

UBA 精密計量泵

電動旋轉閥型泵 --- E-R系列

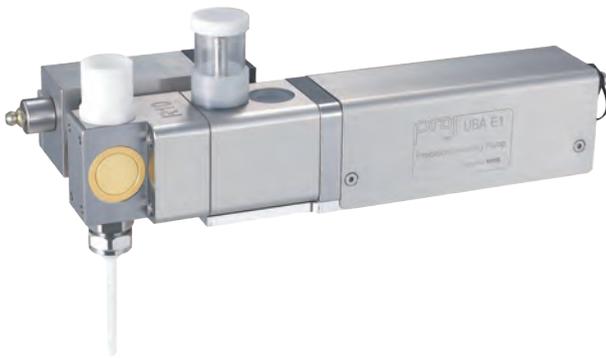
- E-R 系列 UBA 精密計量泵，採用精密陶瓷旋轉閥控制液體的輸出和輸入，精密研磨的陶瓷柱塞確保穩定精準的液體容量計量，步進馬達或伺服馬達驅動精密的絲桿驅動系統，通過彩色觸控面板設置所有注液參數，無須對泵進行任何機械調整，能精準控制注液量。
- 極高的計量精度和重複一致性；精度優於正負千分之五。
- 適合用於中高黏度液體和含顆粒液體、醬料、膏體的定量灌裝。伺服電機配置的泵特別適合高速自動鹼性鋅錳電池生產線上注鋅膏。
- 316不鏽鋼的泵結構，所有的零件都有良好的耐腐蝕性。

Servo Drive Rotary Valve Pump

- With a precise ceramic rotary valve, the UBA Rotary Valve Style Dispensing Pumps are designed for filling medium to high viscosity liquid, gel or the liquid contain particles. Stepper Motor or Servo Motor with precision ball screw driving system provides an extremely precise linear motion control. All dispensing parameters are set by a control box with color touch panel, no mechanical adjustment needed.
- Typical dispensing accuracy is within $\pm 0.5\%$.
- Servo motor pumps are suitable for Zinc-gel filling on high speed alkaline battery line.
- 316 stainless steel pump construction.

應用：鹼性電池鋅膏、凡士林、醬料、液態焊錫、睫毛膏、唇膏、黃油、驗血管膠料、矽油、農藥等。

Application : Zinc-Gel of Alkaline Battery, Vaseline, Gel, Mascara, Lipstick, Grease, Silicone Oil, Blood Collecting Tube, Pesticide, etc.



| 型號 Model | 柱塞直徑 Plunger Dia | 行程 Stroke | 注液量範圍 Dispensing Vol | 循環速度 Cycle Rate | 驅動 Drive | |
|-------------|---------------------|--------------|-------------------------|--------------------|---|-------------|
| | mm | | | | mm | ml |
| E1-R03 | 4.7 | 12.7 | 0 - 0.23 | 0 - 50 | 步進馬達/伺服馬達 Stepper Motor or Servo Motor | 50 - 75 PSI |
| E1-R05 | 7.9 | | 0 - 0.63 | | | |
| E1-R07 | 11.1 | | 0 - 1.2 | | | |
| E1-R10 | 15.9 | | 0 - 2.5 | | | |
| E2-R12 | 19.1 | 25.4 | 0 - 7.2 | 0 - 50 | | |
| E2-R14 | 22.2 | | 0 - 9.8 | | | |
| E2-R17 | 27 | | 0 - 14.5 | | | |
| E2-R20 | 31.8 | | 0 - 20 | | | |
| E3-R20 | 31.8 | 38.1 | 0 - 30 | 0 - 40 | | |
| E3-R26 | 41.3 | | 0 - 50 | | | |
| E4-1-R34 | 54 | 25.4 | 0 - 58 | 0 - 60 | 伺服電機 Servo Motor | |
| E4-2-R34 | 54 | 50.8 | 0 - 116 | 0 - 40 | | |
| E4-3-R34 | 54 | 76.2 | 0 - 174 | 0 - 30 | | |
| E4-4-R34 | 54 | 114.3 | 0 - 261 | 0 - 25 | | |

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微量注液泵 --- E-D系列

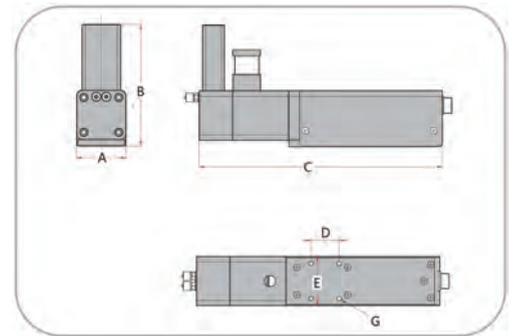
- 具有極高的重覆精度；精密研磨的陶瓷柱塞確保穩定精準的液體容量計量，步進馬達驅動精密的絲桿驅動系統，精度優於正負千分之五。獨特的頂置式微量控制閥設計，有利於氣泡迅速排出，注液量更穩定。
- 適用於中低黏度液體定量注液。該系列泵特別適合微量液體注液，在實驗室條件下，部分型號對低黏度液體可以準確穩定分離吐出0.2 μ L容量。
- 適合各類醫藥、生化液體、凝膠類液體，微型電容器和電池電解液等應用。
- 316不鏽鋼的泵結構，泵的所有零件都有良好的耐腐蝕性。

Precise Micro Volume Dispensing Pump

- The UBA E-D Dispensing Pumps are designed for filling extreme small amount liquid. Precise micro space diaphragm valve controls the inlet and outlet of the pump. Precise ceramic plunger ensures accurate dispensing.
- Stepper motor with precision ball screw driving system provides an extremely precise linear motion control. All dispensing parameters are set by control box with color touch panel, no mechanical adjustment needed.
- Typical Dispensing accuracy is within $\pm 0.5\%$.
- UBA E-D Pump is suitable for dispensing lower and medium viscosity and pharmaceutical gel. Especially capable of dispensing extreme small shot of liquid. Some models are able to shot and drop down 0.2 μ L with stable volume.
- With a complete 316 stainless steel constructions, the pumps provide better anti-corrosion performance.

應用：香水、玻尿酸、指甲油、精華液、精油、生物製劑、試劑、驗血卡、UV膠、凝膠、電解液等。

Application: Perfume, Hyaluronic, Nail varnish, Essential oil, Biologicals, Culture Media, Blood testing card, UV Glue, Gel, Electrolyte, etc.



| 型號 Model | 柱塞直徑 Plunger Dia mm | 行程 Stroke mm | 注液量範圍 Dispensing Vol ml | 循環速度 Cycle Rate 次/分鐘 | 驅動 Drive | 外型尺寸 Dimension | | | | | | 重量 Weight kg |
|-------------|---------------------------|--------------------|-------------------------------|----------------------------|--------------------------|-------------------|-----|-----|------|-------|----|--------------------|
| | | | | | | A | B | C | D | E | G | |
| E1-D02 | 3.2 | 6.3 | 0 - 0.050 | 0 - 80 | 步進馬達 Stepper Motor | 45 | 111 | 243 | 25.4 | 31.75 | M4 | 2.2 |
| E1-D03 | 4.8 | 12.7 | 0 - 0.230 | | | | | | | | | |
| E1-D05 | 7.9 | 12.7 | 0 - 0.630 | | | | | | | | | |
| E1-D07 | 11.1 | 12.7 | 0 - 1.230 | | | | | | | | | |
| E1-D10 | 15.9 | 12.7 | 0 - 2.514 | 0 - 50 | | 52 | 120 | 286 | 50.8 | 38.1 | M4 | 2.9 |
| E2-D12 | 19.1 | 25.4 | 0 - 7.240 | | | | | | | | | |

NORDA 諾達股份有限公司 Norda Co., Ltd.

桃園總公司

桃園市龜山區萬壽路一段492之14號6樓
電話：02-82097066
傳真：02-82097022
EMAIL：Info@norda.com.tw
www.norda.com.tw

台中服務處

台中市南屯區精科南路99號6樓之2
(單元605)
電話：04-23507011
傳真：04-23507013

台南服務處

台南市安南區開安一街16號
電話：06-3568967
傳真：06-3568927

