

SPELA 300 PILLAR BELLOWS PUMP **PE-E SERIES**

Compact Pump Solution for your limited space.



**PE-E10M
E20M
E40M**

For Cleaning equipment

PE-E2M

For Single wafer processing cleaner

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.

| Type | PE-E 2M | | | PE-E 10M | | | PE-E 20M | | | PE-E 40M | | |
|---|---|--------------------|---------------------|---|---------------------|---------------------|--|---------------------|---------------------|--|---------------------|---------------------|
| Pump connections mm (inch) | IN ϕ 10 / OUT ϕ 6 (IN ϕ 3/8" / OUT ϕ 1/4") | | | IN ϕ 19 / OUT ϕ 12 (IN ϕ 3/4" / OUT ϕ 1/2") | | | IN ϕ 19 / OUT ϕ 19 (IN ϕ 3/4" / OUT ϕ 3/4") | | | IN ϕ 25 / OUT ϕ 25 (IN ϕ 1" / OUT ϕ 1") | | |
| Pump connectors | SUPER 300 TYPE PILLARFITTING or SUPER TYPE PILLARFITTING | | | | | | | | | | | |
| Max discharge capacity ℓ /min (GPM) | 2.5 (0.7) | | | 10 (2.6) | | | 20 (5.3) | | | 40 (10.6) | | |
| 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) | 10~40 (50~104) | 41~70 (105~158) | 71~100 (160~212) |
| Supply air pressure MPaG (PSIG) | 0.2~0.4 (29~58) | 0.2~0.3 (29~44) | 0.2~0.25 (29~36) | 0.2~0.3 (29~44) | 0.2~0.25 (29~36) | 0.2~0.25 (29~36) | 0.2~0.3 (29~44) | 0.2~0.25 (29~36) | 0.2~0.25 (29~36) | 0.2~0.3 (29~44) | 0.2~0.25 (29~36) | 0.2~0.25 (29~36) |
| Max discharge pressure MPaG (PSIG) | 0.35 (50) | 0.25 (36) | 0.2 (29) | 0.25 (36) | 0.2 (29) | 0.2 (29) | 0.25 (36) | 0.2 (29) | 0.2 (29) | 0.25 (36) | 0.2 (29) | 0.2 (29) |
| Allowable differential Pressure of Bellows MPa (PSIG) | 0.3 (44) | 0.25 (36) | 0.2 (29) | 0.3 (44) | 0.25 (36) | 0.2 (29) | 0.3 (44) | 0.25 (36) | 0.2 (29) | 0.3 (44) | 0.25 (36) | 0.2 (29) |
| Discharge volume per stroke ℓ /stroke (IN 3) | 0.03 (1.83) | | | 0.10 (6.10) | | | 0.20 (12.2) | | | 0.40 (24.4) | | |
| Air consumption KPaG \cdot m 3 /min. (SCFM) | 1~5.1 (0.4~1.8) | | | 1~8.1 (0.4~2.8) | | | 5.1~13.2 (1.8~4.6) | | | 5.1~30.4 (1.8~10.6) | | |
| Temperature in atmosphere $^{\circ}$ C ($^{\circ}$ F) | 10~50 (50~122) | | | | | | | | | | | |
| Air source connection | 2-Rc1/8" | | | 2-Rc1/4" | | | 2-Rc1/4" | | | 2-Rc3/8" | | |
| For pump operation | | | | | | | | | | | | |
| Approx. weight kg (lb) | 2 (4.4) | | | 6 (13.2) | | | 10 (22) | | | 18 (39.7) | | |
| Pump size mm (inch) | 180 ^L \times 106 ^W \times 111 ^H (7.1 ^L \times 4.2 ^W \times 4.4 ^H) | | | 239 ^L \times 138 ^W \times 154 ^H (9.4 ^L \times 5.4 ^W \times 6.1 ^H) | | | 281 ^L \times 176 ^W \times 181 ^H (11.1 ^L \times 6.9 ^W \times 7.1 ^H) | | | 351 ^L \times 210 ^W \times 215 ^H (13.8 ^L \times 8.3 ^W \times 8.5 ^H) | | |

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

★ Specify type of end connection when ordering.

★ We have also explosion proof pumps that are suitable for pumping an explosive organic solution.

| New model | | | Our current model | | |
|-----------|--|----------------------------------|-------------------|--|----------------------------------|
| Type | Pump size mm | Foot print cm 2 (in 3) | Type | Pump size mm | Foot print cm 2 (in 3) |
| PE-E2M | 180 ^L \times 106 ^W \times 111 ^H (7.1 ^L \times 4.2 ^W \times 4.4 ^H) | 190 (11.6) | PE-5MA | 236 ^L \times 122 ^W \times 126 ^H (9.3 ^L \times 4.8 ^W \times 5.0 ^H) | 290 (17.7) |
| PE-E10M | 239 ^L \times 138 ^W \times 154 ^H (9.4 ^L \times 5.4 ^W \times 6.1 ^H) | 330 (20.1) | PE-10MA | 284 ^L \times 142 ^W \times 147 ^H (11.2 ^L \times 5.6 ^W \times 5.8 ^H) | 410 (25.0) |
| PE-E20M | 281 ^L \times 176 ^W \times 181 ^H (11.1 ^L \times 6.9 ^W \times 7.1 ^H) | 500 (30.5) | PE-20MA | 324 ^L \times 184 ^W \times 187 ^H (12.8 ^L \times 7.2 ^W \times 7.4 ^H) | 600 (36.6) |
| PE-E40M | 351 ^L \times 210 ^W \times 215 ^H (13.8 ^L \times 8.3 ^W \times 8.5 ^H) | 740 (45.2) | PE-40MA | 404 ^L \times 245 ^W \times 249.5 ^H (15.9 ^L \times 9.6 ^W \times 9.8 ^H) | 990 (60.4) |

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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

• Read through and follow the instructions on the manual before installation and operation for your safety.