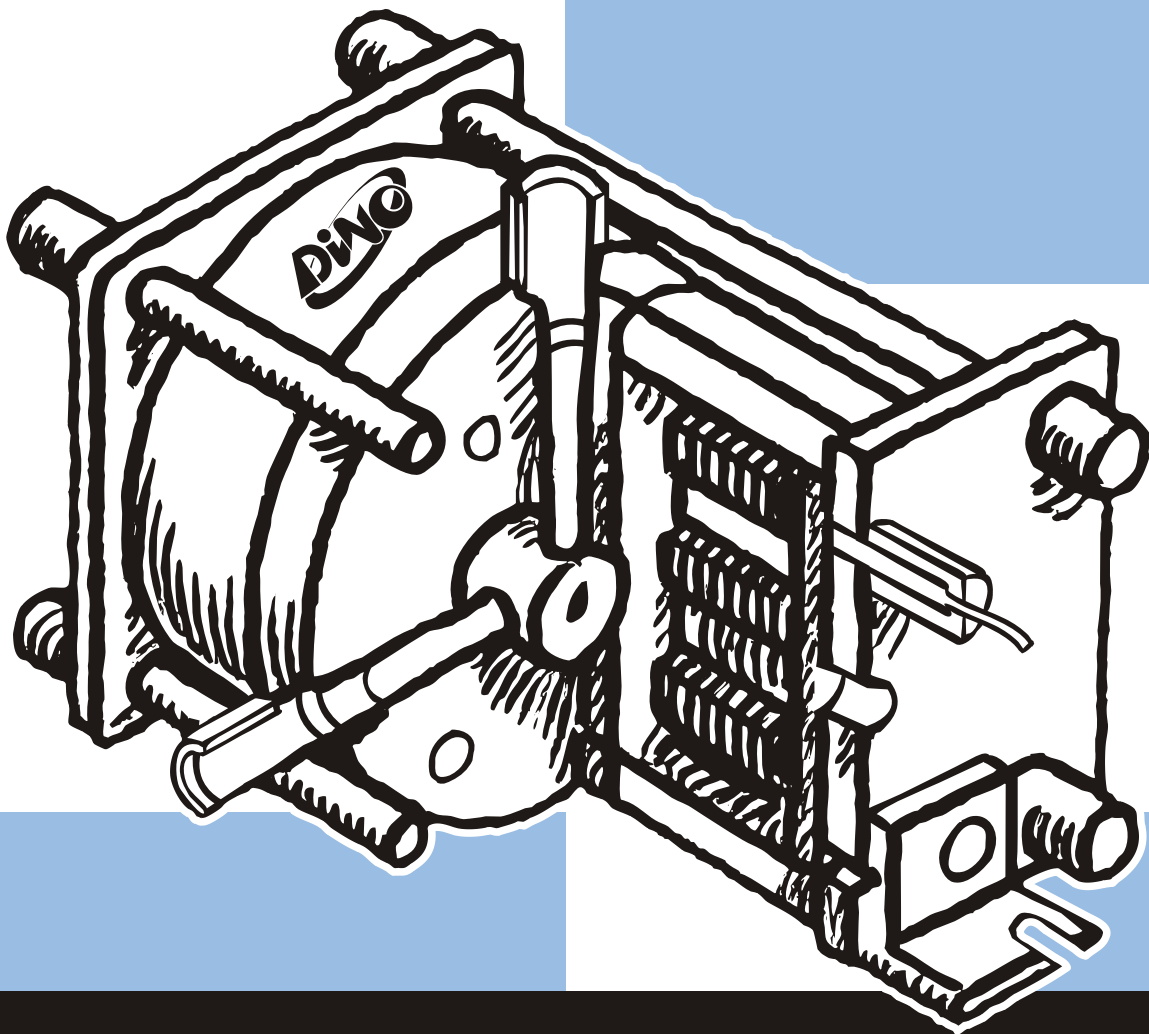




Aerotronic Bellows Pump

Precision Engineered, Chemically Endured.
Innovation that adapts, durability that lasts.
Powering industry, sustaining trust.
Globally trusted, locally supported.
Where stability meets tomorrow's demands.



PUMP precision DINO decision



Energizing Industry, Sustaining Life 節能泵浦，為產業注入綠色心跳



Converging aerodynamic intelligence with digital precision, our next-gen pumps deliver uncompromised efficiency and rock-solid reliability. Engineered for drop-in retrofitting, they decarbonize industries without disrupting production rhythms.

融合空氣動力智能與數位化精密控制，新一代泵浦實現無妥協能效與半導體級可靠度。專為即插即用改造設計，驅動產業減碳無需犧牲生產節奏。

Dedicated 專注 · 深耕

多年技術淬鍊，專注半導體製程痛點

全產品線針對台灣半導體廠「高潔淨度、耐蝕需求」深度客製化。

日本大金PTFE原料獨家耐酸鹼腐蝕性較傳統材質大幅提升。

Forged through years of technological refinement, we specialize in addressing critical challenges in semiconductor manufacturing.

Our full product line offers deeply customized solutions tailored for Taiwanese fabs' ultra-cleanliness requirements and extreme corrosion resistance demands.

Exclusive Daikin PTFE compound formulation delivers significantly enhanced acid/alkali resistance versus conventional materials."

Innovative 創新 · 突破

重新定義氣動效能 · 獨家結構革新

獨家設計R型風囊結構與連結方式，透過立體應力分散實現高壓排放與超長壽命，大幅降低維護頻率。

特殊腳座靈活安裝設計，可以自由替換自有品牌。

Redefining Pneumatic Efficiency with Exclusive Structural Innovations.

Proprietary R-Shaped Bellows System : Unique design and connection mechanism leverage multi-axis stress distribution to enable high-pressure discharge and extended lifespan, reducing maintenance intervals.

Modular Mounting Base : Flexible installation design allows seamless integration with third-party components, empowering rapid brand customization without compromising stability.

Necessary 必要 · 信賴

半導體製程不可或缺的台灣方案

全台唯一專屬半導體售後工程團隊，故障排除反應時間快速。

本土供應鏈垂直整合，交期較進口品牌縮短60%。

The Indispensable Taiwanese Solution for Semiconductor Manufacturing Processes.

Taiwan's Only Dedicated Semiconductor After-Sales Engineering Team : Rapid fault resolution response times.

Vertically Integrated Local Supply Chain : Lead times reduced by 60% compared to imported brands.

Outstanding 卓越 · 超群

MIT的國際級性能，改寫產業規則

輸出效率較日系同級產品提升20%。

10,000小時連續運轉實測，效能衰減率<5%。

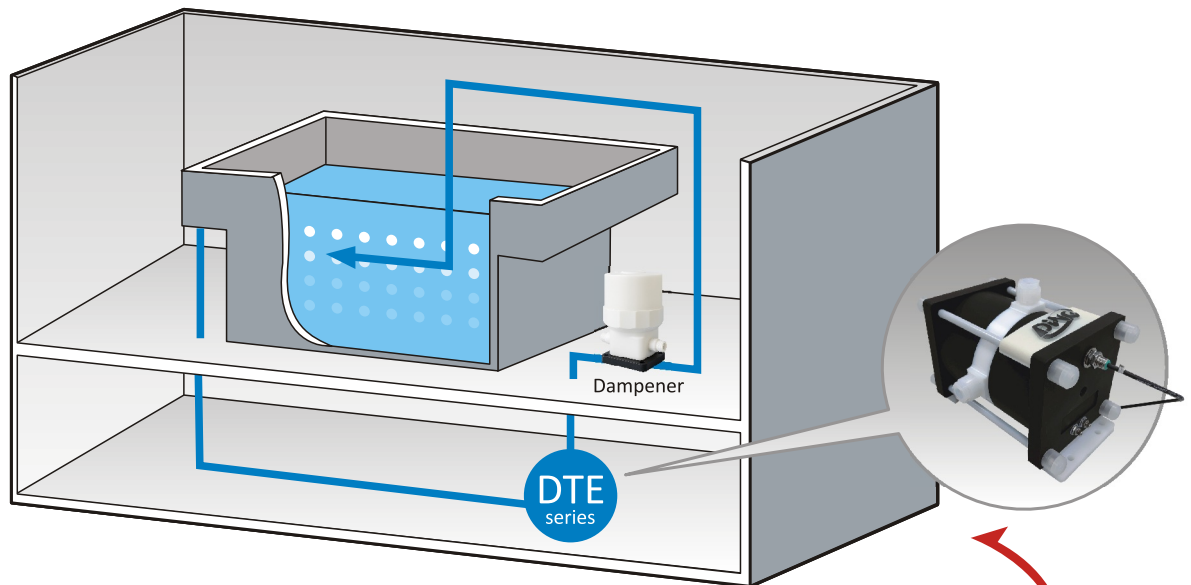
MIT-Certified Global Performance, Redefining Industry Standards.

20% Higher Output Efficiency compared to Japanese counterparts in the same class.

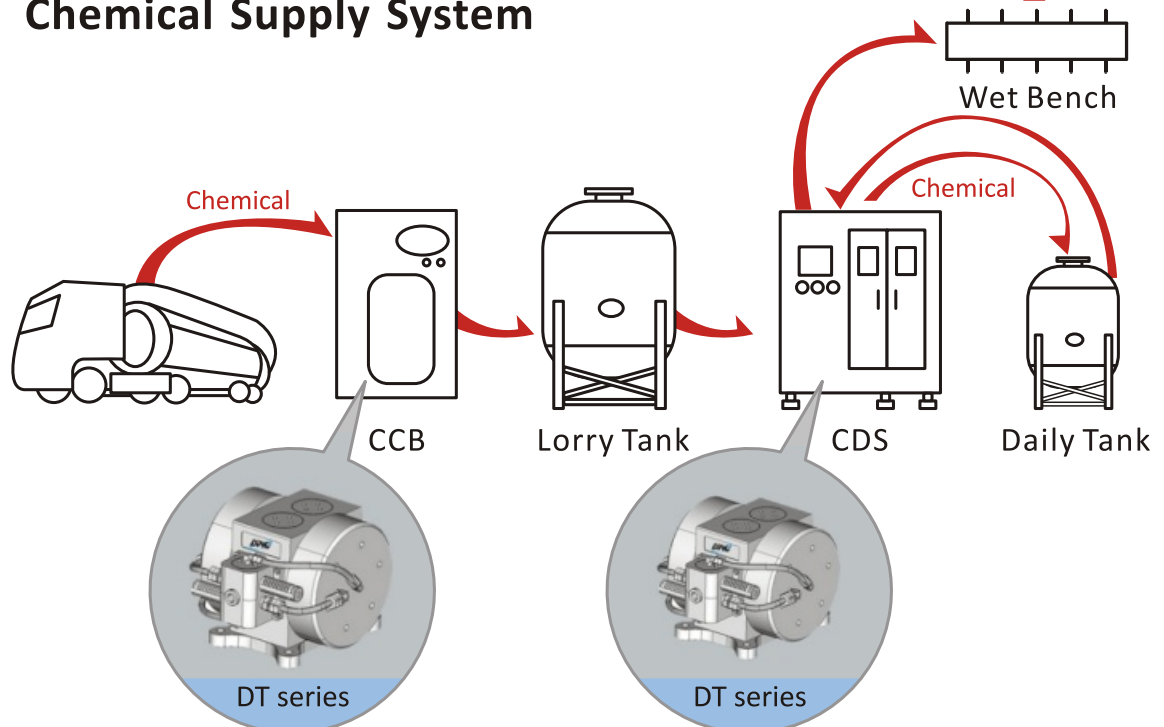
10,000-Hour Continuous Operation Validation with < 5% Performance Degradation Rate.

Example of Installation 安裝示意圖

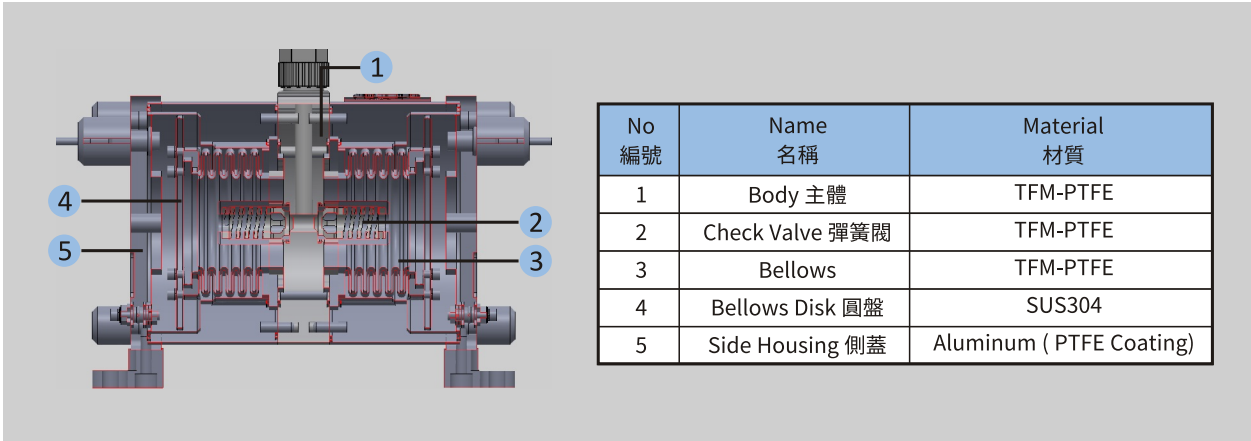
Wafer Wet Bench



Chemical Supply System



Sectional View 剖面圖



Specification 規格

Model 型號	DTE-15			DTE-30			DTE-60		
Max. discharge capacity 最大流量(LPM)	15			40			67		
Max. air supply pressure 最大氣源壓力(MPa)	0.15-0.5	0.15-0.3	0.15-0.2	0.15-0.5	0.15-0.3	0.15-0.2	0.15-0.5	0.15-0.3	0.15-0.2
Liquid temperature rage 液體溫度(°C)	5-50	51-100	101-180	5-50	51-100	101-180	5-50	51-100	101-180
Max.air consumption 最大耗氣量(Nm³/h)	17.5	10.2	6.5	39.5	23.7	15.6	46.2	29	19.2
Max. stroke speed 最大衝程速度(SPM)	192			202			158		
Pump connection size 接口尺寸	1/2" (Super 300 type)			3/4" (Super 300 type)			1"(Super 300 type)		
Suction lift 自吸揚程(M)	1			2			2		
Air source connection 氣源接口尺寸 (INCH)	Rc 1/4"			Rc 3/8"			Rc 3/8"		
Ambient temperature 環境溫度 °C (°F)	0~40 °C (32~104 °F)								
Source voltage 電壓(V)	10 ~ 60								
Drive system 驅動系統	By proximity switch								
Output type 輸出類型	NPN / DC								
Allowable differential pressure of bellows Bellows 容許壓差(MPa)	0.1								
Weight 重量(KG)	8			19			35		

Notes 注意事項

1. Recommended operating condition:
Air supply pressure should be between 0.3 and 0.4 MPa.

2. Please read the product operation manual carefully before use.

3. The maximum discharge volume value is based on pure water at room temperature.

4. The self-priming value is based on the maximum stroke speed with pure water at room temperature.

5. Allowable differential pressure of bellows =
Differential between discharge and supply air pressure.
1. 建議操作條件：氣源壓力操作介於0.3-0.4MPa之間。

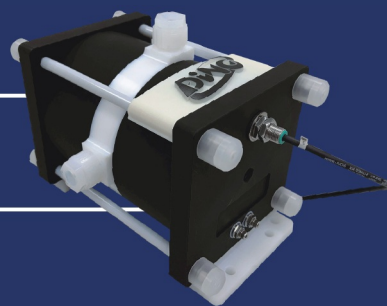
2. 使用產品之前，請詳讀產品操作手冊。

3. 最大排出量的數值是以室溫下的純水為基準測得。

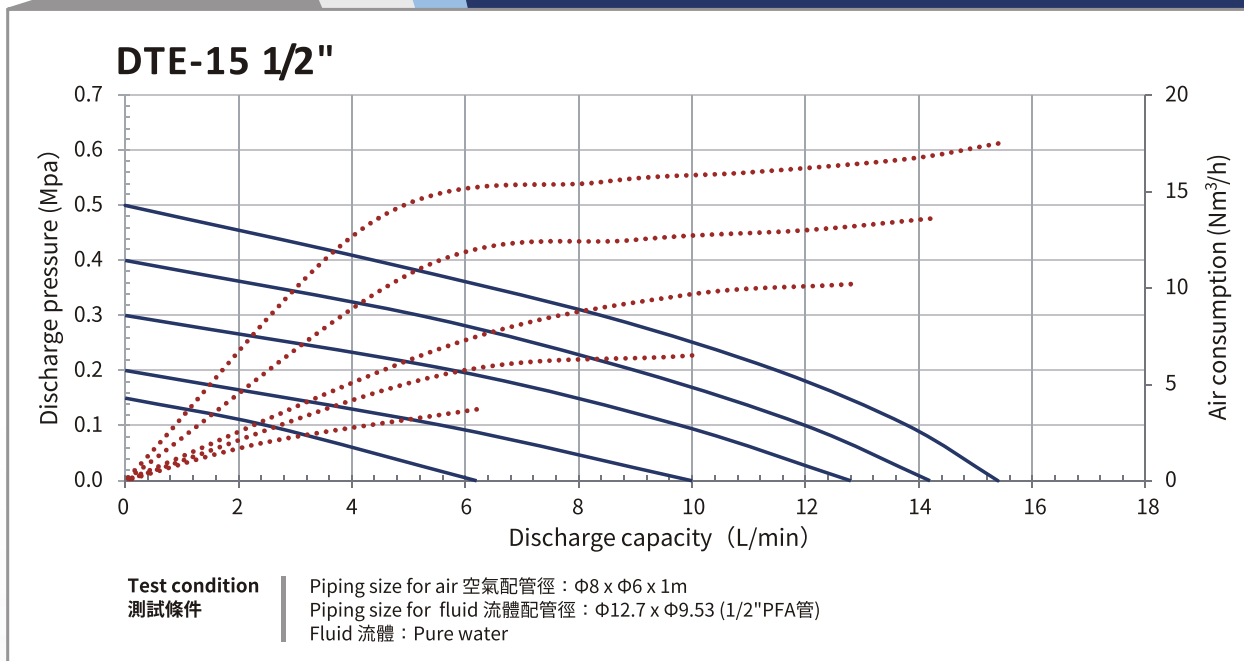
4. 自吸高度的數值是以室溫下的純水，
在最大行程速度下測得。

5. Bellows 容許壓差 = 供給空氣壓力-吐出壓力

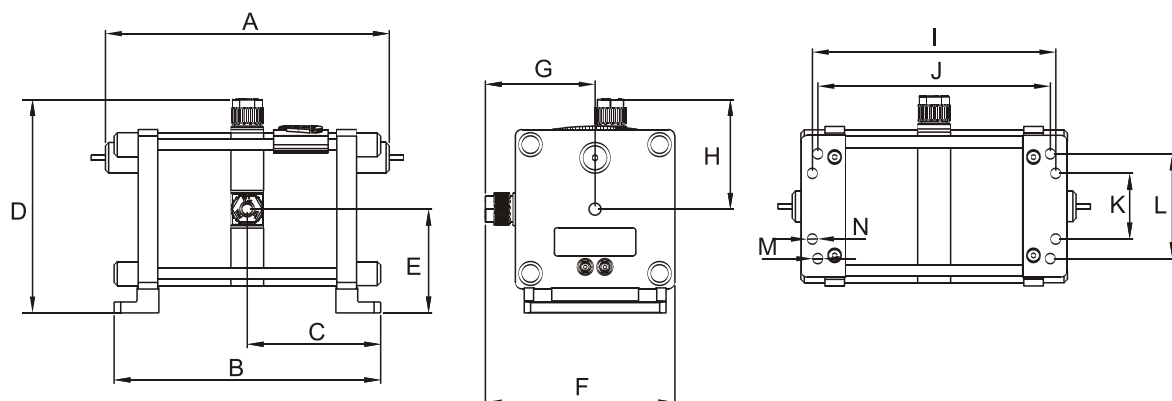
DTE-15



Performance Curve 性能曲線圖



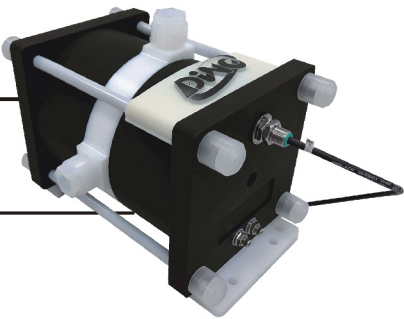
Dimensions 尺寸圖



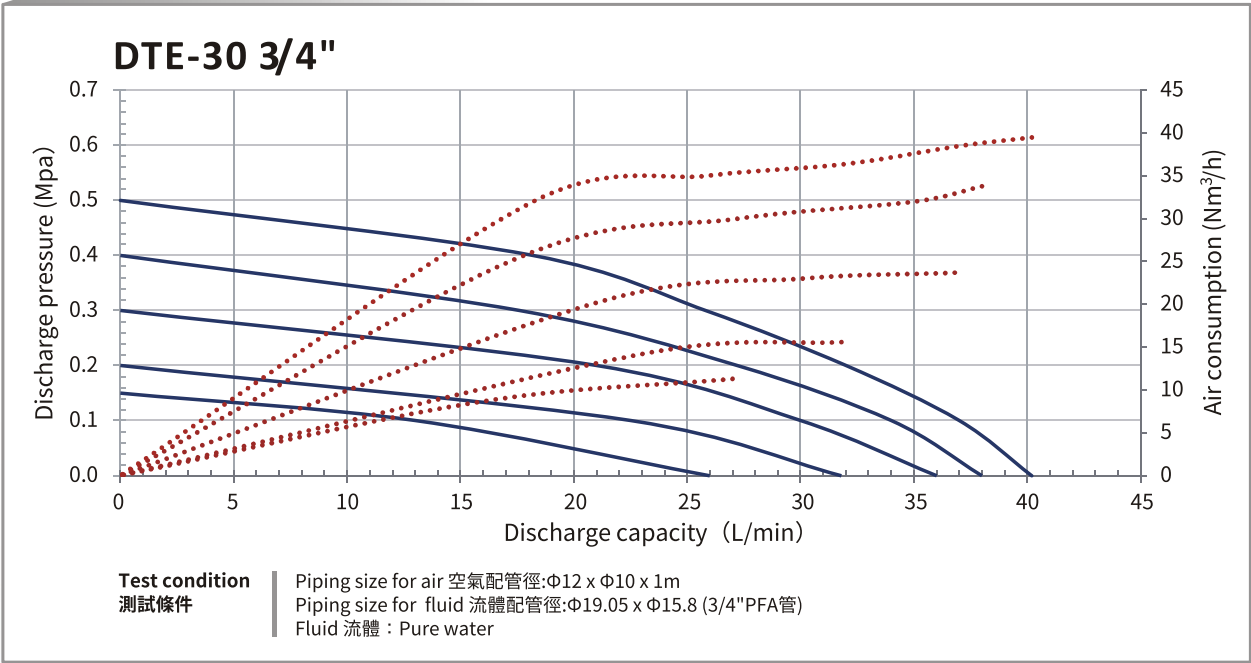
單位 mm

Model 型號	A	B	C	D	E	F	G	H	I	J	K	L
DTE-15	260	244	122	195.5	95	173.5	100.5	100.5	223	213	60	96

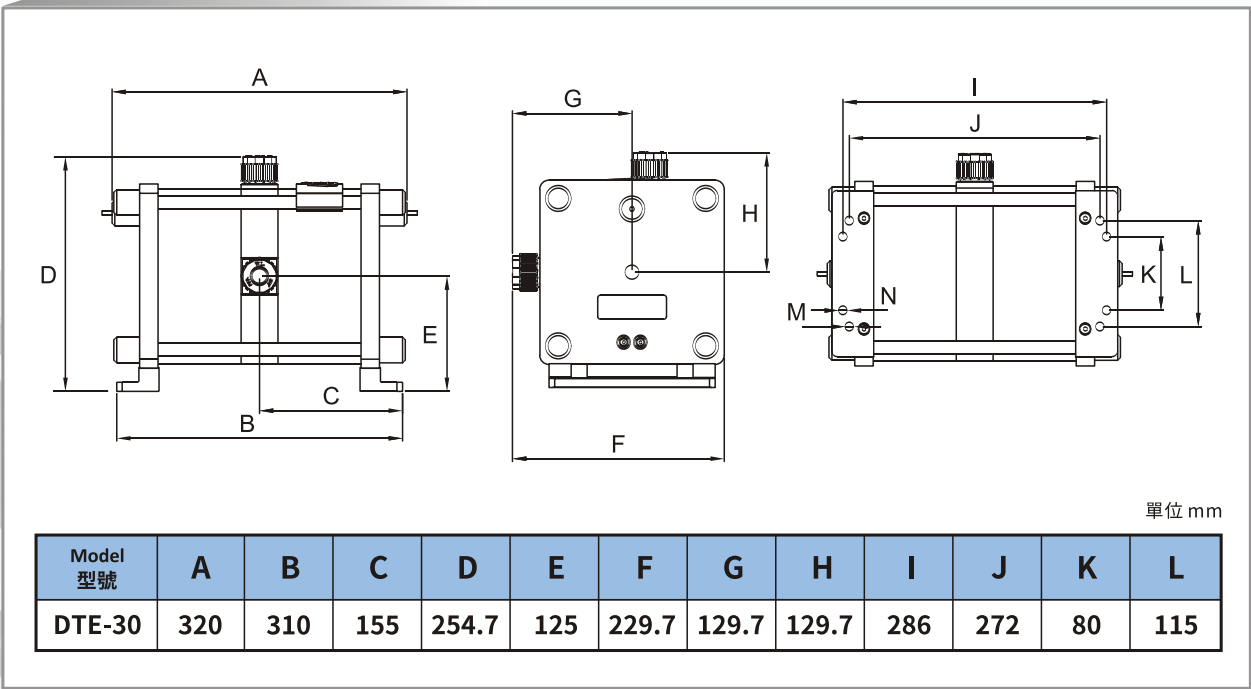
DTE-30



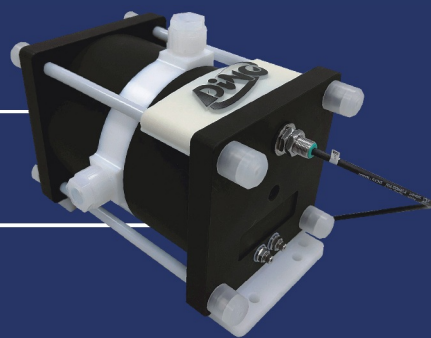
Performance Curve 性能曲線圖



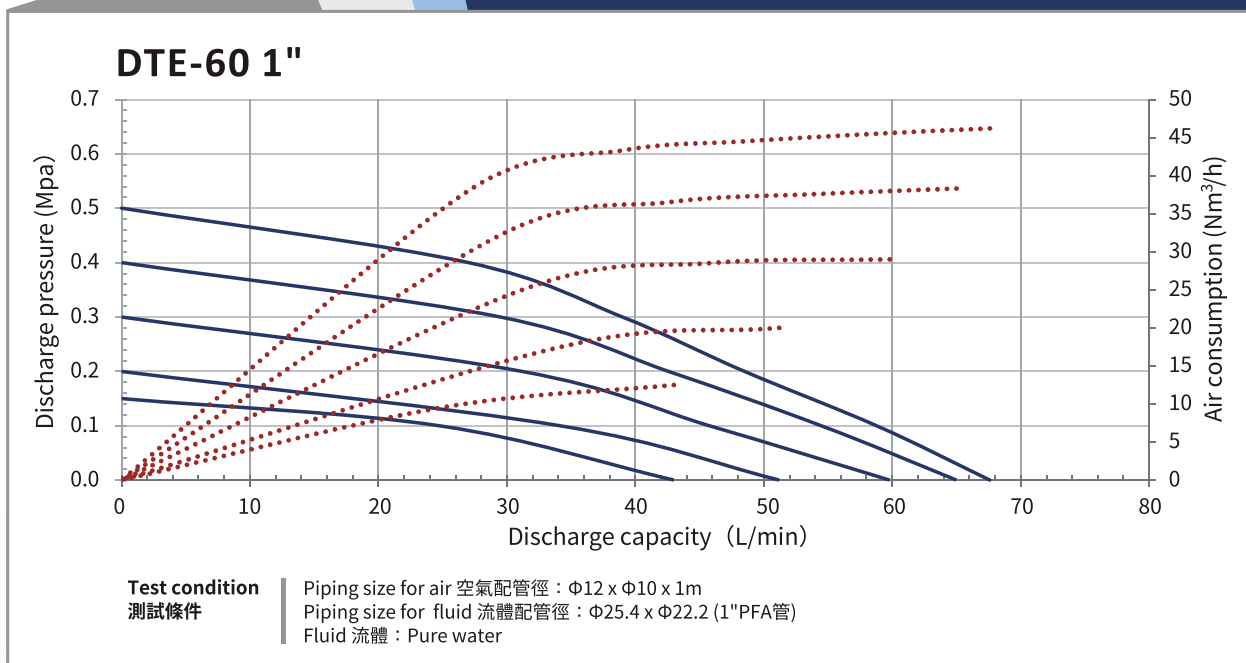
Dimensions 尺寸圖



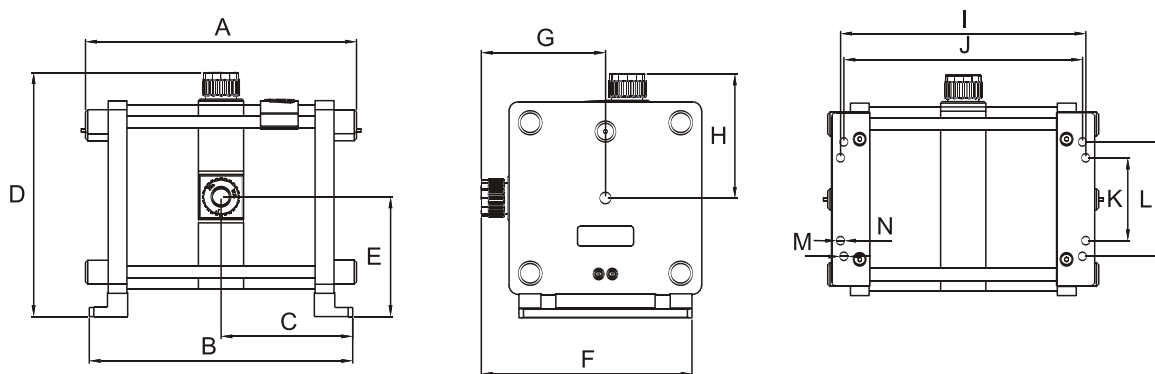
DTE-60



Performance Curve 性能曲線圖



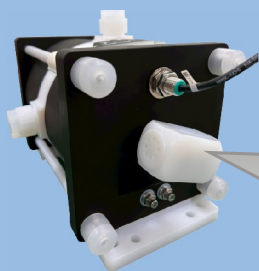
Dimensions 尺寸圖



單位 mm

Model 型號	A	B	C	D	E	F	G	H	I	J	K	L
DTE-60	360	350	175	324	159	280	165	165	326	317	110	152

Optional Accessoris 配件



Models 型號	Connection Size接頭尺寸	Applied Pumps 適用泵浦機型
VEQ-1	1/4" NPT	DTE-15
VEQ-2	3/8" NPT	DTE-30、DTE-60

Quick Exhaust Valve 快速排氣閥

This device is installed at the interface between the pump flank and the solenoid valve, blocking gas backflow pathways to fundamentally eliminate chemical corrosion risks in the solenoid. Simultaneously, the optimized exhaust flow path design reduces bellows actuation resistance, ensuring ultra-stable pump stroke consistency even under high-cycle semiconductor process demands.

本裝置安裝於泵浦側邊與電磁閥之間形成介面，可阻斷氣體回流路徑，從根本上消除電磁閥化學腐蝕風險；同步優化排氣流道設計，使風囊作動阻力降低，確保泵浦作動行程穩定性。



Dampener 脈衝吸收器

This pulsation dampener absorbs periodic pressure fluctuations generated by pump actuation, suppressing fluid delivery pressure fluctuations within ± 0.15 bar to ensure process stability. It buffers pipelines against pressure surge-induced damage while reducing reverse impact loads on internal check valves and seals, extending pump service life by over 30%. The device minimizes pipeline resonance to enhance energy efficiency and enables intelligent pressure compensation through PLC integration, adapting seamlessly to variable flow conditions.

DTE-T2 吸收泵浦作動產生的周期性壓力波動，將流體輸送壓力波動幅度抑制在 ± 0.15 bar 以內，確保製程穩定性，緩衝管路因壓力突波損壞，降低泵浦內逆止閥件與密封件承受的反向衝擊負載，延長主機壽命，減少管線共振現象提升使用效率，與 PLC 聯動實現智能壓力補償，適應變流量工況。



Optional 選配

This optional configuration is made from highly transparent polyvinylidene fluoride (PVDF) material, offering excellent chemical corrosion resistance, high-temperature resistance, and weather resistance. It features outstanding flame-retardant properties, along with flexibility, abrasion resistance, and solvent resistance. Primarily used for encapsulating high-temperature electronic components, wires, and connectors.

此選配方案是以高透明度的聚偏二氟乙烯材質製作而成，具有良好的耐化學腐蝕性，耐高溫及耐候性，優異的阻燃性能，柔軟、耐磨擦、耐溶劑，主要用來包覆耐高溫電子元件與電線、接頭。