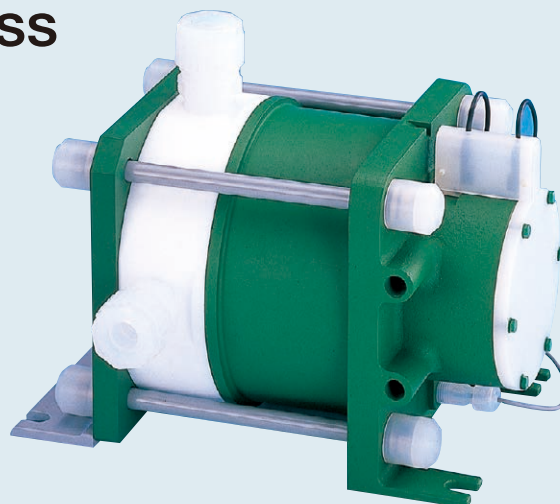


# PE-E Series SPELA™ Bellows Pump



The industry's smallest class bellows pump made of fluorocarbon polymers  
(Based on our research)



## ■ Features

Compact type pump utilizing the features of our PE-series bellows pumps

Small footprint, contributing to equipment downsizing

## ■ Pump size comparison table

PE-E series		
Model	Pump size (excluding piping) (mm)	Reference occupied area (cm <sup>2</sup> )
PE-E2M	180 <sup>L</sup> × 106 <sup>W</sup> × 111 <sup>H</sup>	Approx. 190
PE-E10M	239 <sup>L</sup> × 138 <sup>W</sup> × 154 <sup>H</sup>	Approx. 330
PE-E20M	281 <sup>L</sup> × 176 <sup>W</sup> × 181 <sup>H</sup>	Approx. 500
PE-E40M	351 <sup>L</sup> × 210 <sup>W</sup> × 215 <sup>H</sup>	Approx. 740

PE series		
Model	Pump size (excluding piping) (mm)	Reference occupied area (cm <sup>2</sup> )
PE-5MA	236 <sup>L</sup> × 122 <sup>W</sup> × 126 <sup>H</sup>	Approx. 290
PE-10MA	284 <sup>L</sup> × 142 <sup>W</sup> × 147 <sup>H</sup>	Approx. 410
PE-20MA	324 <sup>L</sup> × 184 <sup>W</sup> × 187 <sup>H</sup>	Approx. 600
PE-40MA	404 <sup>L</sup> × 245 <sup>W</sup> × 249.5 <sup>H</sup>	Approx. 990

## ■ Specifications

Pump model		PE-E2M			PE-E10M			PE-E20M			PE-E40M		
Pump connection size*1	mm	IN φ10/OUT φ6			IN φ19/OUT φ12			IN φ19/OUT φ19			IN φ25/OUT φ25		
Pump connector		Super 300 Type PILLAR Fitting™											
Max discharge capacity	L/min	2.5			10			20			40		
Operating temperature	°C	10 to 40	41 to 70	71 to 100	10 to 40	41 to 70	71 to 100	10 to 40	41 to 70	71 to 100	10 to 40	41 to 70	71 to 100
Supply air pressure	MPaG	0.2 to 0.4	0.2 to 0.3	0.2 to 0.25	0.2 to 0.3		0.2 to 0.25	0.2 to 0.3		0.2 to 0.25	0.2 to 0.3		0.2 to 0.25
Max discharge pressure	MPaG	0.35	0.25	0.2	0.25		0.2	0.25		0.2	0.25		0.2
Allowable differential pressure of bellows	MPa	0.3	0.25	0.2	0.3	0.25	0.2	0.3	0.25	0.2	0.3	0.25	0.2
Discharge capacity per stroke*2	L	0.03			0.10			0.20			0.40		
Air consumption	L/min (Normal)	10 to 50			10 to 80			50 to 130			50 to 300		
Ambient temperature	°C	10 to 50											
Air inlet ports		2-Rc1/8			2-Rc1/4			2-Rc1/4			2-Rc3/8		
Weight	kg	Approx. 2			Approx. 6			Approx. 10			Approx. 18		
Pump size (excluding piping)*3	mm	180 <sup>L</sup> × 106 <sup>W</sup> × 111 <sup>H</sup>			239 <sup>L</sup> × 138 <sup>W</sup> × 154 <sup>H</sup>			281 <sup>L</sup> × 176 <sup>W</sup> × 181 <sup>H</sup>			351 <sup>L</sup> × 210 <sup>W</sup> × 215 <sup>H</sup>		

\*1: To obtain performance with this pump, pipes with the pump connection size shown above are required. Install the pump so that the length of the suction pipe does not exceed two meters.

\*2: This is a reference value. Make sure that the stroke speed is always 100 spm or lower (120 spm or lower for the PE-E10M).

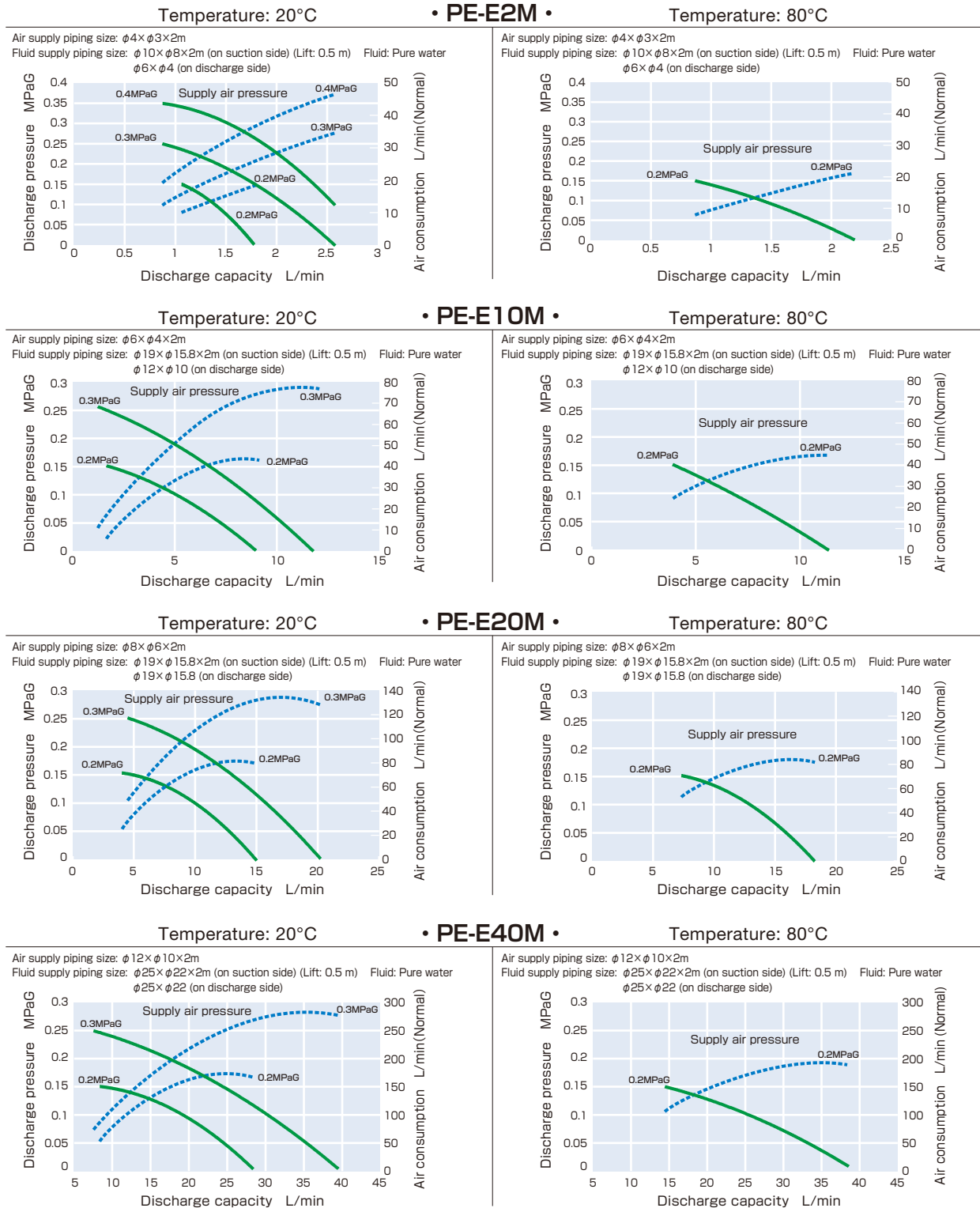
\*3: The pump size is a reference value.

Notes 1) If the fluid to be used requires anti-explosion treatment because it is an organic or similar liquid, anti-explosive pumps with proximity sensors are available. Please consult with us separately for more information.

2) If the fluid to be used is CMP slurry, we recommend the "PC series slurry pump" dedicated to use with CMP slurry.

## Performance curve

H-Q characteristics — Air consumption



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**Safety precaution**

● When using this product, please use correctly and pay sufficient attention to safety.

\* Please understand that this catalog may change without prior notice.  
 \* The values shown on this catalog are reference values, not guaranteed values.