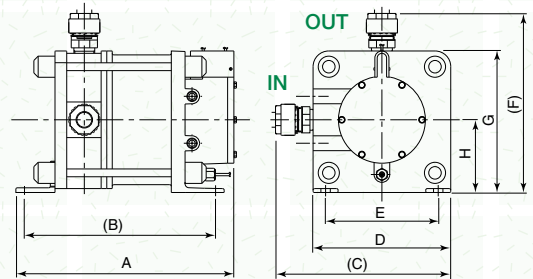
**PE-E10M  
E20M  
E40M**

**PE-E2M**

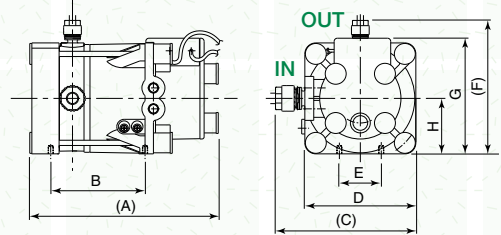
### Features

- 1 Its small foot print enables the change in size of the equipment.
- 2 More compact than our current model, PE series pump.
- 3 VA design makes cost reduction possible.

**PE-E 10M, PE-E 20M, PE-E 40M**



**PE-E 2M**



DIMENSIONS (mm)

	A	B	(C)				D	E	(F)			
			SUPER FITTING		SUPER 300 FITTING				SUPER FITTING		SUPER 300 FITTING	
			J	P	J	P			J	P	G	H
PE-E2M	180	90	145	141	143	106	40	139	136	138	111	53
PE-E10M	239	194	191	186	188	138	112	184	181	183	143	74
PE-E20M	281	244	229	224	226	176	144	234	229	231	181	93
PE-E40M	351	298	274	270	272	210	172	279	275	277	215	110

Type	PE-E 2MA			PE-E 10MA			PE-E 20MA			PE-E 40MA		
Pump connections mm (inch)	IN φ10 / OUT φ6 (IN φ3/8" / OUT φ1/4")			IN φ19 / OUT φ12 (IN φ3/4" / OUT φ1/2")			IN φ19 / OUT φ19 (IN φ3/4" / OUT φ3/4")			IN φ25 / OUT φ25 (IN φ1" / OUT φ1")		
Pump connectors	SUPER 300 TYPE PILLARFITTING or SUPER TYPE PILLARFITTING											
Max discharge capacity l/min (GPM)	2.5 (0.66)			10 (2.64)			20 (5.28)			40 (10.56)		
Operating temp. °C (°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)	10~40 (50~104)	41~70 (105~158)	71~100 (160~212)
Supply air pressure MPaG (PSIG)	0.2~0.4 (29.0~58.0)	0.2~0.3 (29.0~43.5)	0.2~0.25 (29.0~36.3)	0.2~0.4 (29.0~58.0)	0.2~0.3 (29.0~43.5)	0.2~0.25 (29.0~36.3)	0.2~0.4 (29.0~58.0)	0.2~0.3 (29.0~43.5)	0.2~0.25 (29.0~36.3)	0.2~0.4 (29.0~58.0)	0.2~0.3 (29.0~43.5)	0.2~0.25 (29.0~36.3)
Max discharge pressure MPaG (PSIG)	0.35 (50.8)	0.25 (36.3)	0.2 (29.0)	0.25 (36.3)	0.2 (29.0)	0.2 (29.0)	0.25 (36.3)	0.2 (29.0)	0.2 (29.0)	0.25 (36.3)	0.2 (29.0)	0.2 (29.0)
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)	0.3 (43.5)	0.25 (36.3)	0.2 (29.0)
Discharge capacity per stroke l/stroke (IN <sup>3</sup> ) ※1	0.03 (1.83)			0.10 (6.10)			0.20 (12.2)			0.40 (24.4)		
Air consumption l/min [Normal] (SCFM)	10~50 (0.4~1.8)			10~80 (0.4~2.8)			50~130 (1.8~4.6)			50~300 (1.8~10.6)		
Ambient temperature °C (°F)	10~50 (50~122)											
Air inlet ports (inch)	2-Rc 1/8" (2-NPT 1/8")			2-Rc 1/4" (2-NPT 1/4")			2-Rc 1/4" (2-NPT 1/4")			2-Rc 3/8" (2-NPT 3/8")		
Approx.weight kg (lb)	2 (4.4)			6 (13.2)			10 (22)			18 (39.7)		
Pump size mm (inch)	180L × 106W × 111H (7.1L × 4.2W × 4.4H)			239L × 138W × 154H (9.4L × 5.4W × 6.1H)			281L × 176W × 181H (11.1L × 6.9W × 7.1H)			351L × 210W × 215H (13.8L × 8.3W × 8.5H)		

★Different size of pump connections may vary the above figure.

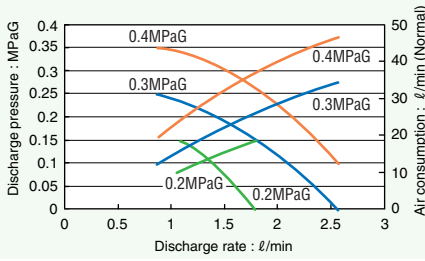
★Specify type of end connection when ordering.

★We have also explosionproof sensor type pumps that are suitable for pumping an explosive organic solution.

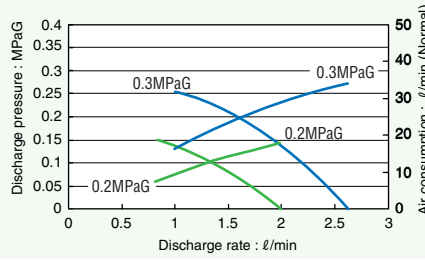
※1 The value applies when the standard stroke is selected. Be sure to run the pump at a pumping speed of 100spm or lower(120spm or lower for PE-E10M)

## Performance Curves for PE-E 2M

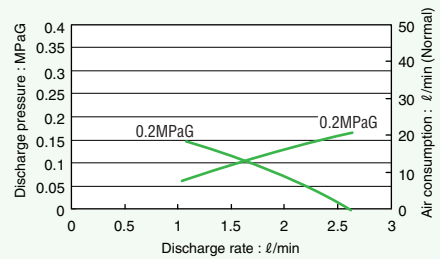
Performance Curves for PE-E 2M (at 20°C)



Performance Curves for PE-E 2M (at 50°C)

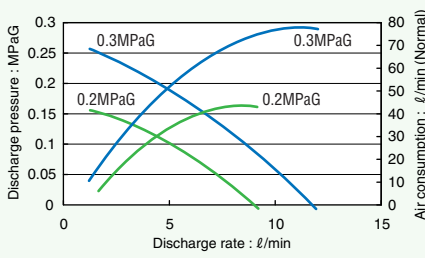


Performance Curves for PE-E 2M (at 80°C)

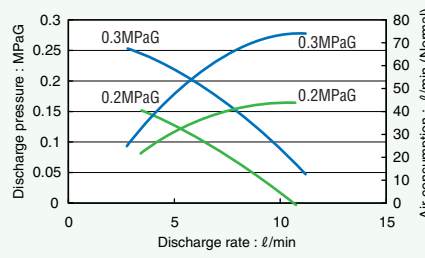


## Performance Curves for PE-E 10M

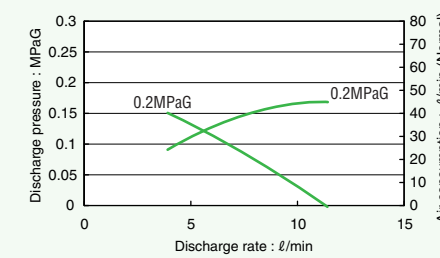
Performance Curves for PE-E 10M (at 20°C)



Performance Curves for PE-E 10M (at 50°C)

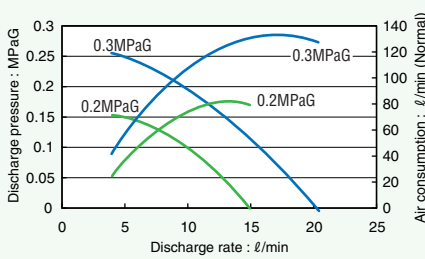


Performance Curves for PE-E 10M (at 80°C)

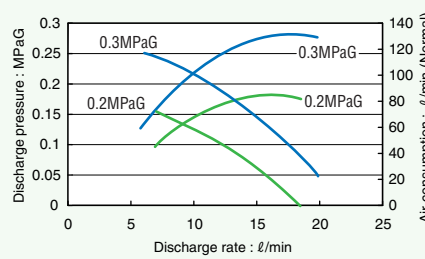


## Performance Curves for PE-E 20M

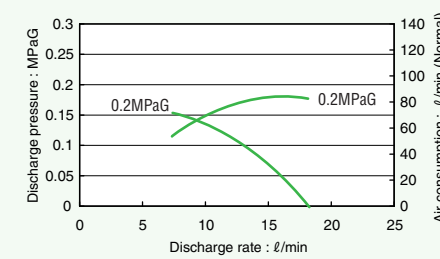
Performance Curves for PE-E 20M (at 20°C)



Performance Curves for PE-E 20M (at 50°C)

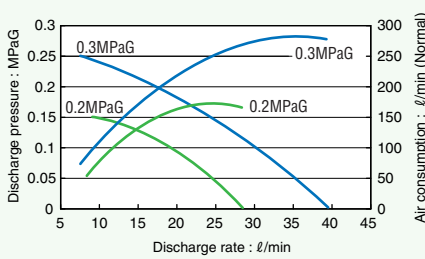


Performance Curves for PE-E 20M (at 80°C)

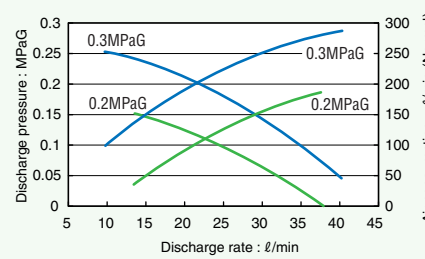


## Performance Curves for PE-E 40M

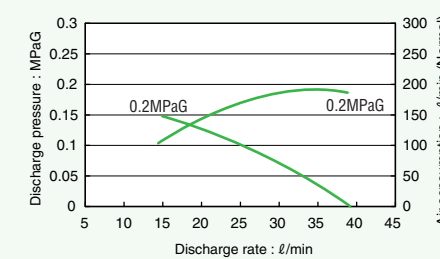
Performance Curves for PE-E 40M (at 20°C)



Performance Curves for PE-E 40M (at 50°C)



Performance Curves for PE-E 40M (at 80°C)



# NIPPON PILLAR PACKING CO., LTD.

**Head Office :** 11-48, Nonakaminami 2 Chome, Yodogawa-ku, Osaka, 532-0022 Japan.  
Tel : 81-(0)6-6305-2821 Fax : 81-(0)6-6302-3300  
E-mail : info@pillar.co.jp

**Nippon Pillar Corporation of America :** 1562, Parkway Loop, Suite2C, Tustin, CA 92780, USA.  
Tel : 1-714-258-7741 Fax : 1-714-258-7760  
E-mail : sales@nipponpillar.com

**Nippon Pillar Singapore Pte, Ltd. :** No. 237 Pandan Loop, #03-01 Westech Building, Singapore 128424  
Tel : (65)6861-7138 Fax : (65)6862-9098  
E-mail : npillars@singnet.com.sg

**Taiwan Pillar Industry Co.,Ltd. :** 8F, No.45, SEC.1, MINQUAN E. RD., ZHONGSHAN DIST., TAIPEI CITY, 10452, TAIWAN.  
Tel : TAIPEI(886) 2-2587-1911 Fax : TAIPEI(886) 2-2585-3131  
URL:http://www.taiwanpillar.com.tw/ E-mail: sales@taiwanpillar.com.tw

**Shanghai Pillar Trading Co.,Ltd. :** Far East International Plaza A-1111, No.319, Xianxia Road, Changning District, Shanghai China. (200051)  
Tel : CHINA(86) 21-6208-7711 Fax : CHINA(86) 21-6235-0501  
URL:http://www.pillar-cn.com/ E-mail: sales@sh.pillar-cn.com

**Nippon Pillar Packing Co.,Ltd. India Liaison Office :** 111(old no.46),4th Main Road, Gandhi Nagar, Adayar, Chennai 600 020, India  
Tel : +91-44-3299-1422

<http://www.pillar.co.jp/> e-mail : info@pillar.co.jp

\*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.