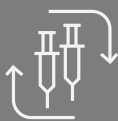


DUAL SYRINGE SMART PUMP

VSP1002-A

We offer a highly innovative air displacement pump that can deliver wide range of pump volume and precision at low volume to meet the most demanding pumping applications

**High Precision
and Accuracy****Dual Function****Reduce Complexity**

ABOUT OUR PRODUCT

Featuring an innovative air displacement pump that boasts a unique dual syringe design, delivering an extensive range of flow rates without sacrificing precision and accuracy, even at the lowest volumes. It replaces two conventional syringe pumps in your instrument, reducing cost, size and system complexity.

Features

- High precision and accuracy at low volume in a single pump
- Compact footprint and reduces system complexity with innovative dual syringe design
- Intelligently switches between 2 syringes based on the pump volume
- Easy to interface and configure using high level API and Utility Software
- Supports a wide range of flow rates and syringes

Specifications

Travel Distance	30mm
Speed	1.2s to 150s
Resolution	5669 increments (encoder mode) 192,000 increments (microstep mode)
Life	4 million
Syringe Sizes Supported	50µl, 100µl, 250µl, 500µl, 1.0ml
Precision (1ml syringe)	≤0.05% CV (full stroke) ≤0.5% CV (10% stroke)
Accuracy (1ml syringe)	≤1.0%
Dimension, WxDxH, mm	95 x 55 x 140
Weight	0.8kg
Connectivity	USB / RS-485 / TTL UART
Power Requirement	Max input current 1.5A @ 24VDC

VBMB PTE LTD (V-BMB)

All product specifications are subject to change without notice. Last updated: JUL-2026
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