

產品外觀

PRODUCT APPEARANCE



MADE IN TAIWAN



- 標準化規格，嚴格品質管控，確保產品穩定可靠

**Standardized Specifications, Strict Quality Control,
Ensuring Consistent and Reliable Performance**

訂購代號

ORDER NO.

PSV800

03

B

DC24V

系列

PSV800

尺寸

03 3/8

04 1/2

材質

B BRASS

S SUS316L

電壓

DC24V

特點

FEATURES

- 可依輸入訊號連續調整閥門開度，提供精準且穩定的流量控制
Continuously adjusts the valve opening according to the input signal for precise and stable flow control.
- 反應靈敏、調節範圍廣，可因應不同流量控制需求
Fast response and a wide control range accommodate various flow control requirements.
- 具良好的耐壓性能，適用於較高工作壓力的流體控制應用
Excellent pressure resistance makes it suitable for higher-pressure fluid control applications.
- 通過百萬次以上作動循環測試，耐久性佳，適合長時間及頻繁作動
Tested for over one million operating cycles, providing excellent durability for long-term and frequent operation.
- 採小型化閥體結構設計，可有效節省安裝空間，方便設備配置
Compact valve construction saves installation space and allows flexible equipment layout.

適用範圍

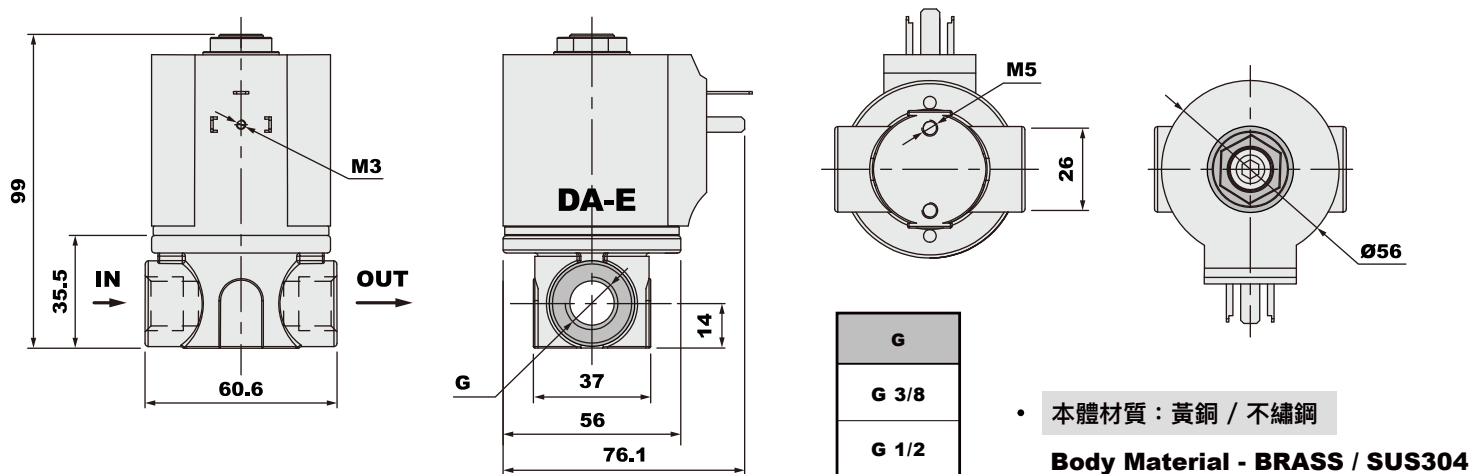
APPLICATIONS

- 適用於質量流量控制器、壓力與流量控制，以及需要高精度、快速反應與穩定調節的精密流體控制應用
Suitable for mass flow controllers, pressure and flow control, and precision fluid control applications requiring high accuracy, fast response, and stable regulation.

尺寸圖

DIMENSION

PNEUMATIC HYDRAULIC | DA-E



規格表

SPECIFICATIONS

型 號 Type	口徑 Port Size	通徑 Orifice Diameter	最大工作壓力差 Max. Pressure Differential	密封材質 Seal Material	線圈 Coil	使用介質 Fluid	介質溫度 Fluid Temperature
PSV800	G 3/8	2 mm	25 bar	氟橡膠 / 丁腈橡膠 FKM / NBR	SE71B	中性氣體 / 液體 Neutral Gas / Liquid	-10~90°C
		3 mm	10 bar				
		4 mm	8 bar				
	G 3/8 G 1/2	6 mm	4 bar				
		8 mm	2 bar				
		9.5 mm	0.7 bar				

型 號 Type	電氣連接方式 Electrical Connection	外殼防護等級 Enclosure Protection	額定電壓 Rated Voltage	PWM 頻率 PWM Frequency	遲滯 Hysteresis
PSV800	插針式 Pin Type	IP65	DC 24 V	600~800 Hz	≤ 20% Max.

線圈

Coil

型 號 TYPE	電阻 Resistance	電壓 Voltage	最大工作電流 Max. Operating Current	最大功率 Max. Power
SE71B-DC12V-21W	6.8 Ω	DC12 V	1.75 A	21 W
SE71B-DC24V-21W	27.5 Ω	DC24 V	0.875 A	21 W

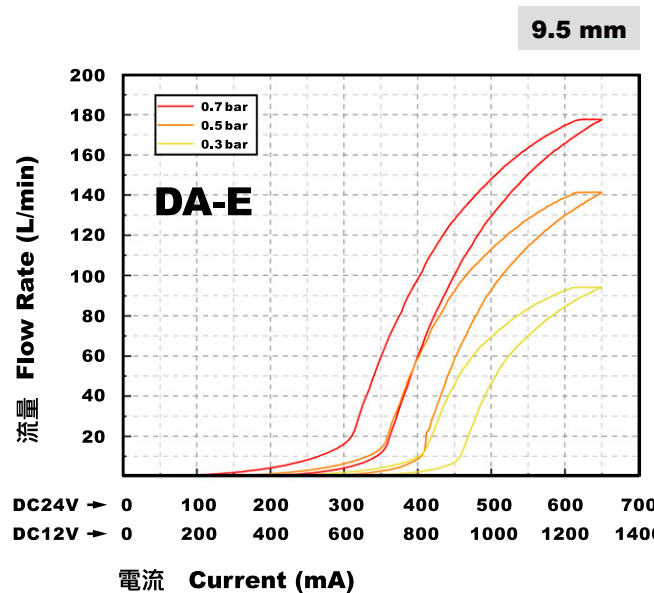
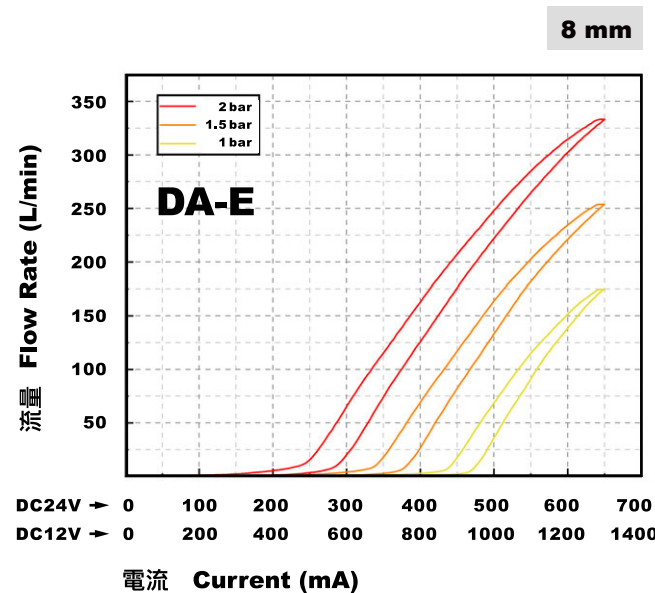
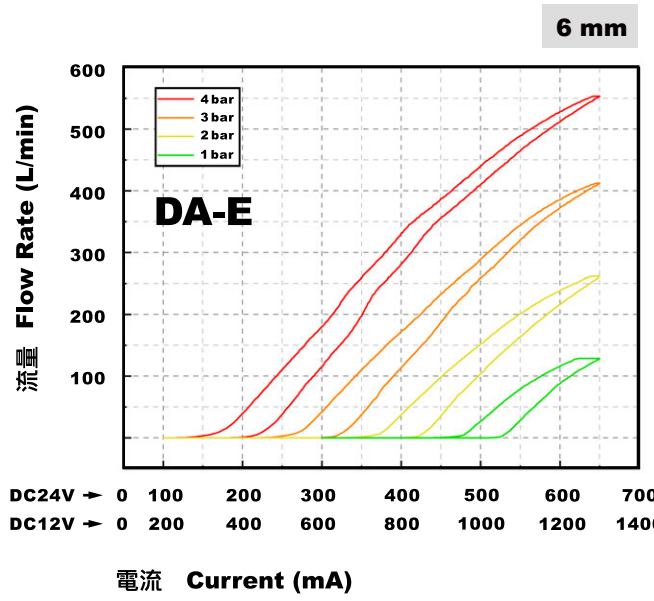
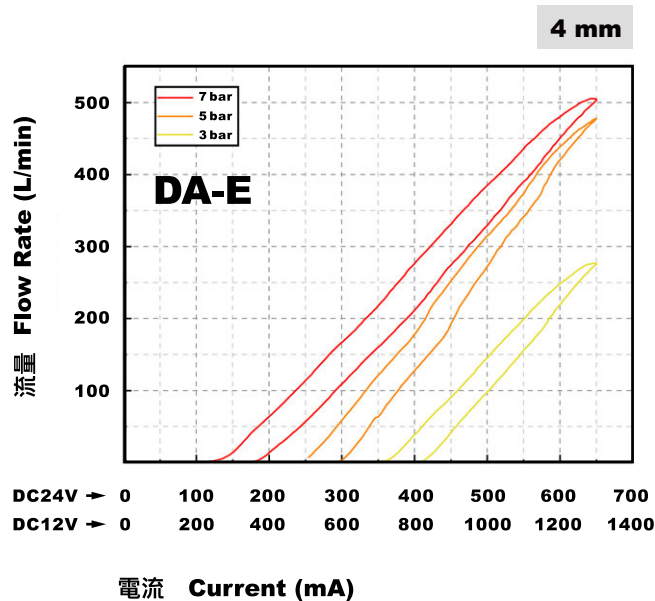
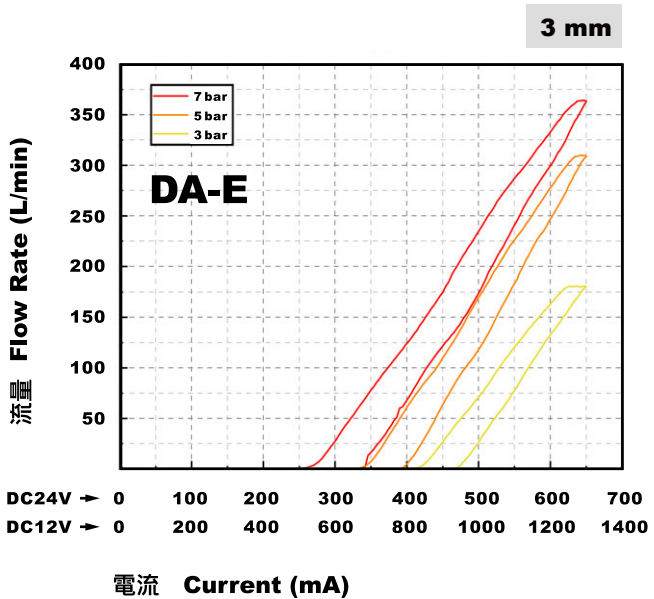
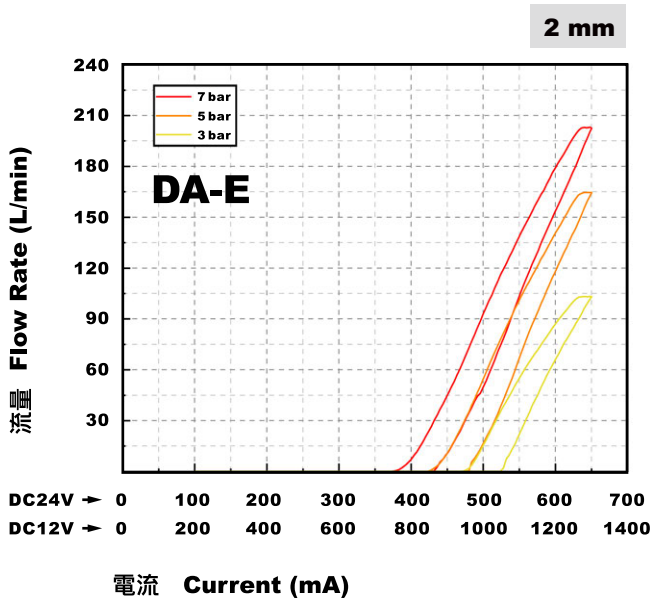
DA-E

PSV800

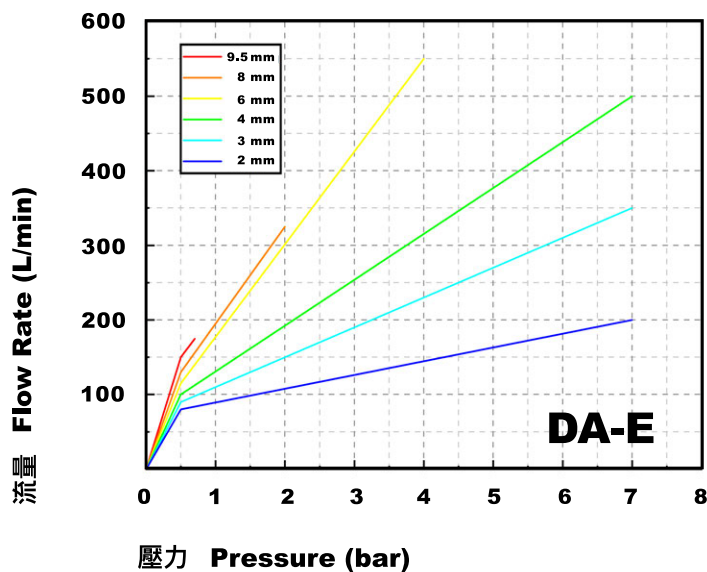
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電流

Current



PSV800-SE71B - 壓力 Pressure



注意事項

PRECAUTIONS

- 使用前請確認流體種類、工作壓力、壓差及環境溫度均符合產品規格，避免超出額定範圍而影響閥體性能及使用壽命
Before operation, ensure that the fluid type, operating pressure, pressure differential, and ambient temperature are within the specified limits to prevent performance degradation and reduced service life.
- 請使用符合產品規格的電源及比例閥驅動器，並確認輸出電流與控制參數設定正確，避免線圈過熱或控制異常
Use a compatible power supply and proportional valve driver. Ensure that the output current and control parameters are correctly configured to prevent coil overheating or control malfunctions.
- 安裝時請依照閥體標示的流向正確配管，避免過度鎖緊接頭或使閥體承受額外應力，以確保正常運作
Follow the flow direction indicated on the valve body during installation. Avoid overtightening fittings or applying excessive mechanical stress to ensure proper operation. When different pressure or vacuum levels are used, consider possible pressure interference between circuits.
- 比例電磁閥運作時線圈可能產生高溫，應確保適當散熱，並避免接觸高溫表面或安裝於超出額定環境溫度的場所
The coil may generate heat during operation. Ensure adequate heat dissipation and avoid contact with hot surfaces or installation in environments exceeding the rated temperature.
- 定期檢查閥體、配管及電氣連接狀況。進行拆卸或維修前，務必切斷電源並釋放系統壓力，以確保操作安全
Regularly inspect the valve body, piping, and electrical connections. Always disconnect the power supply and release system pressure before disassembly or maintenance to ensure safe operation.
- 比例電磁閥的流量控制特性可能受到壓差、流體溫度及驅動電流影響，建議依實際使用條件進行測試與校正，以確保控制穩定性
The flow control characteristics may be affected by pressure differential, fluid temperature, and drive current. Testing and calibration under actual operating conditions are recommended to ensure stable control performance.

