



PROPISTON HYDRAULICS CO., LTD.

大正油壓機械股份有限公司



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PROPISTON HYDRAULICS CO., LTD.

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PROPISTON HYDRAULICS CO., LTD.

大正油壓機械股份有限公司



*mainly manufactures
piston pump
various hydraulic valves
and hydraulic parts*



創勢 — 突破開創 優勢必得

大正油壓機械股份有限公司自1979年成立以來,以優異的技術專業,與不斷突破創新的經營指標,歷經數十年來的耕耘與長期致力於自主研發能力的優勢提升,不僅擁有前瞻的企業視野,更奠定「專業」與「完備」的領先競爭力與頂尖的企業體質。



Invasion - Breakthrough and Predominance

Based upon our outstanding technical expertise as well as constant breakthroughs and innovation, PROPISTON Hydraulics Co., Ltd. since its inception in 1979, it experiences decades of hard working and long-term commitment to R & D capabilities to enhance its advantage. Not only has a forward-looking corporate vision, but also lay on "professional" and "complete" leading competitiveness and leading enterprise constitution.



大正油壓致力於產品研發、改良,主要生產柱塞式幫浦以及製造各種液壓閥等油壓零件。2001年底,因應公司快速成長,規模日益壯大,擴建位於台中市大里區佔地1600 平方公尺之嶄新廠區,以更具規模的生產線,締造大正油壓更磅薄的企業實績。

Commitment to product development and improvement, PROPISTON mainly manufactures piston pump, various hydraulic valves, and hydraulic parts. In the end of 2001, facing company rapid growth and growing scale, PROPISTON expands new factory with 1,600 square meters in Dali District, Taichung City for a larger scale of production line to solid PROPISTON corporate performance.



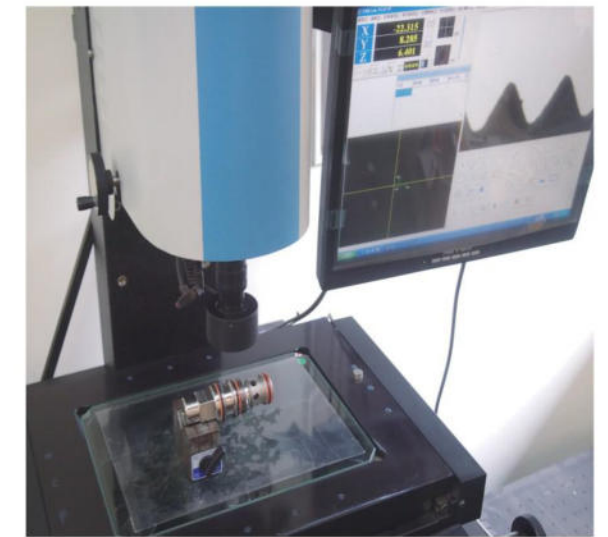
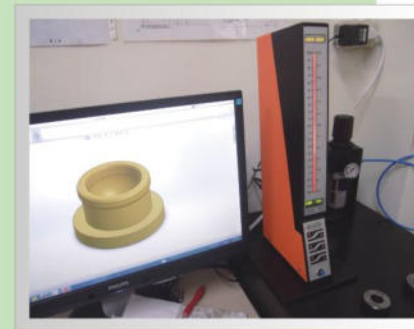
品卓 — 極致標竿 創新卓越

為提升產品的品質及創新全面引進先進品質檢測設備,包含三次元、投影機、洛氏硬度機、表面粗糙度機與真圓度機,使大正油壓的品質深度與廣度,都持續朝向頂尖的目標邁進;以嚴謹而深遠的品質策略與堅持,使大正油壓通過嚴格的「ISO-9001 2000」國際品質認證,堅持『追求卓越、技術創新』的信條,與全體大正人專注於品質超越的使命感,帶領產品品質永續精進,邁向全球標竿。

Outstanding

- Ultimate Benchmark for Innovation and Superiority

Comprehensive introduction of advanced quality test equipments including Coordinate Measurement Machine, projector, Rockwell hardness tester, surface roughness machine, and true roundness machine had enable PROPISTON to greatly enhance the quality of our products to meet the High Quality Standards and Requirements for our clients. With our strict Quality Control Procedures, we had pass the strict "ISO-9001 2000" International Quality Certification in year 2006 PROPISTON adhere to the "Pursuit of Excellence & Technological Innovation" creed which helps all our staffs to focus on superior product quality and lead our products to meet the global benchmarks.



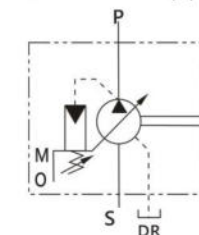
泵浦 Hydraulic Pumps			
AR	AR 系列柱塞泵	AR Series Variable Piston Pumps	3
A	A 系列柱塞泵	A Series Variable Piston Pumps	8
P	P 系列柱塞泵	P Series Variable Piston Pumps	16
壓力控制閥 Hydraulic Pumps			
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BG/BT	先導式溢流閥	Pilot Operated Relief Valves	21
SBG	先導式溢流閥低噪音型	Low Noise Type Solenoid Controlled Relief Valves	23
BSG	電磁控制溢流閥	Solenoid Controlled Relief Valves	25
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MCA	壓力背壓閥	Back Valves	37
RG/RCG	減壓閥	Pressure Reducing Valves	38
BUCG	壓力卸載溢流閥	Unloading Relief Valve	42
ST	緩衝閥	Shock Less Valves	44
DB	先導式溢流閥	Pilot Operated Relief Valves	45
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SDF	流量電磁控制節流閥	Solenoid Operated Flow Control Valves	50
SF-※-D	流量電磁控制節流閥	Solenoid Operated Flow Control Valves	51
SD	流量電磁控制節流閥	Solenoid Operated Flow Control Valves	52
SKF	流量電磁控制節流閥	Solenoid Operated Flow Control Valves	53
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MHA-03 系列	疊加式抗衡閥	Counterbalance Modular Valves	106
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MCP-01 系列	疊加式單向閥	Check Modular Valves	113
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■ AR 16 . AR 22



- 低噪音、高效率。
- 軸向、側向出入口選擇。
- 節省油箱配管及空間。

- Low noise and high efficiency.
- Options for Axial port and Side port.
- To save the piping of the tank and the space.



■ 型號意義 How to order :

AR16 - F R 01 - B - S

1 2 3 4 5 6

1	系列號	Series AR16 (15.8 cm ³ /rev) AR22 (22.2 cm ³ /rev)
2	安裝形式 F : 法蘭安裝	Type of Mounting F : Flange Mounting
3	迴轉方向 (從軸端看) R : 順時針 (標準)	Direction of Rotation (View from the Shaft End) R : Clockwise (Normal)
4	控制方式 01 : 壓力控制閥	Control Type 01 : Pressure Compensator Valve
5	壓力調整範圍	Pressure Adj. Range B : 1.2~7 MPa A : 0.2~4.0MPa C : 2.0~16 MPa
6	吸入口，輸出口方向 S : 側向出口 (標準) 無記號：軸向出口	Suction Port Position (View From Shaft end) S : Side Port (Normal) None : Axial Port

■ 規 格 Specifications :

型號 Model	理論排量 Geometric Displacement (cm ³ /rev)	最低調整壓力 Min. Adj. Pressure MPa	最高使用壓力 Max Operating Pressure MPa	容許迴轉速 Rotation Speed Range (r/min)		最小調整流量 Min. Adj. Flow (cm ³ /rev)	重 量 Weight (kg)
				最高 Max.	最低 Min.		
AR16-FR01※	15.8	1.2	16	1800	600	AR16 : 6	13.3
AR16-FR01※S							14.3
AR22-FR01※	22.2					AR22 : 8.5	13.6
AR22-FR01※S							14.6

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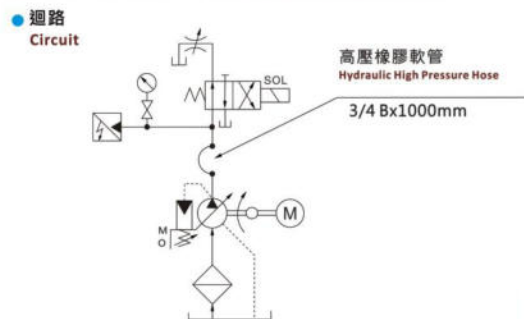
油壓泵 Hydraulic Pumps

AR 系列柱塞泵 AR Series Variable Piston Pumps

■ 應答特性 Response Characteristic :

- 響應特性隨迴路和工作條件而異。下示測試實例：
- Response characteristics change in accordance with circuits and operating conditions. Please see below testing results.

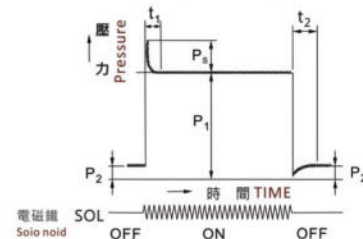
◆ 測試迴路和條件 Test Circuit and Conditions



- 條件 Conditions

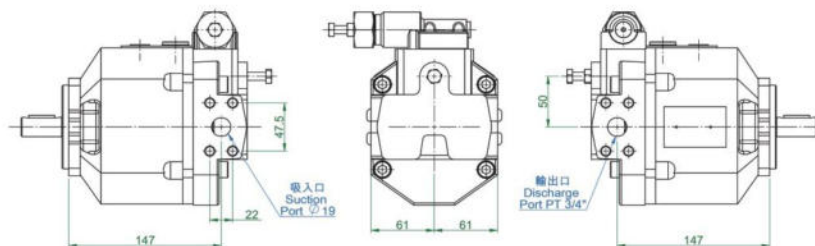
轉速 Drive Speed : 1500 r/min
油品 Hydraulic Fluid : ISO VG32 oil
油溫 Oil Temperature : 50 °C
黏度 Viscosity : 20 mm²/S

◆ 測試結果 Result of Measurement

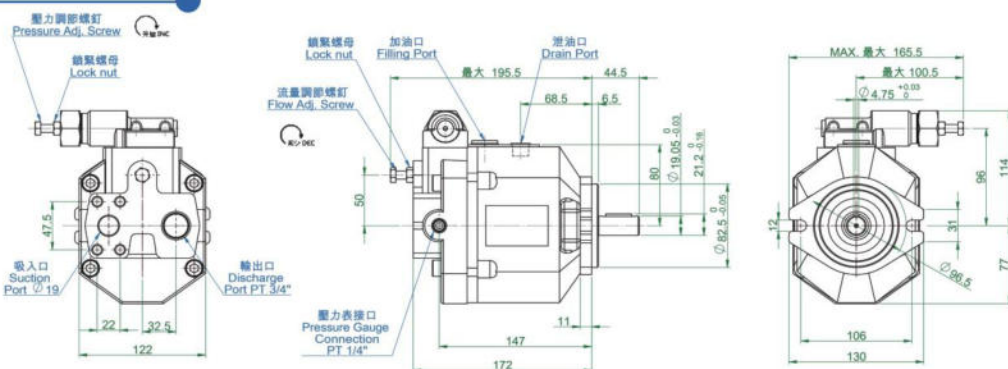


型號 Model	全載流壓力 Full Cut-off Pressure MPa	響應時間 (ms) Response Time		突壓(MPa) Overshoot Pressure
	P1	t1	t2	Ps
AR16	15.8	60	65	5.6
AR22		70	70	7.3

AR16-FR01 ✖ S
AR22-FR01 ✖ S



AR16-FR01 ✖
AR22-FR01 ✖



※安裝泵時,使加油口在頂部。
※Install the pump so that the "Filling Port" is at the top.

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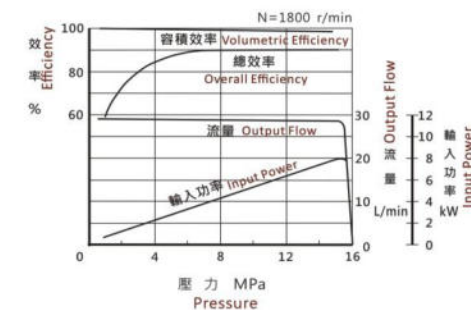
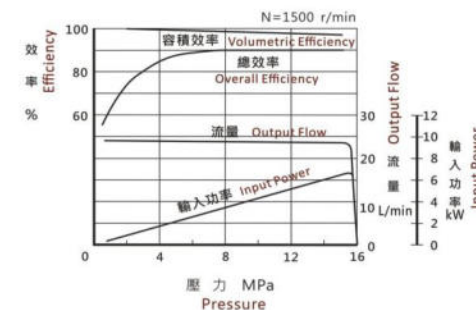
油壓泵 Hydraulic Pumps

AR 系列柱塞泵 AR Series Variable Piston Pumps

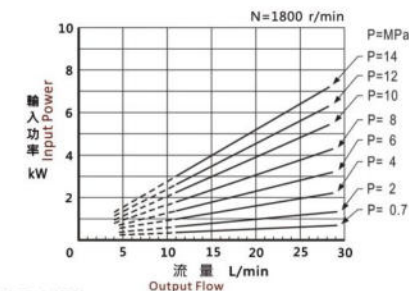
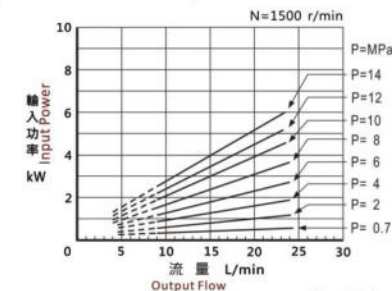
■ AR16 型特性 Performance Characteristic Curv :

- 下述特性為黏度20 mm²/S [ISO VG32 油溫50° C] 時的典型特性。

◆一般性能 Performance Characteristic Curve

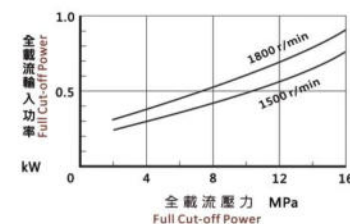


◆輸入功率特性 Input Power

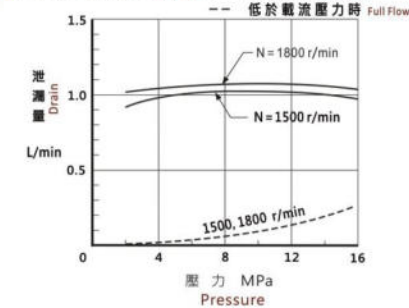


註：圖中-----部分表示小於最小調節。

◆全載流 輸入功率特性

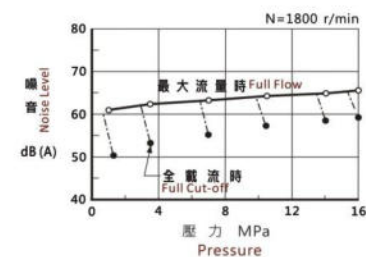
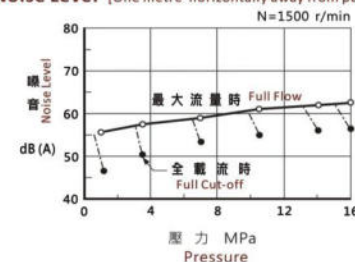


◆ 泄漏量特性 Drain —— 全載流時 Full Cut-off



◆ 噪音特性 (例) [測量位置：泵浦後方 1M]

Noise Level [One metre horizontally away from pump head cover]





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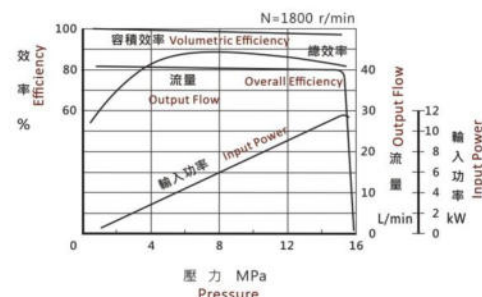
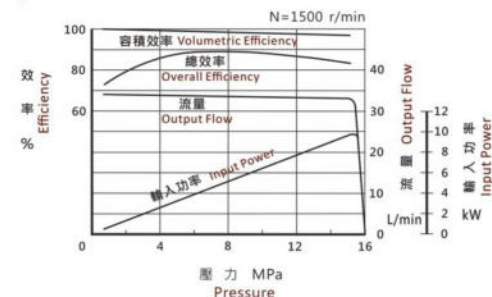
油壓泵 Hydraulic Pumps

AR 系列柱塞泵 AR Series Variable Piston Pumps

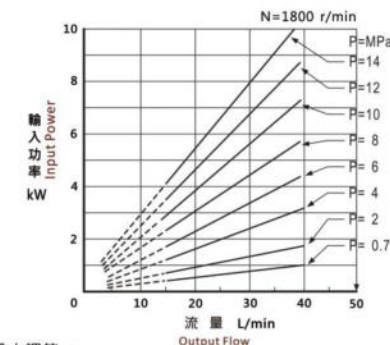
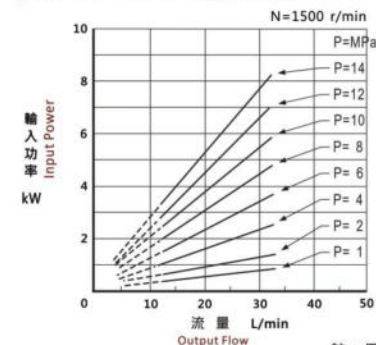
■ AR22 型特性 Performance Characteristic Curve :

- 下述特性為黏度20 mm²/S [ISO VG32 油溫50° C] 時的典型特性。
- Typical Pump Characteristics of Type "AR22" at Viscosity 20 mm²/s [ISO VG32 Oils, 50°C]

◆一般性能 Performance Characteristic Curve

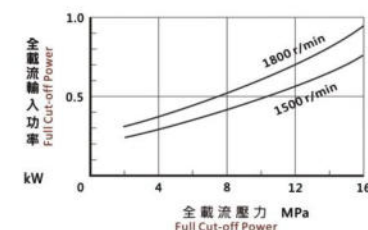


◆輸入功率特性 Input Power

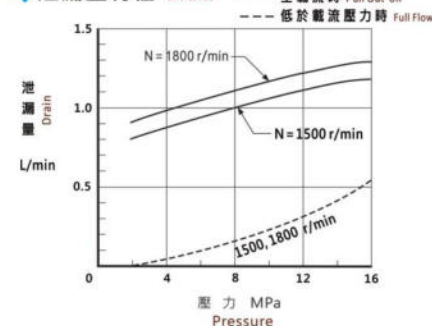


註：圖中-----部分表示小於最小調節。

◆全載流 輸入功率特性 Full Cut-off Power

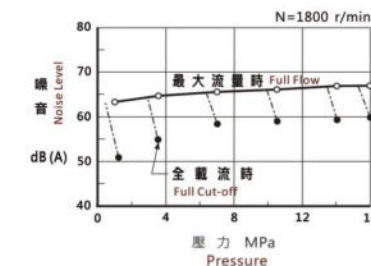
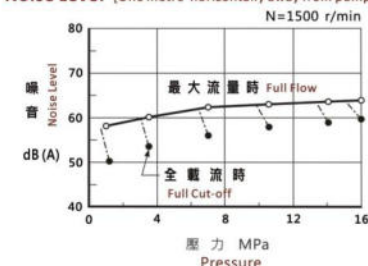


◆洩漏量特性 Drain



◆噪音特性 (例) [測量位置：泵浦後方 1M]

Noise Level [One metre horizontally away from pump head cover]



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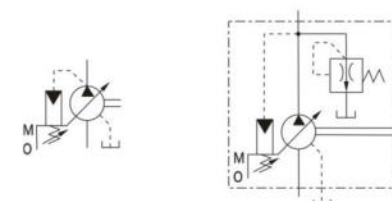
油壓泵 Hydraulic Pumps

A 系列柱塞泵 A Series Variable Piston Pumps

■ A10 ~ A56

- 低噪音、高效率。
- 節能、發熱量小。

- Low noise and high efficiency.
- Accomplishment of energy-saving and low heat generation.



■ 型號意義 How to order :

A16 - FR 01 - B - S - K
1 2 3 4 5 6 7

1	系列號	Series A10 (10.8 cm ³ /rev) A16 (15.8 cm ³ /rev) A22 (22.2 cm ³ /rev) A37 (36.9 cm ³ /rev) A56 (56.2 cm ³ /rev)	
2	安裝形式 F : 法蘭安裝	Type of Mounting F : Flange Mounting	
3	迴轉方向 (從軸端看) R : 順時針 (標準)	Direction of Rotation (View from the Shaft End) R : Clockwise (Normal)	
4	控制方式 01 : 壓力控制閥	Control Type 01 : Pressure Compensator Valve	
5	壓力調整範圍	Pressure Adj. Range A10 / A16 / A22	Pressure Adj. Range A37 / A56
		A : 0.2~4.0 MPa H : 1.2~21MPa B : 1.2~7 MPa C : 2.0~16 MPa	B : 1.2~7 MPa C : 2.0~16 MPa H : 1.2~21MPa
6	接口位置 S : 側向出口 (標準) 無記號 : 軸向出口	Port Position S : Side Port (Normal) None : Axial Port	
7	軸伸形狀 K : 平鍵型	Shaft Extension K : Keyed Shaft	



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油壓泵 Hydraulic Pumps

A 系列柱塞泵 A Series Variable Piston Pumps

■ 規格 Specifications :

型號 Model No.	理論排量 Geometric Displacement (cm ³ /rev)	最小調整流量 Min. Adj. Flow (cm ³ /rev)	使用壓力 Operating Pressure MPa		容許迴轉速 Rotation Speed Range (r/min)		重量 Weight (kg)
			*1 額定 Pressure MPa	*2 最高 Intermittent	最高 Max.	最低 Min.	
A10-FR01	10.0	2	16	21	1800	600	10.9
A16-FR01	15.8	4	16	21			19.3
A22-FR01	22.2	6	16	21			19.3
A37-FR01	36.9	10	16	21			27.6
A37-FR01-S	36.9	10	16	21			30.5
A56-FR01	56.2	12	16	21			35
A56-FR01-S	56.2	12	16	21			37

*1 設定壓力時，必須確保全載流壓力永不超過允許的最高工作壓力。

*2 在壓力高餘額定值情況下使用時，泵的工作條件應受到限制，詳情請諮詢大正或業務代表。

*1 Whenever setting pressure, make sure the full cut-off pressure never exceeds the maximum intermittent pressure.

*2 Care should be taken in cases of used at a higher pressure than the rated pressure, because operating terms may be restricted. Consult factory or PROPISTON sales representative for further information.

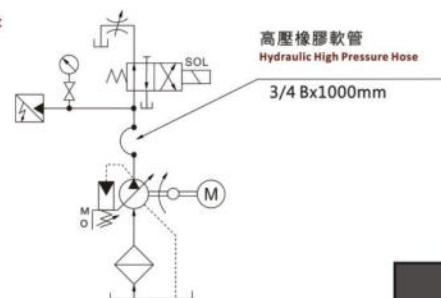
■ 應答特性 Response Characteristic :

• 響應特性隨迴路和工作條件而異。下示測試實例：

• Response characteristics change in accordance with circuits and operating conditions. Please see below testing results.

◆ 測試迴路和條件 Test Circuit and Conditions

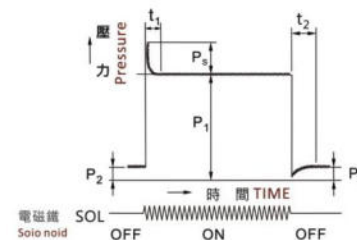
● 迴路
Circuit



● 條件 Conditions

轉速 Drive Speed : 1500 r/min
油品 Hydraulic Fluid : ISO VG32 oil
油溫 Oil Temperature : 50 °C
黏度 Viscosity : 20 mm²/S

◆ 測試結果 Result of Measurement



型號 Model	全載流壓力 Full Cut-off Pressure MPa	響應時間 (ms) Response Time		突壓(MPa) Overshoot Pressure
	P1	t1	t2	Ps
A10	21	100	75	2.6
A16	16	38	59	3.6
A22	16	40	72	5.9
A37	16	40	78	7.8
A56	16	38	88	7.6



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油壓泵 Hydraulic Pumps

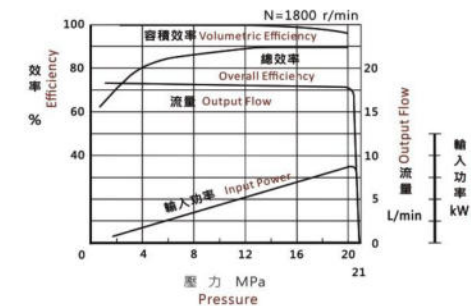
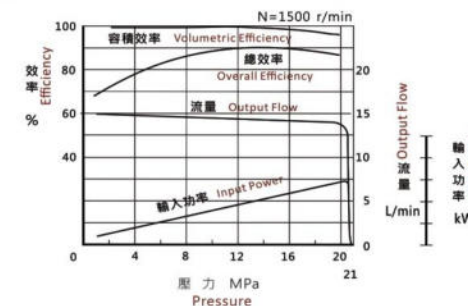
A 系列柱塞泵 A Series Variable Piston Pumps

■ A10 型特性 Performance Characteristic Curve :

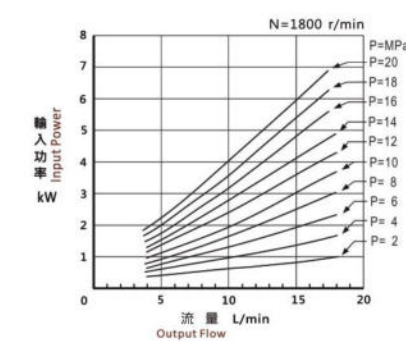
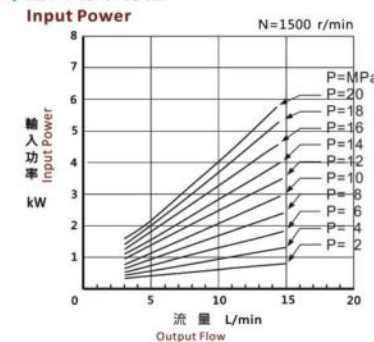
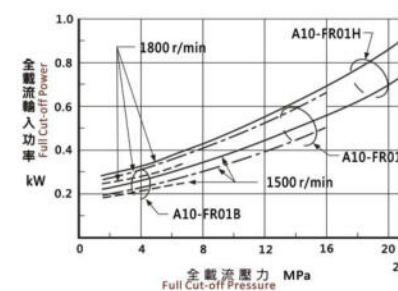
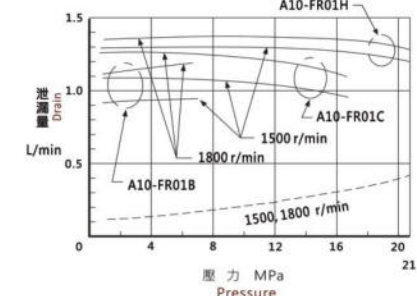
• 下述特性為黏度20 mm²/S [ISO VG32油溫50° C] 時的典型特性。

• Typical Pump Characteristics of Type "A10" at Viscosity 20 mm²/s [ISO VG32 Oils, 50°C]

◆ 一般性能 Performance Characteristic Curve

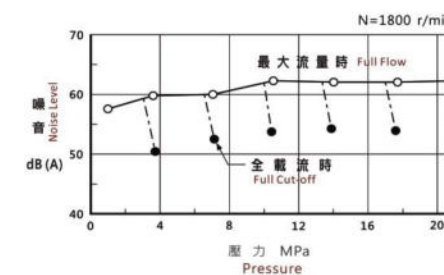
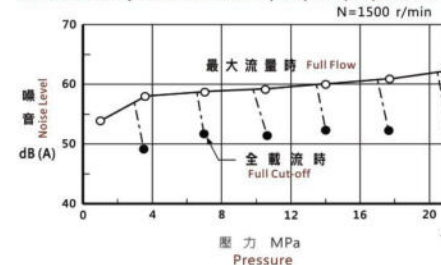


◆ 輸入功率特性

◆ 全載流 輸入功率特性
Full Cut-off Power◆ 洩漏量特性
Drain

◆ 噪音特性 (例) [測量位置：泵浦後方 1M]

Noise Level [One metre horizontally away from pump head cover]





PROPISTON

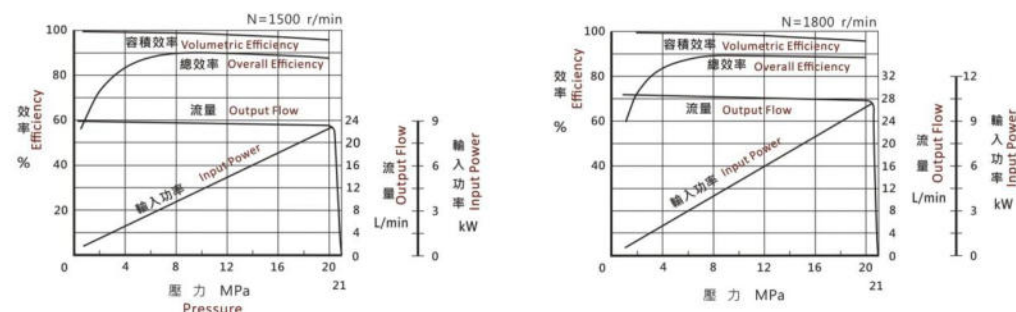
油壓泵 Hydraulic Pumps

A 系列柱塞泵 A Series Variable Piston Pumps

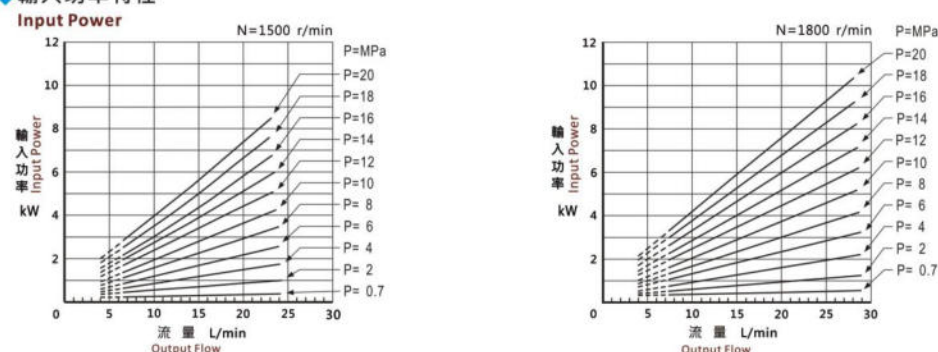
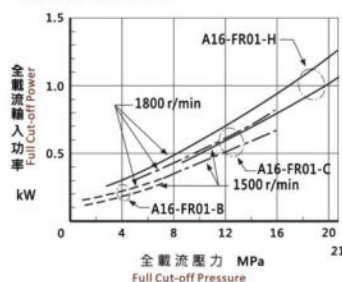
■ A16 型特性 Performance Characteristic Curv :

- 下述特性為黏度20 mm²/S [ISO VG32油溫50° C] 時的典型特性。
- Typical Pump Characteristics of Type "A16" at Viscosity 20 mm²/s [ISO VG32 Oils, 50°C]

◆一般性能 Performance Characteristic Curve

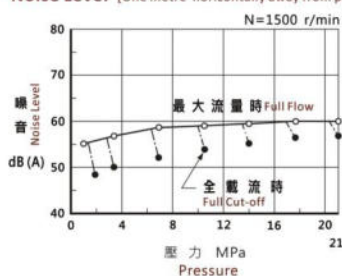


◆輸入功率特性

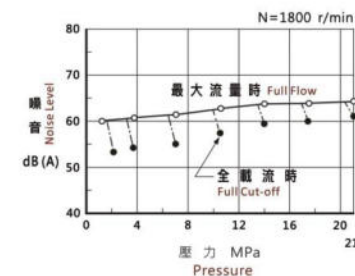
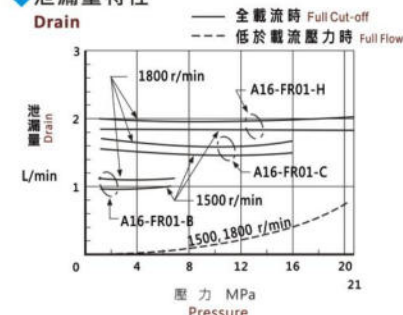
◆全載流 輸入功率特性
Full Cut-off Power

◆噪音特性 (例) [測量位置: 泵浦後方 1M]

Noise Level [One metre horizontally away from pump head cover]



◆洩漏量特性



PROPISTON

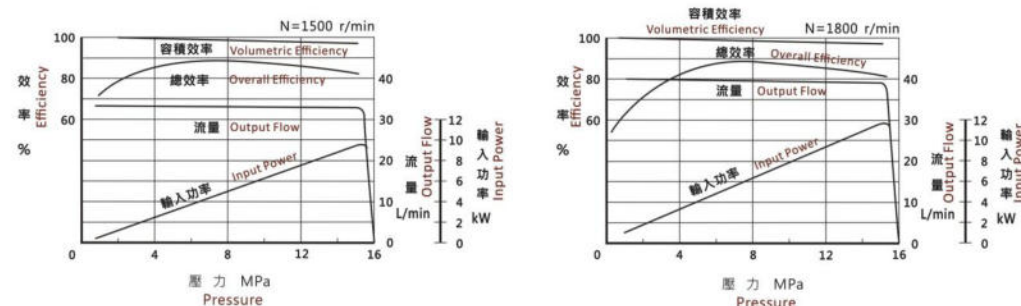
油壓泵 Hydraulic Pumps

A 系列柱塞泵 A Series Variable Piston Pumps

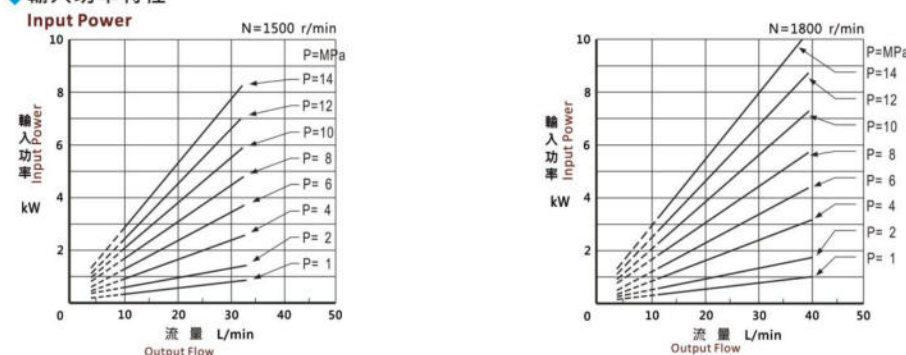
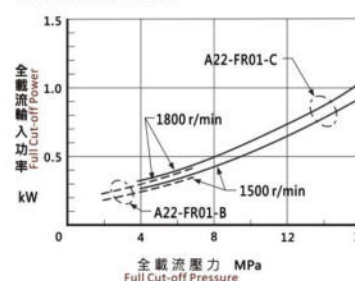
■ A22 型特性 Performance Characteristic Curv :

- 下述特性為黏度20 mm²/S [ISO VG32油溫50° C] 時的典型特性。
- Typical Pump Characteristics of Type "A22" at Viscosity 20 mm²/s [ISO VG32 Oils, 50°C]

◆一般性能 Performance Characteristic Curve



◆輸入功率特性

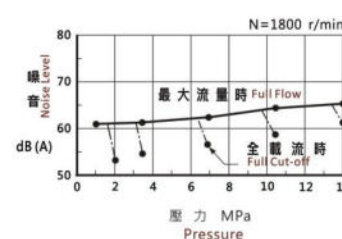
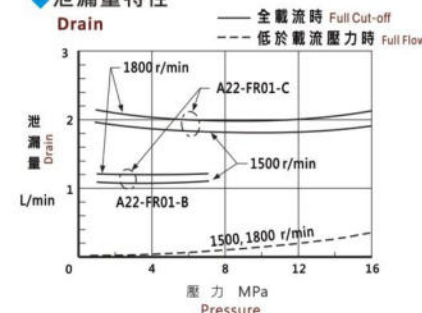
◆全載流 輸入功率特性
Full Cut-off Power

◆噪音特性 (例) [測量位置: 泵浦後方 1M]

Noise Level [One metre horizontally away from pump head cover]



◆洩漏量特性





PROPISTON

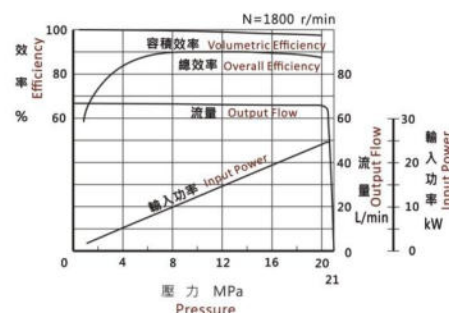
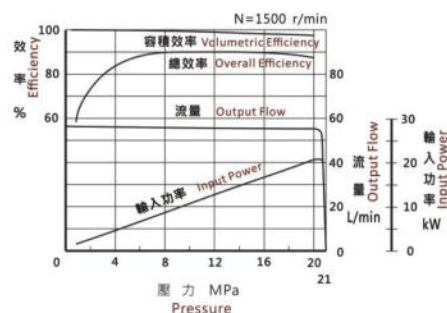
油壓泵 Hydraulic Pumps

A 系列柱塞泵 A Series Variable Piston Pumps

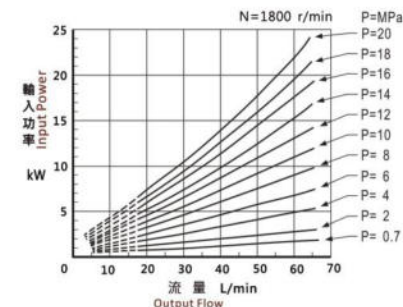
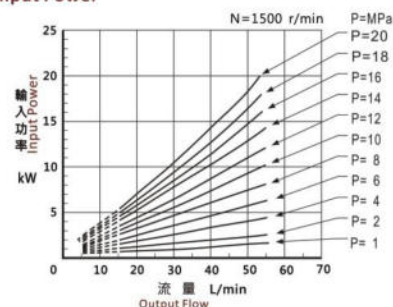
■ A 37 型特性 Performance Characteristic Curve :

- 下述特性為黏度20 mm²/S [ISO VG32 油溫50° C] 時的典型特性。
- Typical Pump Characteristics of Type "A37" at Viscosity 20 mm²/s [ISO VG32 Oils, 50°C]

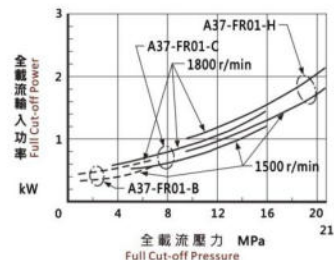
◆一般性能 Performance Characteristic Curve



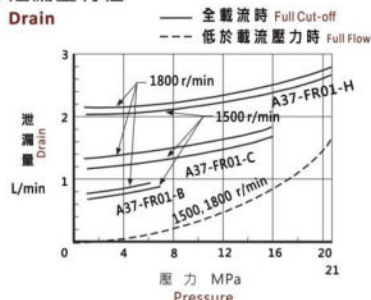
◆輸入功率特性 Input Power



◆全載流 輸入功率特性 Full Cut-off Power

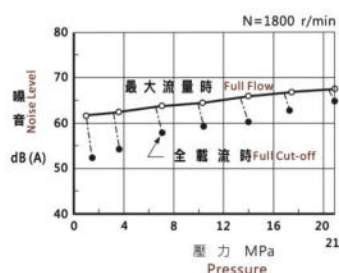
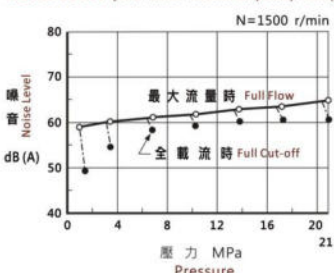


◆洩漏量特性 Drain



◆噪音特性 (例) [測量位置: 泵浦後方 1M]

Noise Level [One metre horizontally away from pump head cover]



PROPISTON

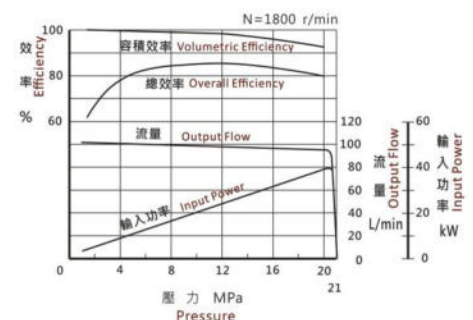
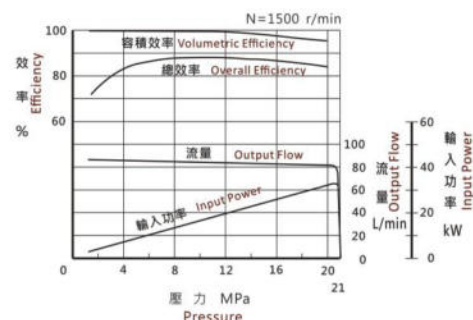
油壓泵 Hydraulic Pumps

A 系列柱塞泵 A Series Variable Piston Pumps

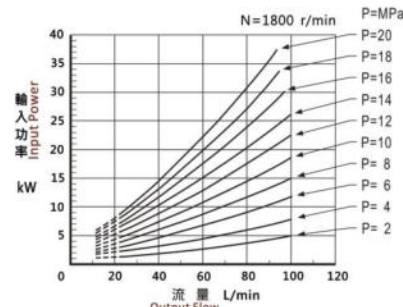
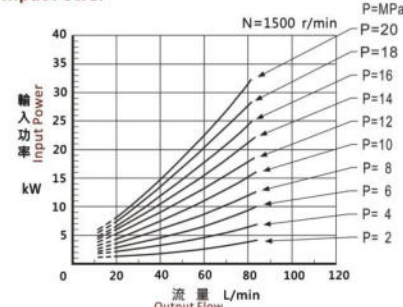
■ A 56 型特性 Performance Characteristic Curve :

- 下述特性為黏度20 mm²/S [ISO VG32 油溫50° C] 時的典型特性。
- Typical Pump Characteristics of Type "A56" at Viscosity 20 mm²/s [ISO VG32 Oils, 50°C]

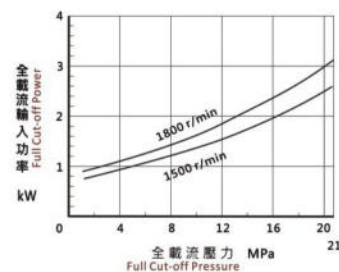
◆一般性能 Performance Characteristic Curve



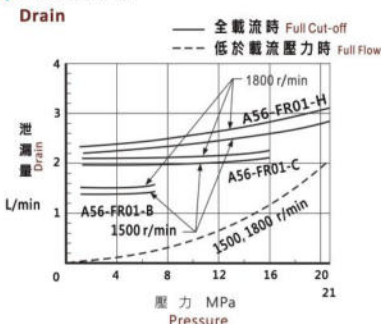
◆輸入功率特性 Input Power



◆全載流 輸入功率特性 Full Cut-off Power

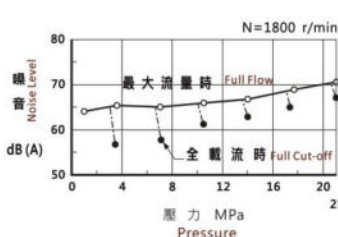
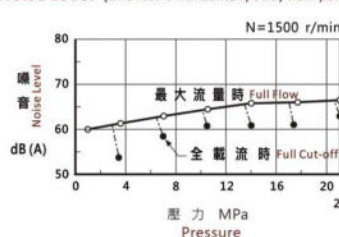


◆洩漏量特性 Drain



◆噪音特性 (例) [測量位置: 泵浦後方 1M]

Noise Level [One metre horizontally away from pump head cover]



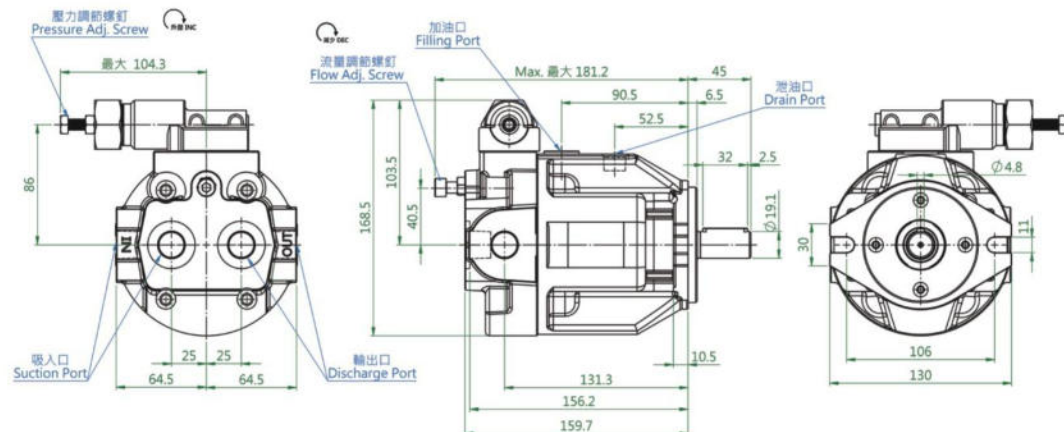


PROPISTON

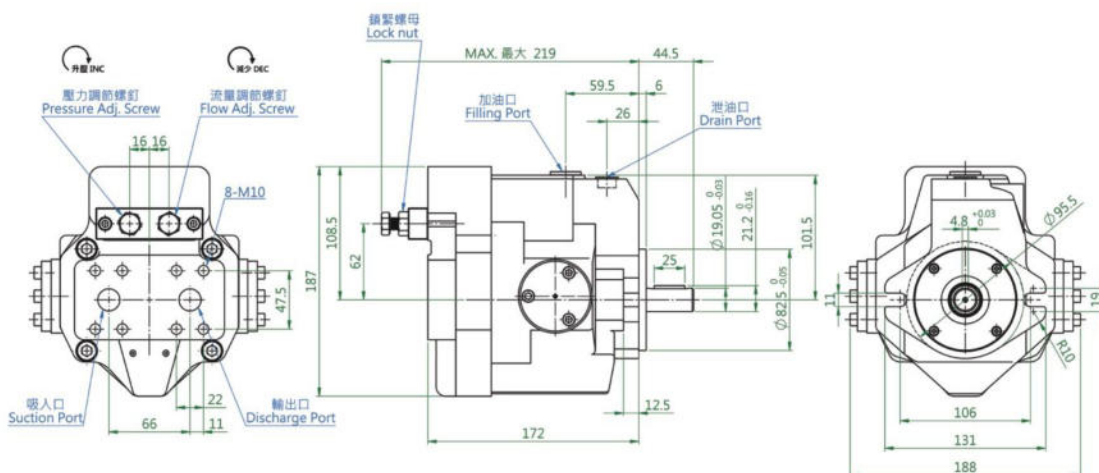
油壓泵 Hydraulic Pumps

A 系列柱塞泵 A Series Variable Piston Pumps

A10-FR01※



A16-FR01※ A22-FR01※



※安裝泵時,使加油口在頂部。
 ※A16/A22-FR01S 請洽詢大正公司。
 ※Install the pump so that the "Filling Port" is at the top.
 ※A16/A22-FR01S Please contact PROPISTON

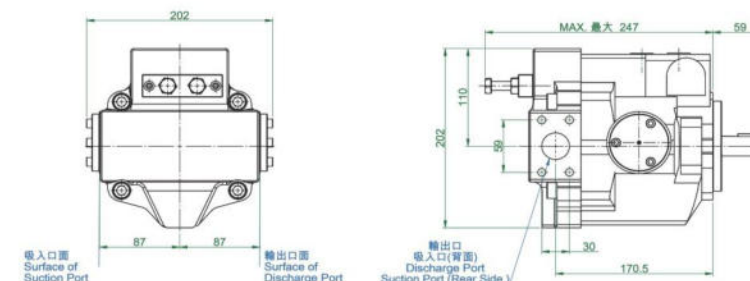


PROPISTON

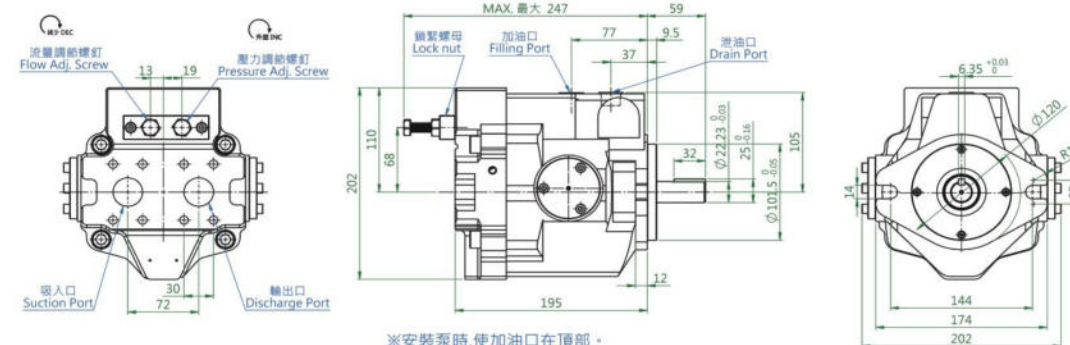
油壓泵 Hydraulic Pumps

A 系列柱塞泵 A Series Variable Piston Pumps

A37-FR01※S

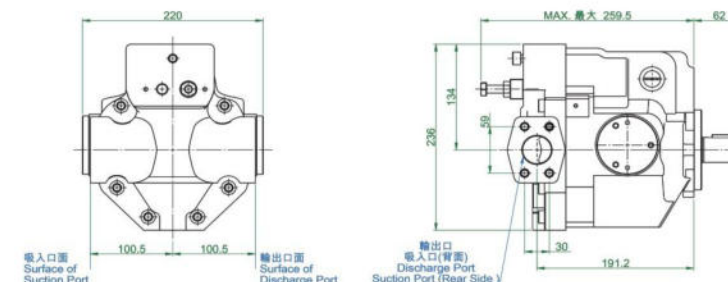


A37-FR01※

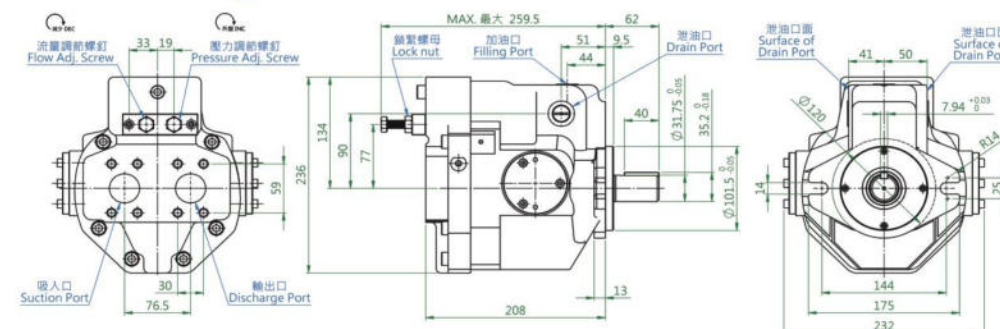


※安裝泵時,使加油口在頂部。
 ※Install the pump so that the "Filling Port" is at the top.

A56-FR01※S



A56-FR01※



※1. 安裝泵時,使加油口在頂部。
 ※2. 可按你的需要選用兩個泄油口中的任一個,但另一個必須堵住。
 ※1. Install the pump so that the "Filling Port" is at the top.
 ※2. Use either port of the two drain ports at your option. Keep the remaining port plugged.



PROPISTON

油壓泵 Hydraulic Pumps

P 系列柱塞泵 P Series Variable Piston Pumps

■ P 08



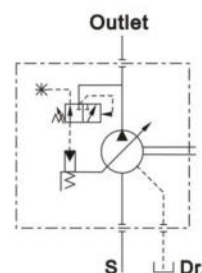
- 如果油泵的輸出壓力接近設定壓力時，則油泵的流量自動減少到最少流量，保持設定的壓力。
- 設定壓力可以手動調整。

- When the pressure reaches the value set compensator, the flow is reduced automatically and the set pressure is maintained .
- The pressure and flow are controlled manually.

■ P 16 . P 22



■ P 36 . P 46



■ 型號意義 How to order :

P 16 - A - 3 - F - R - S - 01
1 2 3 4 5 6 7 8

1	可變容量柱塞泵浦	Variable Volume Piston Pump
2	理論吐出容量	Displacement 08 , 16 , 22 , 36 , 46 (cm ³ /rev)
3	控制功能方式 A : 壓力補償控制型	Control Options A : Pressure Compensator Type
4	壓力調整範圍	Pressure Adj. Range 0 : 1~4 MPa (10~40 kgf/cm ²) 1 : 2~7MPa (20~73 kgf/cm ²) 2 : 3~14 MPa (30~145 kgf/cm ²) 3 : 3~21MPa (30~215 kgf/cm ²)
5	安裝方式 F : 法蘭型	Mounting F : Flange Mounting
6	迴轉方式 (從軸側看) R : 順時針方向 L : 逆時針方向	Rotation (Viewed From Shaft End) R : CW L : CCW
7	軸心形式 S : SAE 花鍵軸式 平鍵軸式 (代號省略)	Shaft Options S : SAE Spline Cylindric , Key (Code Options)
8	設計號碼	Desing Code



PROPISTON

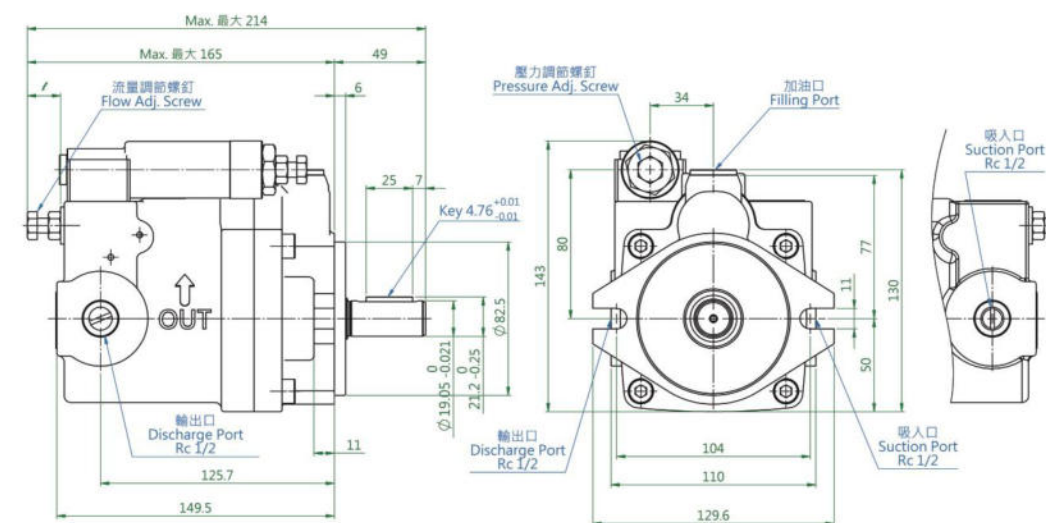
油壓泵 Hydraulic Pumps

P 系列柱塞泵 P Series Variable Piston Pumps

■ 規 格 Specifications :

型 號 Model	流量 Volume (cm ³ /rev)	無承載輸流量 Delivery at no load MPa (ℓ /min)				壓力調整範圍 Pressure Adj. range MPa (kgf/cm ²)	最大設定壓力 Max Setting Pressure MPa (kgf/cm ²)	轉速 Drive Speed min ⁻¹		重 量 Weight (kg)
		1000 min ⁻¹	1200 min ⁻¹	1500 min ⁻¹	1800 min ⁻¹			Min	Max	
P08-A※	8.0	8.0	9.6	12.0	14.4	2~4 (20~40) 2~7 (20~73) 3~14 (30~145) 3~21 (30~215)	25 (255)	500	2000	9
P16-A※	16.5	16.5	19.8	24.7	29.7					12
P22-A※	22.0	22.0	26.4	33.0	39.6					12
P36-A※	36.0	36.0	43.2	54.0	64.8					23
P46-A※	46.0	46.0	55.2	69.0	82.8					23

P-08-A-TYPE



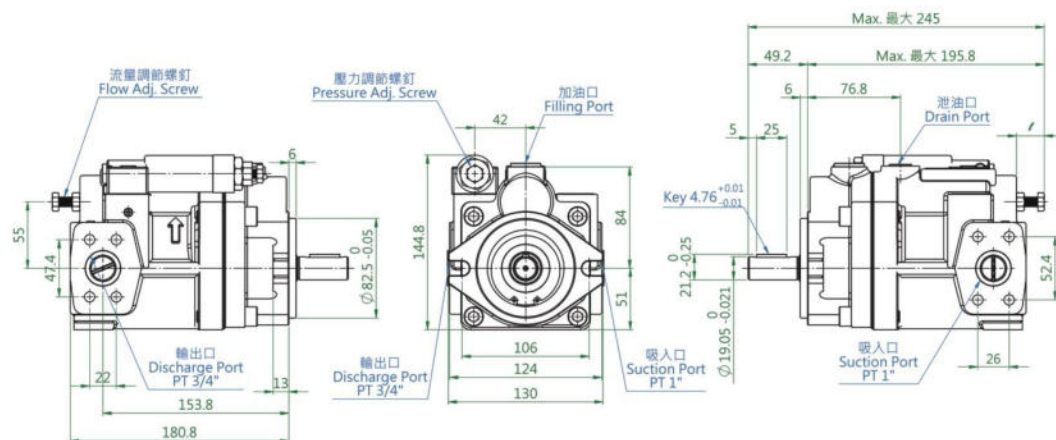


PROPISTON

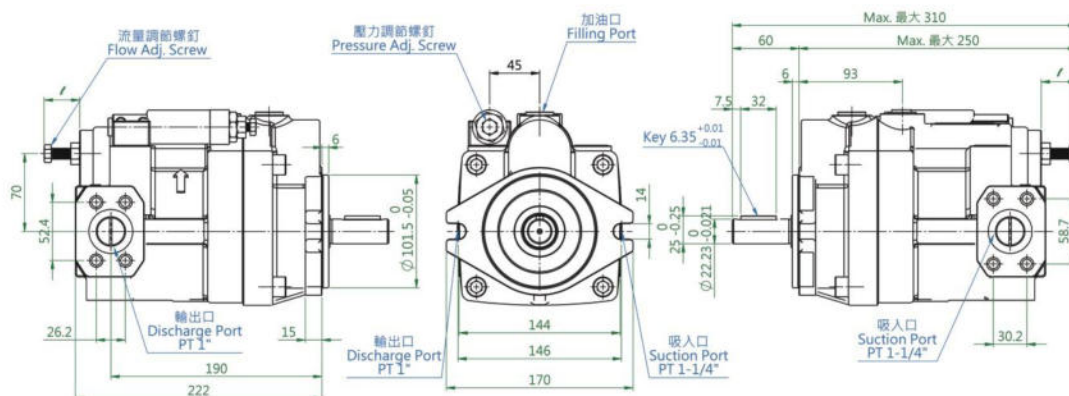
油壓泵 Hydraulic Pumps

P 系列柱塞泵 P Series Variable Piston Pumps

P16 / P22 - A - TYPE



P36 - A / P46 - A - TYPE



PROPISTON

壓力控制閥 Pressure Control Valves

溢流閥 Relief Valves

DG - 01

DG - 02

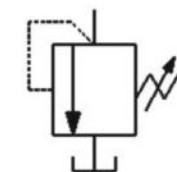


DT - 01 . 02



- DG-01/ DT-01可連接平衡活塞式導壓口(Vent)，以小流量壓力遙控大流量壓力，可滿足各種油壓系統的需要。
- DG-02/DT-02可作小流量油壓系統壓力的控制。

- Hydraulic valve DG-01/ DT-01 can be connected to vent of balanced piston type and with small flows pressure to control remotely large flows pressure which can be matched versatile hyd. system requirement.
- Hydraulic valve DG-02/DT-02 can be used to control small flows hyd. System pressure.



型號意義 How to order :

D G - 01 - ※
1 2 3 4

1	系列號	Series
2	G : 板式連接 T : 管式連接	G: SUB-Plate mounting T: Threaded connections
3	口徑代號	Valve size
4	壓力調整範圍	Pressure Adjusting Range

規 格 Specifications :

型 號 Model	口 徑 Valve Size	壓力調整範圍 Pressure Adj. Range kgf/cm ²	最大流量 Max. Flow (l/min)	重 量 Weight (kg)
DG-01	1/8	B : 70 C : 140 H : 210	2	1.6
DT-01				1.6
DG-02	1/4	B : 70 H : 210	16	1.5
DT-02				1.5



PROPISTON

壓力控制閥 Pressure Control Valves

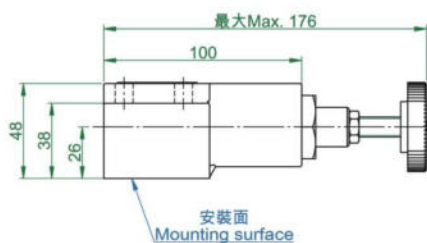
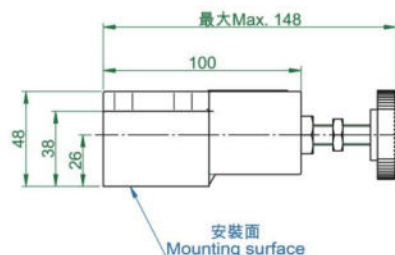
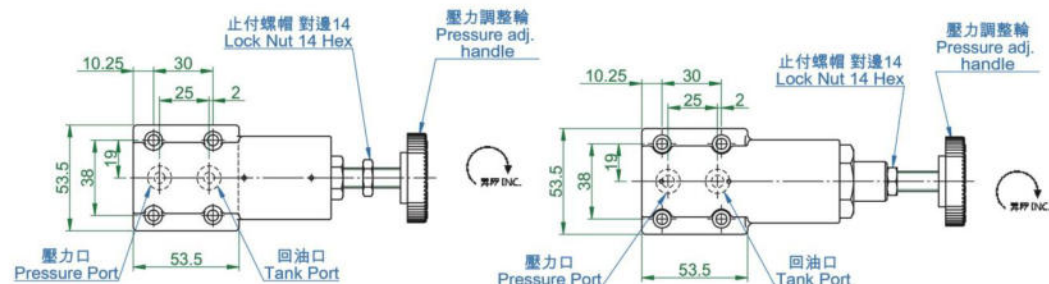
溢流閥 Relief Valves

■ 安裝螺絲 (附 件) Attachment :

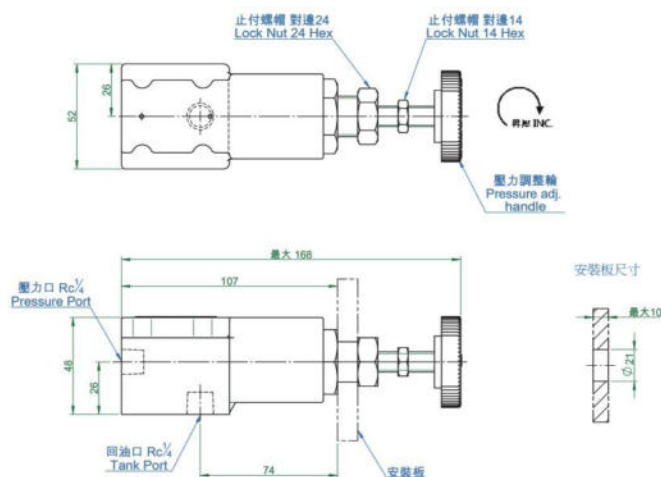
型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
DG-01	M5X 45 長	4
DG-02	M5X 45 長	4

DG - 01

DG - 02



DT - 01.02



PROPISTON

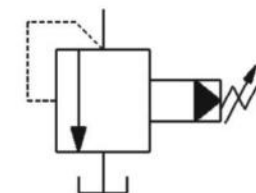
壓力控制閥 Pressure Control Valves

先導式溢流閥 Pilot Operated Relief Valves

■ BG - 03 , 06 , 10 BT - 03 , 06 , 10

- 傳統式簡單油壓系統，如具有特殊考慮常被運用此型壓力閥。
- 此型閥結構簡單經濟。
- 導壓口(Vent)可用遙控連接並可作遙控控制。

- These types are always used as simple hyd. System, and can be also special considered a traditional pressure hyd. System.
- Simple structures and economical.
- The vent can be connected and controlled remotely.



■ 型號意義 How to order :

B G - 06 - ※
1 2 3 4

1	系列號	Series
2	G : 板式連接 T : 管式連接	G: SUB-Plate mounting T : Threaded connections
3	口徑代號	Valve size
4	壓力調整範圍	Pressure Adjusting Range

■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	壓力調整範圍 Pressure Adj. Range kgf/cm ²	最大流量 Max. Flow (l/min)	重 量 Weight (kg)
BG-03	3/8"	A : 35	100	5.1
BG-06	3/4"	B : 70	200	6.5
BG-10	1-1/4"	C : 140 H : 250	400	10

※另有把手不分離型。

■ 安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
BG-03	M12X70 長 M12X95 長	2 2
BG-06	M16X55 長 M16X75 長	2 2
BG-10	M20X70 長 M20X90 長	2 2

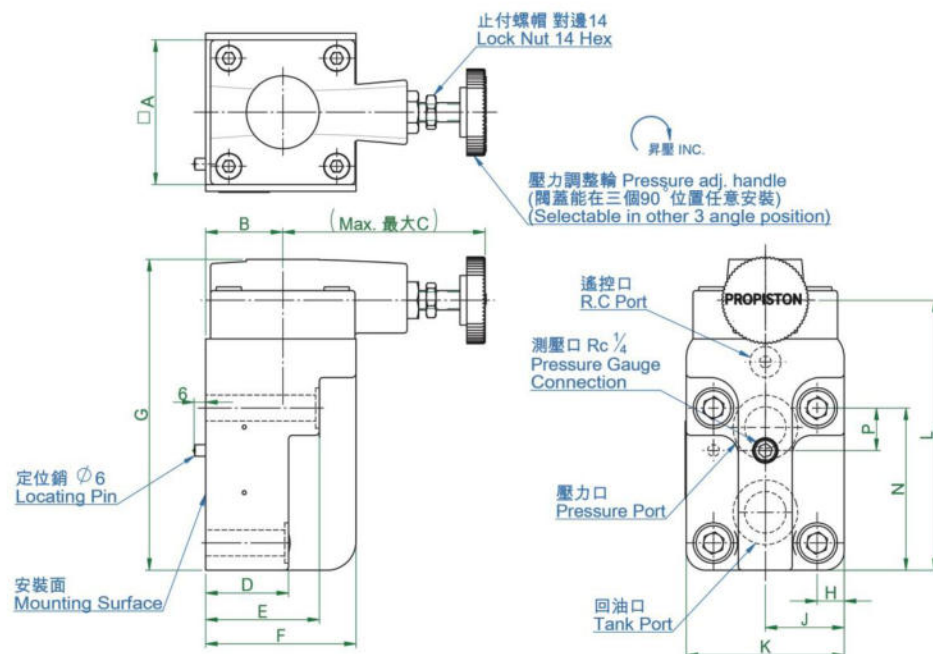


PROPISTON

壓力控制閥 Pressure Control Valves

先導式溢流閥 Pilot Operated Relief Valves

BG - 03,06,10



型號 Model	A	B	C	D	E	F	G	H
BG-03	75	40	116	57	78	78	140	14.1
BG-06	75	40	116	41	61	78	161	17
BG-10	85	42.5	131	49	71	87.5	195	20.7

型號 Model	J	K	L	N	P
BG-03	41	82	117	77	22
BG-06	52	104	141	83.5	4.5
BG-10	62	124	175	110	6



PROPISTON

壓力控制閥 Pressure Control Valves

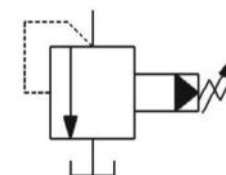
先導式溢流閥低噪音型 Low Noise Type Solenoid Controlled Relief Valves

S-BG - 03 , 06 , 10



- 遙控溢流閥主要用於液控壓力控制閥(溢流閥, 減壓閥等)的遙控使用。
- 溢流閥用來防止液壓系統過載, 並可用於保持液壓系統的壓力恒定。

- Remote Control Relief Valves are used for hydraulic pressure control valve(Relief Valve, Pressure Reducing Valve) by remote control.
- Relief Valve is used to protect hydraulic system from excessive pressure and can also be used to maintain a constant pressure in the hydraulic system.



型號意義 How to order :

S - B G - 06 - ※ - L
1 2 3 4 5 6

1	低噪音型	Low noise type
2	系列號	Series
3	板式連接	SUB-Plate mounting
4	口徑代號	Valve size
5	壓力調整範圍	Pressure adjusting range
6	壓力把手位置 R : 把手朝壓力口方向 L : 把手朝回油口方向	Pressure Handle position R : Handle is facing to the pressure port L : Handle is facing to the tank port

規格 Specifications :

型號 Model	口徑 Valve Size	壓力調整範圍 Pressure Adj. Range kgf/cm ²	最大流量 Max. Flow (l/min)	重量 Weight (kg)
S-BG-03	3/8	B : 70	100	4.6
S-BG-06	3/4	C : 140	200	6
S-BG-10	1-1/4	H : 250	400	9.7



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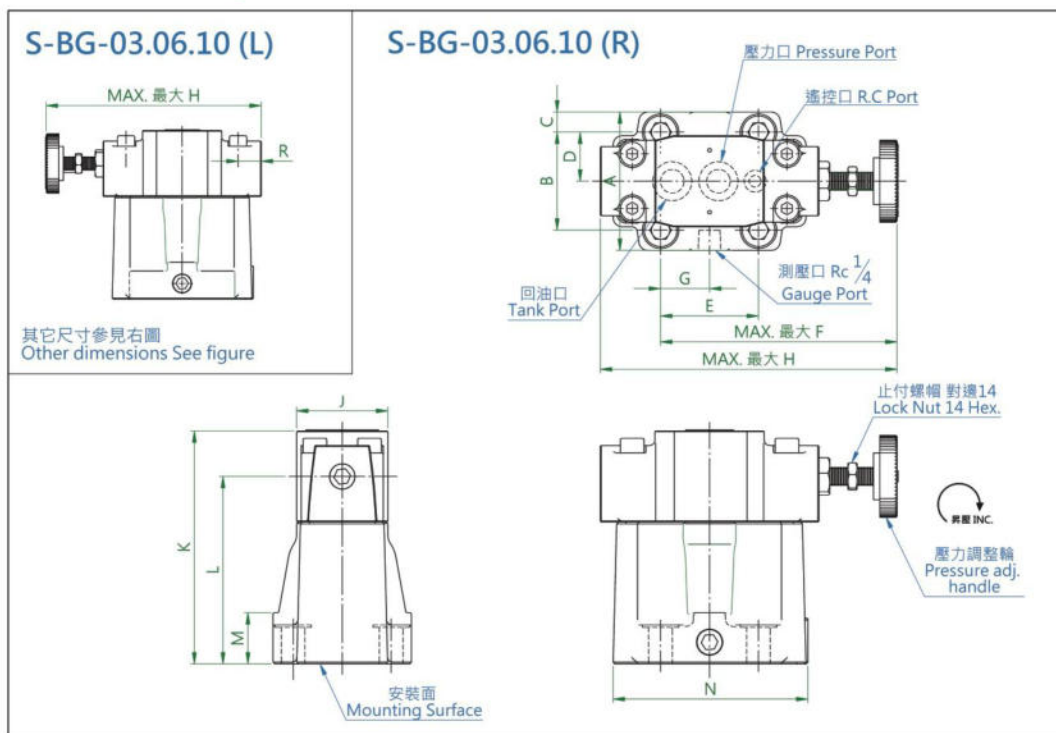
壓力控制閥 Pressure Control Valves

先導式溢流閥低噪音型 Low Noise Type Solenoid Controlled Relief Valves

■ 安裝螺絲 (附件) Attachment :

型 號 Model	內六角螺絲 Mounting bolts	數 量 Q
S-BG-03	M12X 35 長	4
S-BG-06	M16X 45 長	4
S-BG-10	M20X 60 長	4

S-BG - 03,06,10



型 號 Model	A	B	C	D	E	F	G	H
S-BG-03	76	53.8	11.1	26.9	53.8	80.1	26.9	170
S-BG-06	98	70	14	35	66.7	65.3	33.7	163.5
S-BG-10	122	82.6	19.3	41.3	88.9	52.6		170

型 號 Model	J	K	L	M	N	P	Q	R
S-BG-03	50	128	103	21.5	106	26.1	13	36.1
S-BG-06	50	128	103	26	123	19.3	13	21.3
S-BG-10	63	145	117	37	150	21.1		



PROPISTON

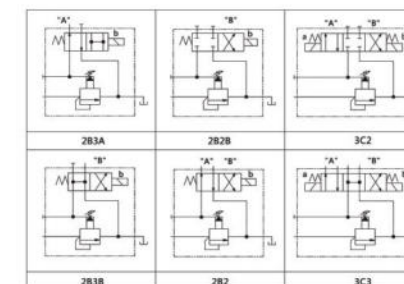
壓力控制閥 Pressure Control Valves

電磁控制溢流閥 Solenoid Controlled Relief Valves

■ BSG - 03 , 06 , 10



- 此型控制閥為壓力控制閥與電磁閥的組合運用，藉以達到系統壓力，透過電磁閥的作動，達到洩載(unloading)與壓力設定以滿足系統作動的需求。
- 此型閥構造較簡單，為傳統一般機械常用。
- These relief valves are employed the pressure control valve combine with reach system pressure and the system pressure & unloading reaches the setting by the solenoid valve actioned for satisfying the system action requirement.
- Simple structures and employed by general traditional machine.



■ 型號意義 How to order :

BS G - 03 - ※ - 2B2 - A220 - 20
1 2 3 4 5 6 7

1	系列號	Series
2	G : 板式連接	SUB-Plate mounting
3	口徑代號	Valve Size
4	壓力調整範圍	Pressure Adjusting Range
5	電磁閥型號	Solenoid valve type
6	電壓型式	Coil voltage
7	10 : 帶燈的集中連接盒 20 : 插入式接頭袋密封套	10 : With lamp central connection 20 : Plug-in connection

■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	壓力調整範圍 Pressure Adj. Range kgf/cm ²	最大流量 Max. Flow (l/min)	重 量 Weight (kg)
BSG-03	3/8"	B : 70	100	5.6
BSG-06	3/4"	C : 140	200	7
BSG-10	1-1/4"	H : 250	400	11.3



PROPISTON

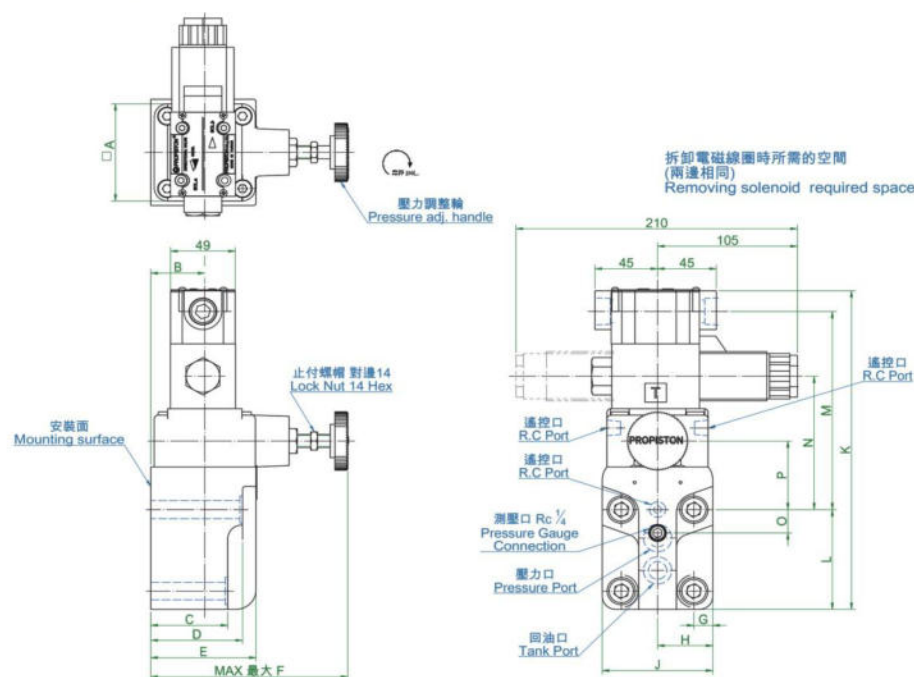
壓力控制閥 Pressure Control Valves

電磁控制溢流閥 Solenoid Controlled Relief Valves

■ 安裝螺絲 (附件) Attachment :

型號 Model	安裝螺絲 Mounting bolts	數量 Q
BSG-03	M12X70 長	2
	M12X95 長	2
BSG-06	M16X55 長	2
	M16X75 長	2
BSG-10	M20X70 長	2
	M20X90 長	2

BSG - 03,06,10



型號 Model	A	B	C	D	E	F	G	H
BSG-03	75	40	57	78	78	156	14.1	41
BSG-06	75	40	40	61	78	156	17	52
BSG-10	85	45	47	71	87.5	146	20.7	62

型號 Model	J	K	L	M	N	O	P
BSG-03	82	225	77	132	84.5	22	40
BSG-06	104	249	83.5	149.5	102	4.5	57.5
BSG-10	124	283	110	157	109.5	6	65



PROPISTON

壓力控制閥 Pressure Control Valves

低噪音型電磁控制溢流閥 Low noise type Solenoid Control Relief Valves

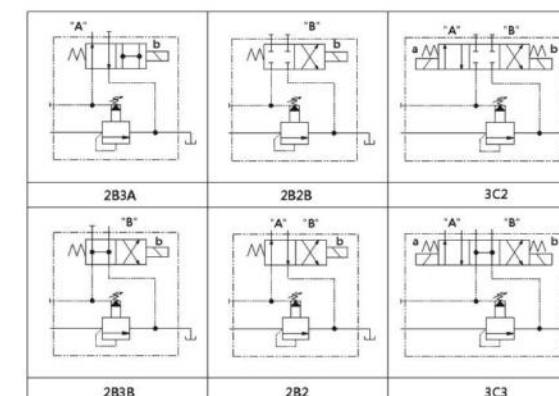
■ SBSG - 03 , 06 , 10



- 電磁控制溢流閥S-BSG系列之結構是由溢流閥和電磁換向閥組成。
- 電磁換向閥安裝在溢流閥上，並與溢流閥遙控口相通。
- 電磁線圈之電力信號可遙控系統之壓力。

- Solenoid pilot operated relief valve S-BSG series is composed of relief valve and solenoid valve.
- Solenoid valve is mounted on top of relief valve and connected with vent port of relief valve.
- The power signal of solenoid can control the system pressure.

■ SBSR - 03 , 06 , 10



■ 型號意義 How to order :

S-BSR - 03 - H - 2B2 - R - A220 - 20

1 2 3 4 5 6 7 8

1	低噪音型	Low noise type
2	系列號	Series
3	口徑代號	Valve size
4	壓力調整範圍	Pressure Adjusting Range
5	電磁閥型號	Solenoid valve type
6	壓力把手位置 R : 把手朝壓力口方向 L : 把手朝回油口方向	Pressure handle position R : Handle is facing to the pressure port L : handle is facing to the tank port
7	線圈電壓	Coil voltage
8	10 : 帶燈的集中連接盒 20 : 插入式接頭袋密封套	10 : With lamp central connection 20 : Plug-in connection



PROPISTON

壓力控制閥 Pressure Control Valves

低噪音型電磁控制溢流閥 Low noise type Solenoid Control Relief Valves

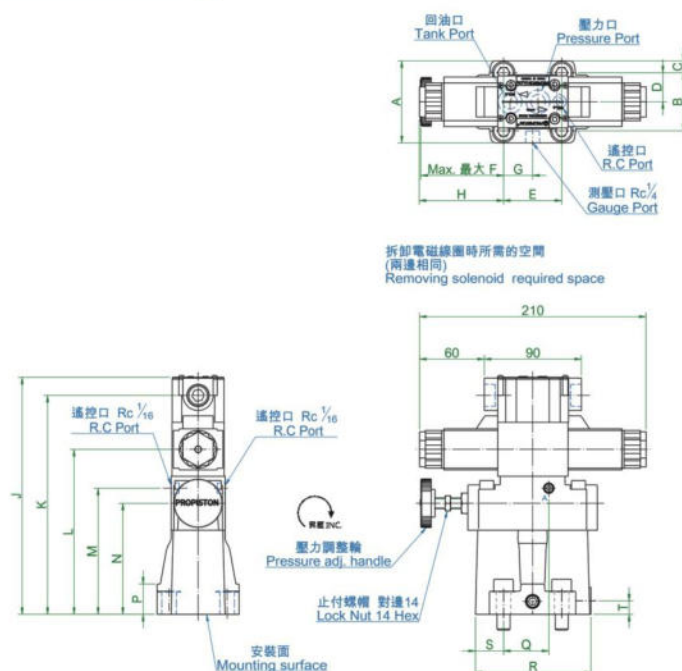
■ 規格 Specifications :

型 號 Model	口 徑 Valve Size	壓力調整範圍 Pressure Adj. Range kgf/cm ²	最大流量 Max. Flow (l/min)	重 量 Weight (kg)
SBSG-03	3/8	B : 70 C : 140 H : 250	100	4.6
SBSG-06				6.8
SBSG-10	3/4		200	6.0
SBSR-03				9.9
SBSR-06	1-1/4		400	9.7
SBSR-10				18.4

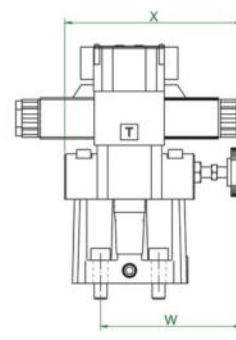
■ 安裝螺絲 (附件) Attachment :

型號 Model	安裝螺絲 Mounting Bolts	數量 Q	型號 Model	安裝螺絲 Mounting Bolts	數量 Q
SBSG-03	M12X 35 長	4	SBSR-03	M12X 75 長	4
SBSG-06	M16X 45 長	4	SBSR-06	M16X 95 長	4
SBSG-10	M20X 60 長	4	SBSR-10	M20X 130 長	4

SBSG - 03,06,10(L)



SBSG - 03,06,10(R)



PROPISTON

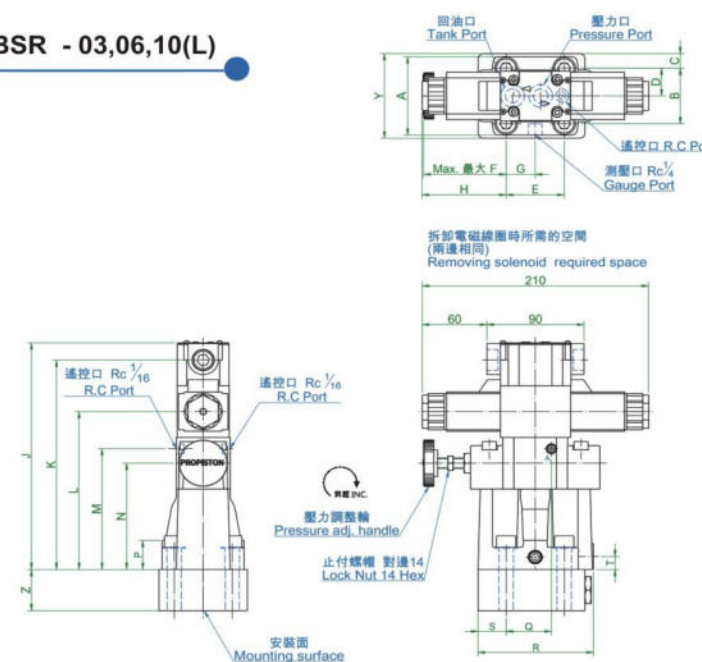
壓力控制閥 Pressure Control Valves

低噪音型電磁控制溢流閥 Low noise type Solenoid Control Relief Valves

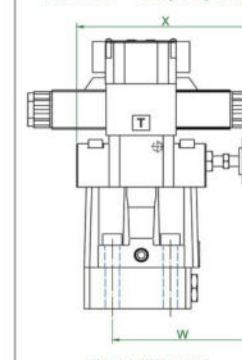
型號 Model	A	B	C	D	E	F	G	H	J	K	L	M
SBSG-03	76	53.8	11.1	26.9	53.8	73.6	26.9	78.1	21.6	199	152.5	103
SBSG-06	98	70	14	35	66.7	58.8	33.7	63.3	21.6	199	152.5	103
SBSG-10	120	82.6	18.7	41.3	88.9	46.1	44.9	50.1	50.1	216	187.5	118

型號 Model	N	P	Q	R	S	T	U	W	X
SBSG-03	103	21.5	36.6	106	26.1	13	158	137.4	168
SBSG-06	103	26	51.4	122	19.3	13	166	142.2	166
SBSG-10	117	37	64.6	155	21.1	18	168.8		

SBSR - 03,06,10(L)



SBSR - 03,06,10(R)



型號 Model	A	B	C	D	E	F	G	H	J	K	L	M
SBSR-03	76	53.8	11.1	26.9	53.8	73.6	26.9	78.1	21.6	199	152.5	103
SBSR-06	98	70	14	35	66.7	58.8	33.7	63.3	21.6	199	152.5	103
SBSR-10	120	82.6	18.7	41.3	88.9	46.1	44.9	50.1	50.1	216	187.5	118

型號 Model	N	P	Q	R	S	T	U	W	X	Y	Z
SBSR-03	103	21.5	36.6	106	26.1	13	158	137.4	168	82	40
SBSR-06	103	26	51.4	122	19.3	13	166	142.2	166	102.5	50
SBSR-10	117	37	64.6	155	21.1	18	168.8			120	72



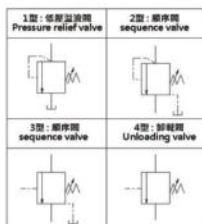
PROPISTON

壓力控制閥 Pressure Control Valves

H型壓力控制閥 H Type Pressure Control Valves

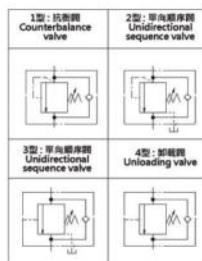
HC型單向壓力控制閥 HC Type Pressure Control Valves

■ HG - 03. 06. 10



- HG系列為直動式壓力控制閥，具有液力緩衝功能。
- 提供內控或外控特性。
- 單向壓力控制閥，使油可從二次壓力油口流向一次壓力油口。
- HG系列壓力控制閥，可作各種不同組裝方式，為其他閥類使用，例如：順序閥、低壓溢流閥、卸載閥、單向順序閥、抗衡閥等。
- HG series is direct operated pressure control valve, with hydraulic damped.
- It can be actuated internally or externally.
- One-way pressure control valve makes oil to flow from secondary pressure port to primary pressure port.
- Pressure control valve HG series can assemble by various way to be other valves for operation. Such as sequence valve, low pressure relief valve, unloading valve, one-way sequence valve, counterbalance valve.

■ HCG - 03 .06 .10



- HCG壓力控制閥，可避免下列問題發生。
- (1)由於負載突然減少，導致活塞劇烈衝擊現象。
- (2)立式油壓缸所支撐之重物，由於重物本身重量，逐漸降落之危險。
- Pressure control valve HCG series can avoid the following situation :
- (1)The piston got heavy crashing by load decreased suddenly.
- (2)The danger of gradual falling from heavy item itself loaded by vertical hydraulic cylinder.

■ 型號意義 How to order :

H G - 03 - B - 3

1 2 3 4 5

1	系列號	Series
2	板式連接	SUB-Plate mounting
3	口徑代號	Valve size
4	壓力調整範圍	Pressure Adjusting Range
5	閥型式	Valve Type



PROPISTON

壓力控制閥 Pressure Control Valves

H型壓力控制閥 H Type Pressure Control Valves

HC型單向壓力控制閥 HC Type Pressure Control Valves

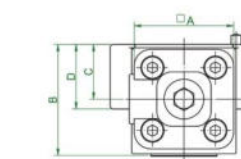
■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	最高使用壓力 Max. Pressure (Kgf/cm ²)	最大流量 Max. Flow (l/min)	重 量 Weight (kg)
HG-03	3/8	A : 18-35 B : 35-70	50	4.2
HCG-03		C : 70-140 H : 210		4.8
HG-06	3/4	N : 5-18 A : 18-35	125	6.6
HCG-06		B : 35-70 C : 70-140		8
HG-10	1-1/4	N : 5-18 A : 18-35	250	9.5
HCG-10		B : 35-70 C : 70-140		13.8

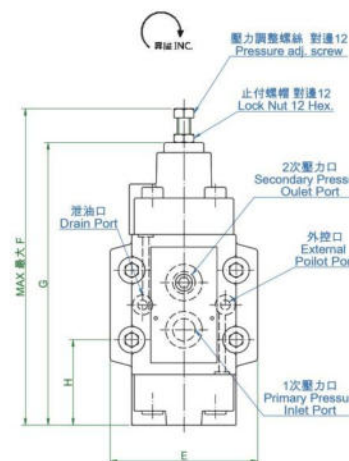
■ 安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q	型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
HG-03	M10 X 55長	4	HCG-03	M10 X 70長	4
HG-06	M10 X 55長	4	HCG-06	M10 X 80長	4
HG-10	M10 X 70長	6	HCG-10	M10 X 95長	6

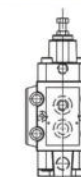
HG - 03 . 06



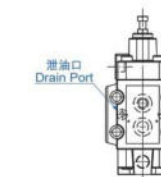
HG-03.06
3型：順序閥 (外控，外泄)
Sequence valve



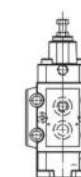
1型：低壓溢流閥 (內控，內泄)
Pressure relief valve



2型：順序閥 (內控，外泄)
Sequence valve



4型：卸載閥 (外控，內泄)
Unloading valve





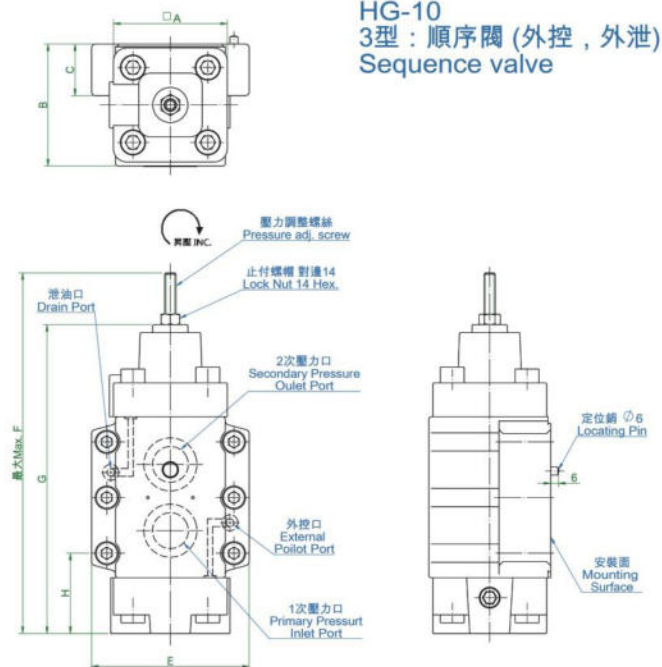
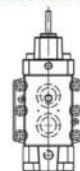
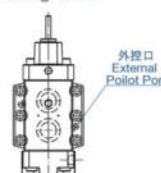
PROPISTON

壓力控制閥 Pressure Control Valves

H型壓力控制閥 H Type Pressure Control Valves

HC型單向壓力控制閥 HC Type Pressure Control Valves

HG - 10

1型：低壓溢流閥 (內控，內泄)
Pressure relief valve2型：順序閥 (內控，外泄)
Sequence valve4型：卸載閥 (外控，內泄)
Unloading valve

型號 Model	A	B	C	D	E	F	G	H
HG-03	60	67	35	39	89	201	171	51.6
HG-06	73	79	40	39	102	225	195	53.6
HG-10	86	92	46	39	119	272	235	62

型號 Model	A	B	C	D	E	F	G	H
HCG-03	90	59	35	64	89	202	171	51.6
HCG-06	108	69	40	73	102	231	194	53
HCG-10	132	80	46	83	120	280	238	63



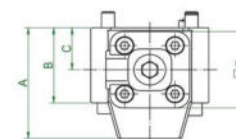
PROPISTON

壓力控制閥 Pressure Control Valves

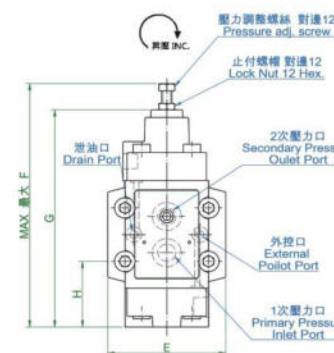
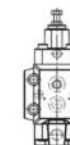
H型壓力控制閥 H Type Pressure Control Valves

HC型單向壓力控制閥 HC Type Pressure Control Valves

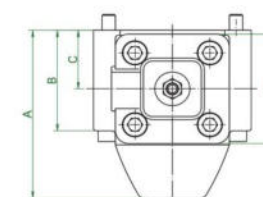
HCG - 03 . 06



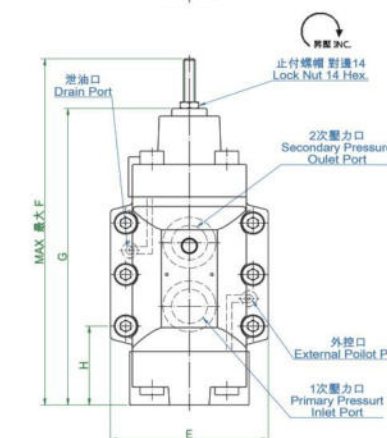
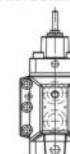
HCG-03.06

3型：單向順序閥 (外控，外泄)
Unidirectional sequence valve1型：抗衡閥 (內控，內泄)
Counterbalance valve2型：單向順序閥 (內控，外泄)
Unidirectional sequence valve4型：卸載閥 (外控，內泄)
Unloading valve

HCG - 10



HCG-10

3型：單向順序閥 (外控，外泄)
Unidirectional sequence valve1型：抗衡閥 (內控，內泄)
Counterbalance valve2型：單向順序閥 (內控，外泄)
Unidirectional sequence valve4型：卸載閥 (外控，內泄)
Unloading valve



PROPISTON

壓力控制閥 Pressure Control Valves

壓力背壓閥 Back Valves

■ BR - 03 , 06 , 10



■ SBR - 03 , 06 , 10



● BR系列背壓閥，可避免機械機構本身重量自然降落，以及使用在有背壓產生之處。

● Counter balance valve BR series can avoid the falling of mechanism due to heavy from itself , and using in position occur the back pressure .

● SBR系列背壓閥，可避免機械機構本身重量自然降落，以及使用在有背壓產生之處。

● Counter balance valve SBR series can avoid the falling of mechanism due to heavy from itself , and using in position occur the back pressure .

■ 型號意義 How to order :

S - BR - 03 - ※
1 2 3 4

1	低噪音型(通用型無標誌)	Low noise type (Omit if not required)
2	系列號	Series
3	口徑代號	Valve size
4	壓力調整範圍	Pressure adjusting range

■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Pressure kgf/cm ²	壓力調整範圍 Pressure Adj. Range kgf/cm ²	最大流量 Max. Flow (l/min)	重 量 Weight (kg)
BR-03 (MCA-03)	3/8	250	B : 70	100	7.3
BR-06	3/4		C : 140	200	9.2
BR-10	1-1/4		H : 250	400	19.5
SBR-03	3/8	250	B : 70	100	7.5
SBR-06	3/4		C : 140	200	10
SBR-10	1-1/4		H : 250	400	18.5



PROPISTON

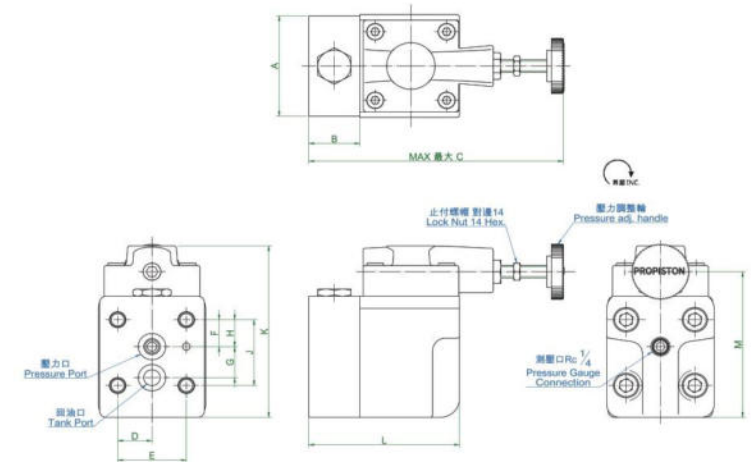
壓力控制閥 Pressure Control Valves

壓力背壓閥 Back Valves

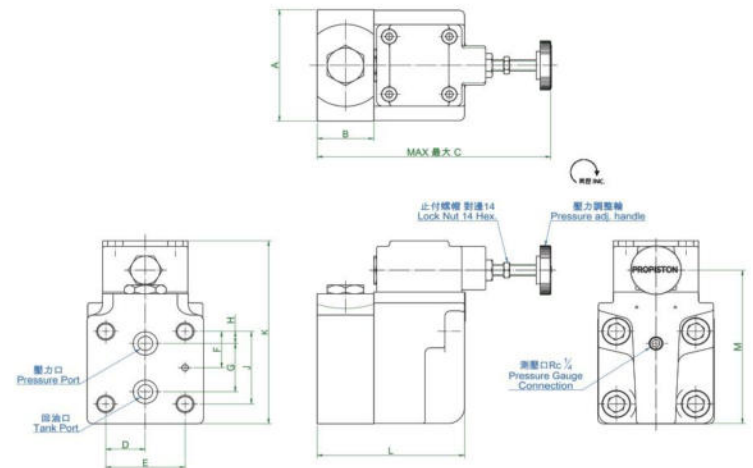
■ 安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
BR-03-※-10	M12X110 長	2
	M12X135 長	2
BR-06-※-10	M16X105 長	2
	M16X125 長	2
BR-10-※-10	M20X140 長	2
	M20X160 長	2

BR - 03



BR - 06.10



型 號 Model	A	B	C	D	E	F	G	H	J	K	L	M
BR-03	82	40	196	26.9	83.8	22	24.5	22	53.8	140	118	119
BR-06	103	50	206	35	70	33.4	44.5	11	66.7	161	130	141
BR-10	124	71	244.5	41.5	83	33.4	64	12	88.9	195	158.5	175



PROPISTON

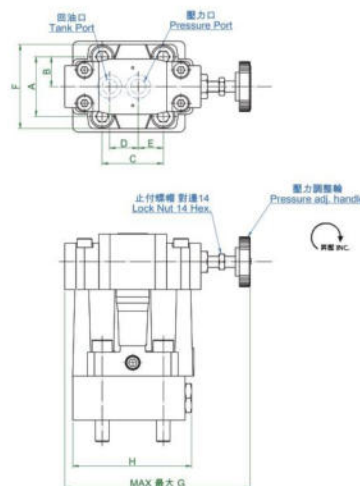
壓力控制閥 Pressure Control Valves

壓力背壓閥 Back Valves

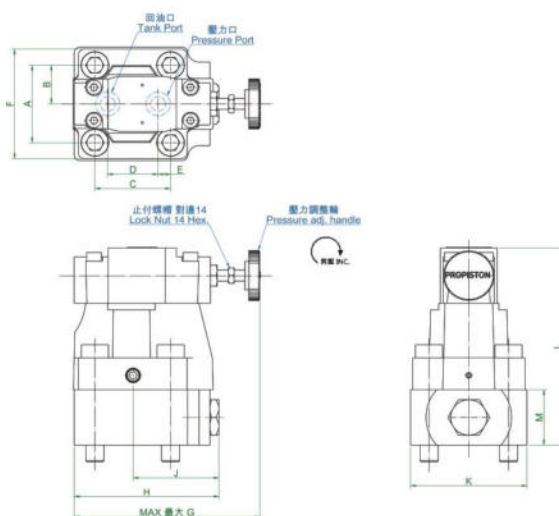
■ 安裝螺絲 (附件) Attachment :

型號 Model	安裝螺絲 Mounting bolts	數量 Q
SBR-03	M12 X 75長	4
SBR-06	M16 X 95長	4
SBR-10	M20 X 130長	4

SBR - 03



SBR - 06.10



型號 Model	A	B	C	D	E	F	G	H	J	K	L	M
SBR-03	53.8	26.9	53.8	25.4	22	76	178	104.8	26.9	83	168	40
SBR-06	70	35	44.5	66.7	11	98	179	127.5	33.4	102.5	178	50
SBR-10	83	41.5	64	88.9	12		179	170		126	216	71



PROPISTON

壓力控制閥 Pressure Control Valves

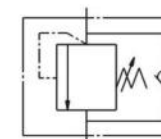
壓力背壓閥 Back Valves

■ MCA - 06



○ MCA系列背壓閥，可避免機械機構本身重量自然降落，以及使用在有背壓產生之處。

○ Counter balance valve MCA series can avoid the falling of mechanism due to heavy from itself, and using in position occur the back pressure.



■ 型號意義 How to order :

MCA - 06 - ※
1 2 3

1	系列號	Series
2	口徑代號	Valve Size
3	壓力調整範圍	Pressure Adjusting Range

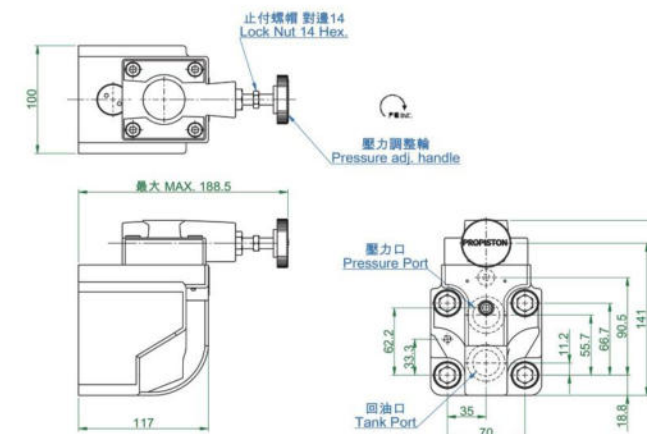
■ 規格 Specifications :

型號 Model	口徑 Valve Size	壓力調整範圍 Pressure Adj. Range kgf/cm ²	最大流量 Max. Flow (l/min)	重量 Weight (kg)
MCA-06	3/4	B : 70 C : 140 H : 250	200	10.5

■ 安裝螺絲 (附件) Attachment :

型號 Model	安裝螺絲 Mounting bolts	數量 Q
MCA-06	M16 X 70長 M16 X 110長	2 2

MCA-06



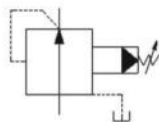


PROPISTON

壓力控制閥 Pressure Control Valves

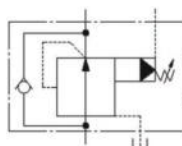
減壓閥 Pressure Reducing Valves

■ RG - 03. 06. 10



- 減壓閥的使用在於主要系統壓力之外，有另外其他系統壓力必須低於主要系統壓力，而不能透過電磁閥的作動，必須以減壓控制閥作動而達到減壓的目的。
- 雙向減壓閥為無止回閥，一般皆設計於電磁閥的P口。
- These pressure reducing valves are used besides of main system pressure and other system pressure must below the main system and also not action on by solenoid valve which must actioned by pressure reducing valve and achieve the pressure reducing purpose.
- The twin pressure reducing type which being not with check valves and general designs at P port of solenoid valve.

■ RCG - 03. 06. 10



- 減壓閥的使用在於主要系統壓力之外，有另外其他系統壓力必須低於主要系統壓力，而不能透過電磁閥的作動，必須以減壓控制閥作動而達到減壓的目的。
- These pressure reducing valves are used besides of main system pressure and other system pressure must below the main system and also not action on by solenoid valve which must actioned by pressure reducing valve and achieve the pressure reducing purpose.

■ 型號意義 How to order :

RG - 03 - ※
1 2 3 4

1	系列號	Series
2	G : 板式連接	G: SUB-Plate mounting
3	口徑代號	Valve size
4	壓力調整範圍	Pressure Adjusting Range

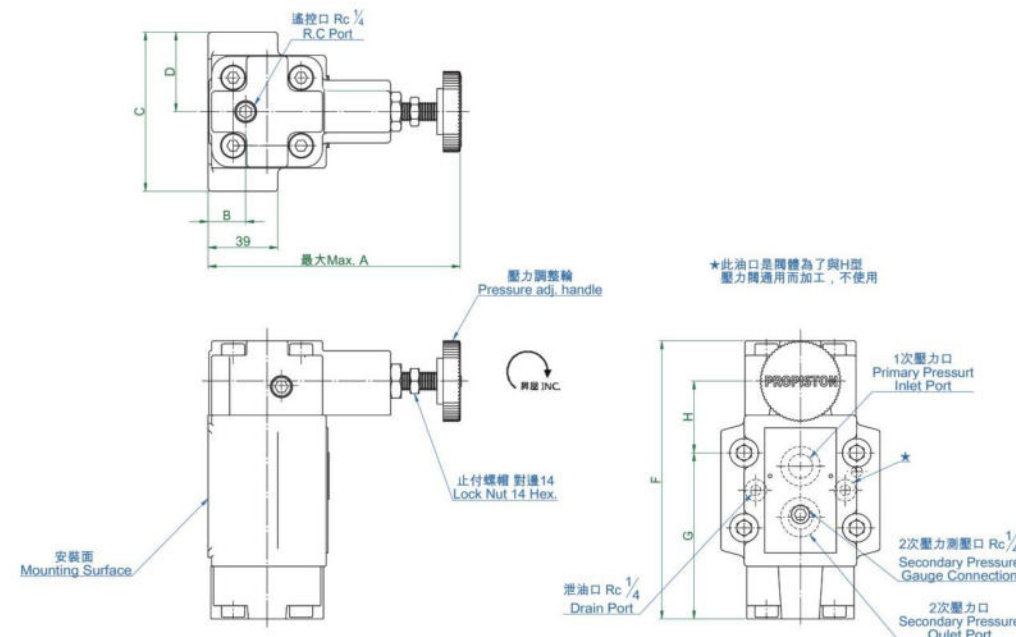


PROPISTON

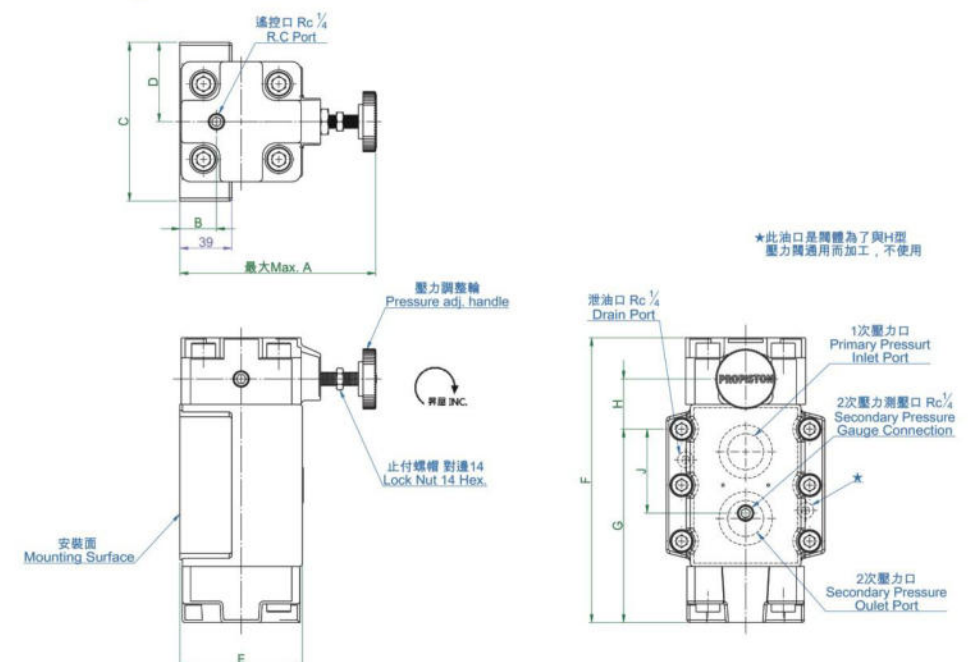
壓力控制閥 Pressure Control Valves

減壓閥 Pressure Reducing Valves

RG - 03. 06



RG - 10





PROPISTON

壓力控制閥 Pressure Control Valves

減壓閥 Pressure Reducing Valves

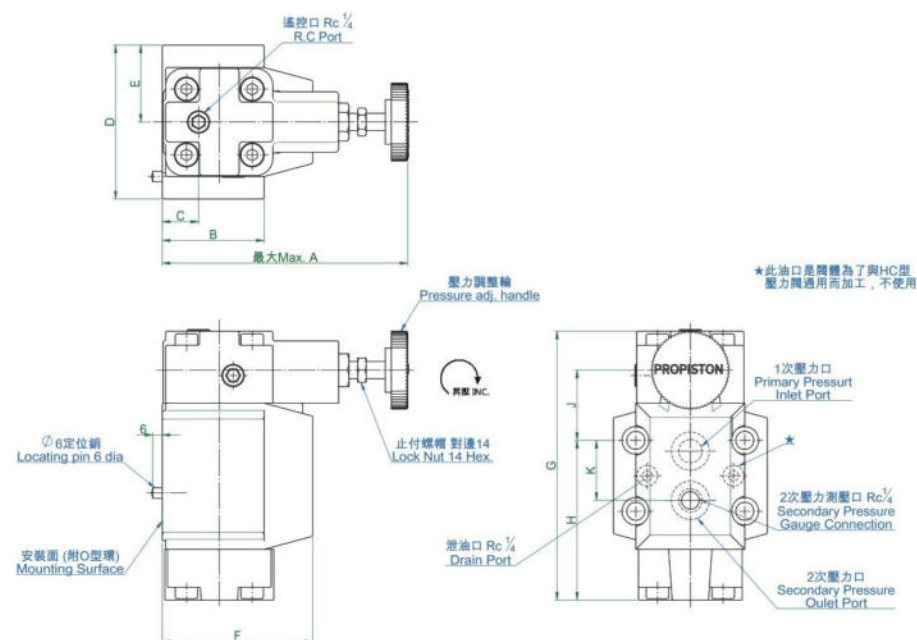
■ 規格 Specifications :

型 號 Model	口 徑 Valve Size	最高使用壓力 Pressure Adj. Range (Kgf/cm ²)	最大流量 Max. Flow (l/min)	重 量 Weight (kg)	
				RG	RCG
RG-03	3/8	B : 70 C : 140 H : 250	50	4.0	5.6
RCG-03					
RG-06	3/4		125	7	7.8
RCG-06					
RG-10	1-1/4		250	12.1	14.6
RCG-10					

■ 安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q	型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
RG-03	M10 X 55長	4	RCG-03	M10 X 70長	4
RG-06	M10 X 55長	4	RCG-06	M10 X 80長	4
RG-10	M10 X 60長	6	RCG-10	M10 X 90長	6

RCG - 03 . 06

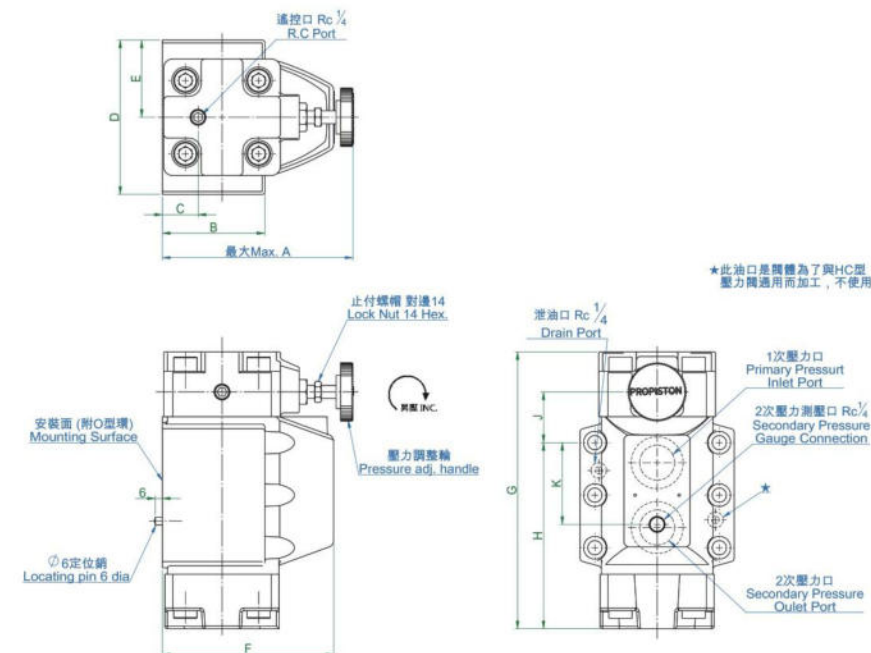


PROPISTON

壓力控制閥 Pressure Control Valves

減壓閥 Pressure Reducing Valves

RCG - 10



型 號 Model	A	B	C	D	E	F	G	H	J
RG-03	142	25	89	44.5	67	155.5	92.4	40.6	34.9
RG-06	141	21.5	102	51	79	179	111	40	48
RG-10	147	27.5	119	59.5	92	216	145	42	63

型 號 Model	A	B	C	D	E	F	G	H	J	K
RCG-03	142	59	25	89	44.5	90	155	92.4	40.6	34.9
RCG-06	141	69	21.5	102	51	108	179	111	40	48
RCG-10	147	79	27.5	119	59.5	132	216	146	42	63



PROPISTON

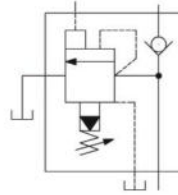
壓力控制閥 Pressure Control Valves

壓力卸載溢流閥 Unloading Relief Valve

■ BUCG - 06 , 10



- BUCG系列卸載溢流閥，適用於蓄能油路，或具有高低兩壓力之泵浦油路中，可確保泵浦在最小負載狀況下運轉。
- Unloading relief valve BUCG series is used to circuit with oil storage, or pump in high-low pressure , to make sure the pump operation under the minimum loading.



■ 型號意義 How to order :

BUC G - 06 - ※

1 2 3 4

1	系列號	Series
2	板式連接	SUB-Plate mounting
3	口徑代號	Valve Size
4	壓力調整範圍	Pressure Adjusting Range

■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	壓力調整範圍 Pressure Adj. Range kgf/cm ²	最大流量 Max. Flow (l/min)	重 量 Weight (kg)
BUCG-06	3/4	H : 250	125	12
BUCG-10	1 1/4		250	22

■ 安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
BUCG-06	M16X55 長	2
	M16X110 長	2
	M16X130 長	2
BUCG-10	M20X70 長	2
	M20X160 長	4

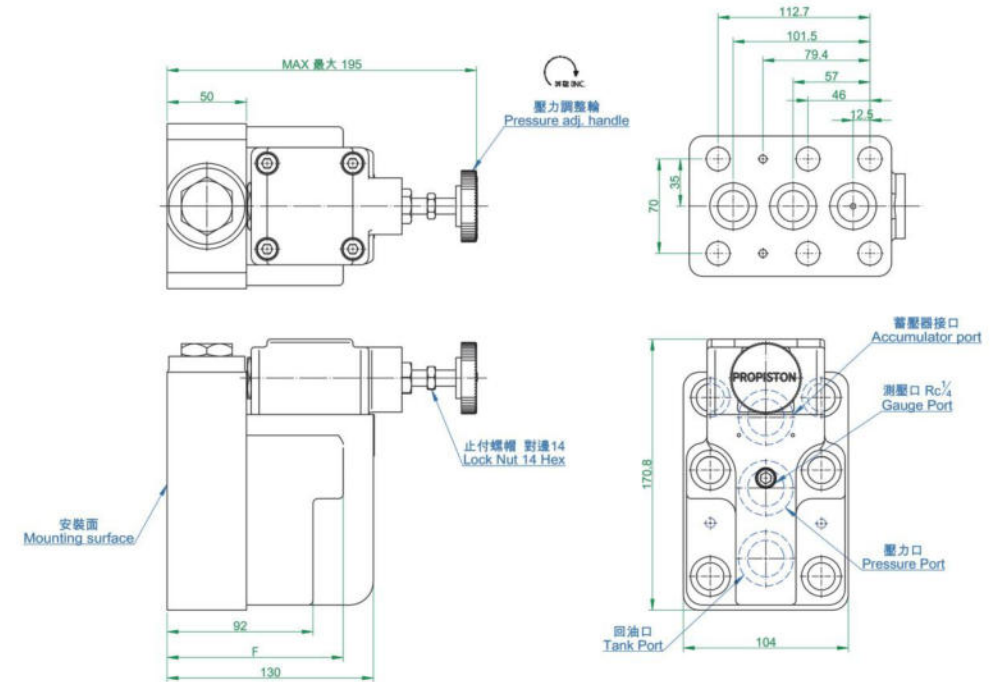


PROPISTON

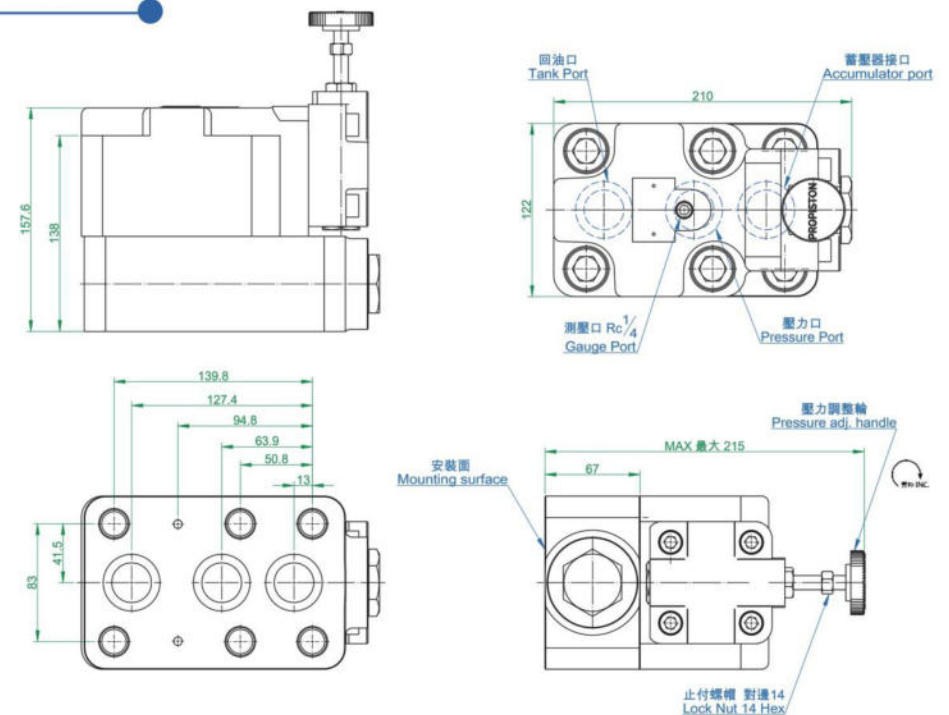
壓力控制閥 Pressure Control Valves

壓力卸載溢流閥 Unloading Relief Valve

BUCG - 06



BUCG - 10





PROPISTON

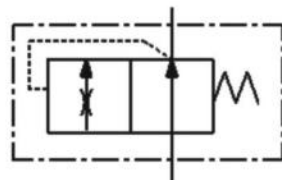
壓力控制閥 Pressure Control Valves

緩衝閥 Shock Less Valves

■ ST – 798



ST-798



■ 型號意義 How to order :

ST - 798

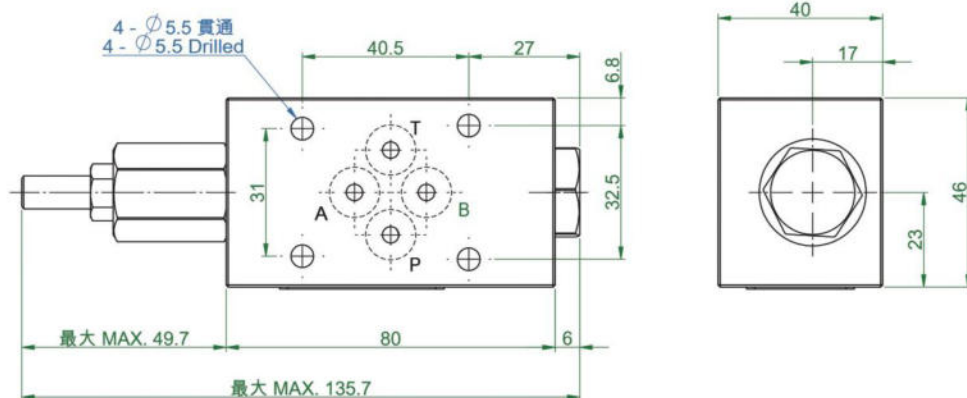
1 2

1	系列號	Series
2	□徑代號	Valve size

■ 規格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Operating pressure (kgf/cm ²)	重 量 Weight (kg)
ST-798	1/8"	250	1.2

ST - 798

**PROPISTON**

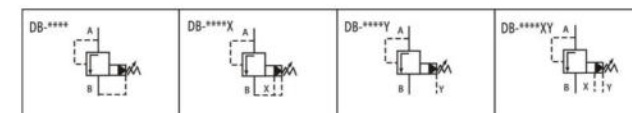
壓力控制閥 Pressure Control Valves

先導式溢流閥 Pilot Operated Relief Valves

■ DB - G03



- DB/DBW型壓力控制閥是先導式溢流閥。
- 它們用於底板安裝及油路塊安裝，借助於安裝在其上的方向電磁閥操作卸荷。
- DB,DBW Pressure valves are pilot operated pressure relief valves.
- For subplate mounting or installation in manifolds, solenoid operated unloading via a built-in directional spool valves, or directional poppet valves.



■ 型號意義 How to order :

DB W - G - 03 - A - 1 - XY - D - A110/220 - 20

1	2	3	4	5	6	7	8	9	10
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1	系列號	Series
2	無代號：無方向閥 W：上部安裝方向閥	No Code：No Directional W：Solenoid Controlled
3	安裝形式 G：板式安裝	Mountin SUB-Plate Mounting
4	閥規格	Valve Size 03：3/8"
5	閥形式 * A：常開 B：常閉	Valve Type A：Normally Vented B：Energized To Vent
6	壓力調整範圍	Pressure Adjusting Range
7	控制油,洩油型式 無代號：內部控制油及洩油 X：外部控制油供給 Y：外部控制油洩油 XY：外部控制油供給及洩油	Pilot And Drain Type No Code：Internal Pilot And Drain Type X：External Pilot Y：External Drain XY：External Pilot And Drain Type
8	引導閥形式	Pilot Valve Type D：2B2L Y：2B2 HA：2B3B
9	線圈電壓	Coil Voltage D12：DC 12V D24：DC 24V A110：110 /50/60HZ A220：220 /50/60HZ
10	接線方式 10：接線盒附 指示燈 20：插式接線座附 指示燈	Wiring 10：Join Box With Indicating Light 20：Hirschmann Type With Indicating Light

* 屬於DBW上部安裝方向閥



PROPISTON

壓力控制閥 Pressure Control Valves

先導式溢流閥 Pilot Operated Relief Valves

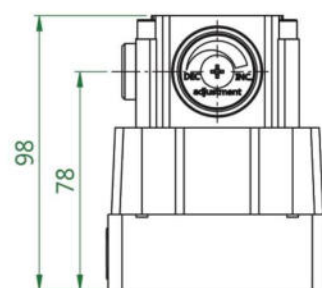
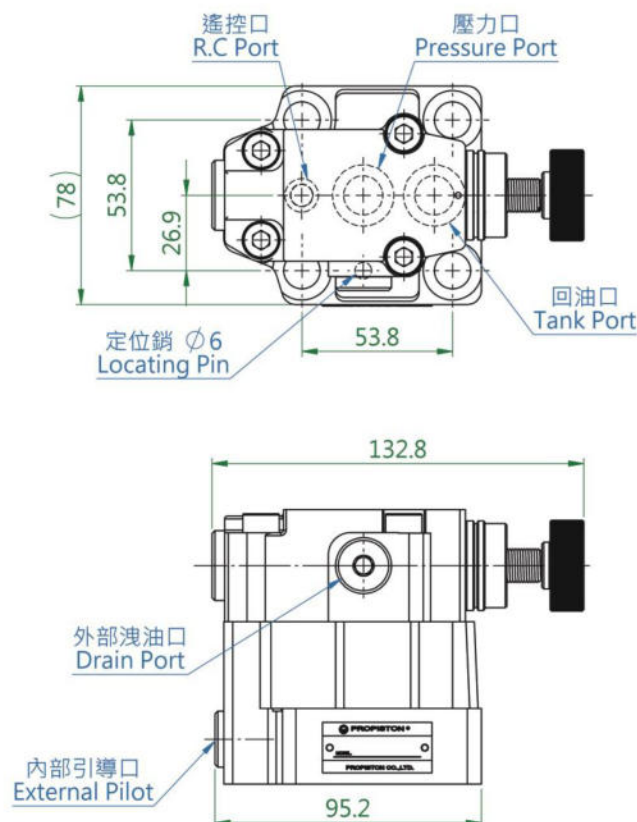
■ 規格 Specifications :

型號 Model	最高設定壓力 Max. Pressure kgf/cm ²	壓力調整範圍 Pressure Adj. Range kgf/cm ²	最大流量 Max. Flow (l/min)	Y口容許背壓 Max. Back kgf/cm ²	重量(不含電磁閥) Weight (No Contain Solenoid Valve) (Kg)		
DB-03	DBW-03	320	1 : 35 2 : 70 3 : 140	100	160	3.5	3.4

■ 安裝螺絲(附件) Attachment :

型號 Model	安裝螺絲 Mounting bolts	數量 Q
DB · DBW-03	M10X40 長	4

DB - ※ - G03

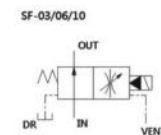


PROPISTON

流量控制閥 Flow Control Valves

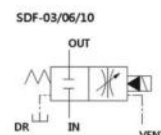
流量控制節流閥 Solenoid Operated Flow Control Valves

■ SF - 03, 06, 10



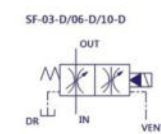
- SF系列電磁控制式節流閥之構造，是由可調式流量控制閥和電磁閥組成。在通常情況下，油路可自由流通，當電磁閥作動時，可作流量大小之調整。
- SF系列節流閥適合使用在需要快慢兩段速度控制之迴路中。
- Solenoid operated flow control valve SF series is composed of adjustable flow control valve and solenoid valve. The circuit is open normally, when turn the solenoid valve on, the flow is adjustable.
- Flow control valve SF series is used on circuit with both fast-slow speed.

■ SDF - 03, 06, 10



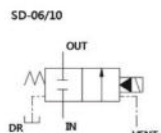
- SDF系列電磁控制式節流閥之構造，是由可調式流量控制閥和電磁閥組成。在通常情況下，油路不通，當電磁閥作動時，可作流量大小之調整。
- 此系列節流閥適合迴路動作開啓和停止控制。並且要求速度控制之場合。
- Solenoid operated flow control valve SDF series is composed of adjustable flow control valve and solenoid valve. The circuit is open normally, when turn the solenoid valve on, the flow is adjustable.
- This flow control valve is used to control for circuit open and close, and situation needs to request for speed control.

■ SF - 03, 06, 10-D



- SFD系列電磁控制式節流閥之構造，是由兩段式流量控制閥和電磁閥組成。
- 其流量大小為可調式，作慢速、快速控制。
- Solenoid operated flow control valve SFD series is composed of dual-section type flow control valve and solenoid valve.
- It is adjustable on flow for fast /slow speed control.

■ SD - 06, 10



- SD系列電磁控制式節流閥之構造，是由流量控制閥和電磁閥組成。
- 在通常情況下，油路不通，當電磁閥作動時，油路即自由流通。
- Solenoid operated flow control valve SD series is composed of flow control valve and solenoid valve.
- The circuit is open normally, when turn the solenoid valve on, circuit is open to flow.



PROPISTON

流量控制閥 Flow Control Valves

流量控制節流閥 Solenoid Operated Flow Control Valves

■ 型號意義 How to order :

SF - 03 - D

1 2 3

1	系列號	Series
2	閥規格	Valve size
3*	系列號	Series

* 註：只有SF才有此規格。Only SF have this specification.

■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Pressure kgf/cm ²	最大流量 Max. Flow (l/min)	導閥型式 Pilot Valve Type	重 量 Weight (kg)
SF-03	3/8	250	60	DSG-01-2B2	2.9
SF-06	3/4		120		5.5
SF-10	1-1/4		240		8.6
SDF-03	3/8		60		2.9
SDF-06	3/4		120		5.5
SDF-10	1-1/4		240		8.6
SF-03-D	3/8		60		3.1
SF-06-D	3/4		120		5.5
SF-10-D	1-1/4		240		8.6
SD-06	3/4		120		5.5
SD-10	1-1/4		240		8.6

* 不含電磁閥。free solenoid valve.

* 另有SF-06.SF-10外控型，詳情請諮詢大正公司。

Our company also have the external control type for SF-06 and SF-10. Please contact Propiston Co for further information.

■ 安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
SF-03	M6 X 65長	4
SF-06	M10 X 45長	4
SF-10	M12 X 55長	4

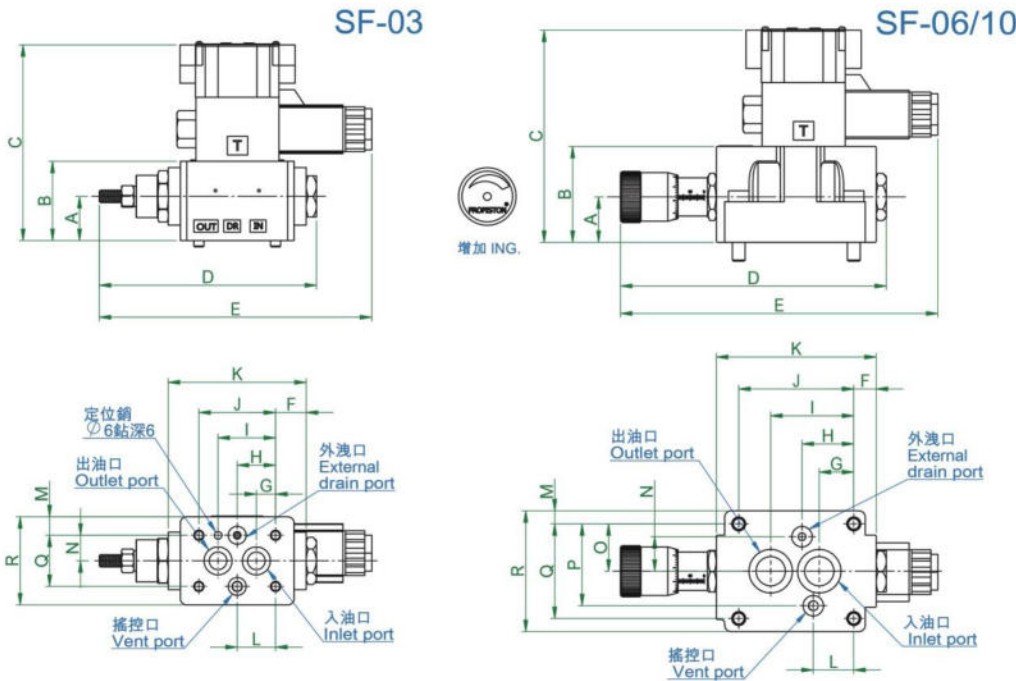


PROPISTON

流量控制閥 Flow Control Valves

流量控制節流閥 Solenoid Operated Flow Control Valves

SF - 03, 06, 10



型 號 Model	A	B	C	D	E	F	G	H	I
SF-03	34.5	62	153	170	213.5	14.5	15	30	45
SF-06	35.5	75	166	208	248	17.5	27	40.5	65
SF-10	40	86	177	242	274.5	19	34	47	78

型 號 Model	J	K	L	M	N	O	P	Q	R
SF-03	60	89	30	14.5	20			40	69
SF-06	90	125	31.7	10.3	27	37	64	74	94.5
SF-10	112	150	37.9	14.5	31.5	43	76	86	115



PROPISTON

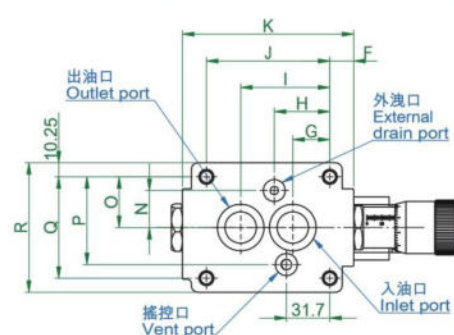
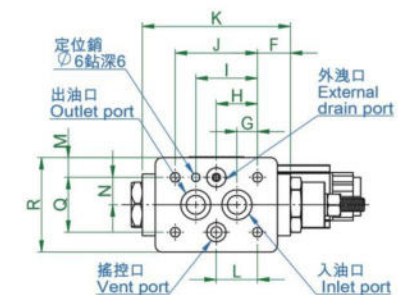
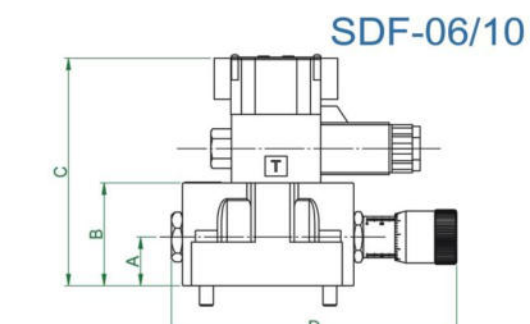
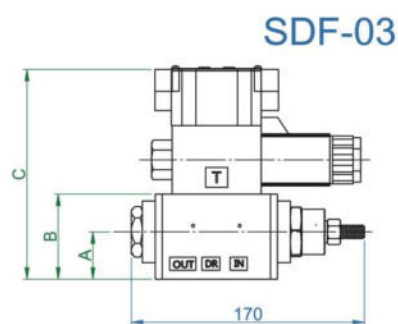
流量控制閥 Flow Control Valves

流量控制節流閥 Solenoid Operated Flow Control Valves

■ 安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
SDF-03	M6 X 65長	4
SDF-06	M10 X 45長	4
SDF-10	M12 X 55長	4

SDF - 03, 06, 10



型 號 Model	A	B	C	D	F	G	H	I	J
SDF-03	34.5	62	153	170	14.5	15	30	45	60
SDF-06	35.5	75	166	208	17.5	27	40.5	65	90
SDF-10	40	86	177	242	19	34	47	78	112

型 號 Model	K	L	M	N	O	P	Q	R
SDF-03	89	30	14.5	20			40	69
SDF-06	125	31.7	10.3	27	37	64	74	94.5
SDF-10	150	37.9	14.5	31.5	43	76	86	115



PROPISTON

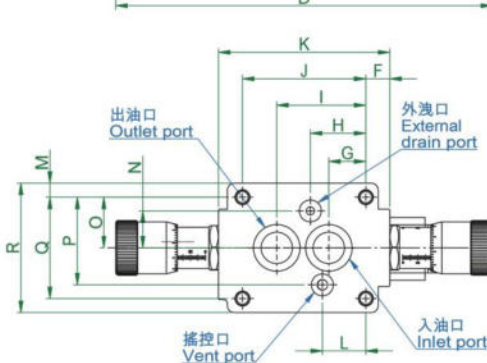
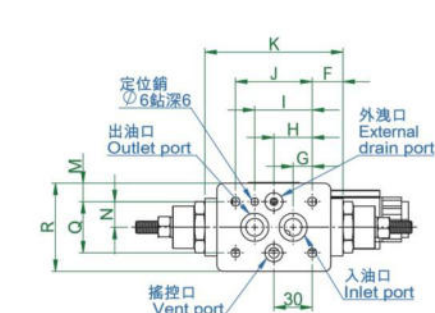
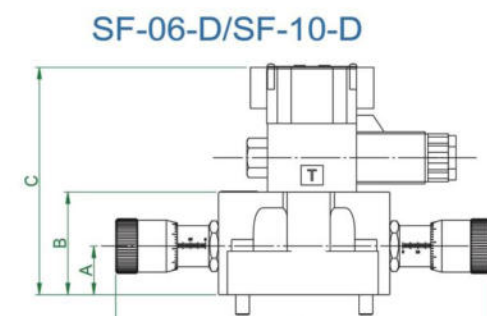
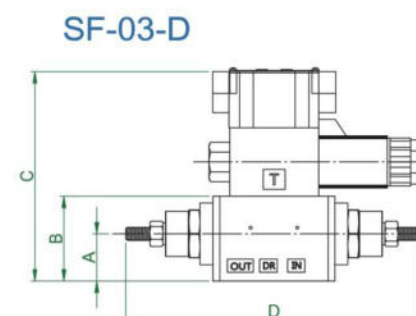
流量控制閥 Flow Control Valves

流量控制節流閥 Solenoid Operated Flow Control Valves

■ 安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
SF-03-D	M6 X 65長	4
SF-06-D	M10 X 45長	4
SF-10-D	M12 X 55長	4

SF - 03, 06, 10 - D



型 號 Model	A	B	C	D	F	G	H	I	J
SF-03-D	34.5	62	153	216	14.5	15	30	45	60
SF-06-D	35.5	75	166	275	17.5	27	40.5	65	90
SF-10-D	40	86	177	318	19	34	47	78	112

型 號 Model	K	L	M	N	O	P	Q	R
SF-03-D	89	30	14.5	20			40	69
SF-06-D	125	31.7	10.3	27	37	64	74	94.5
SF-10-D	150	37.9	14.5	31.5	43	76	86	115



PROPISTON

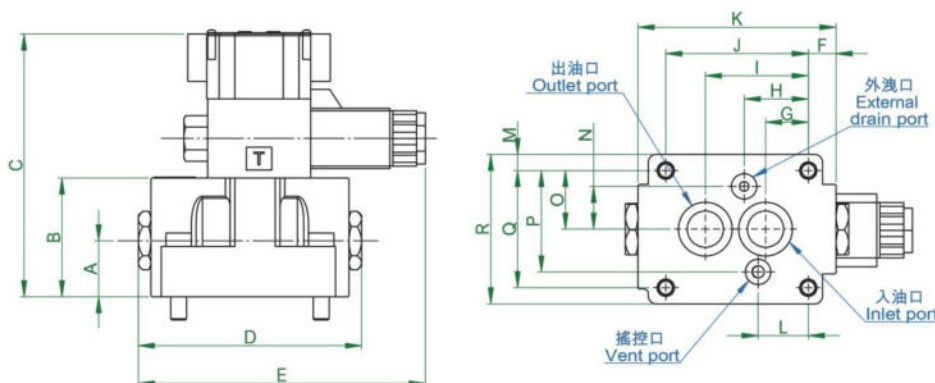
流量控制閥 Flow Control Valves

流量控制節流閥 Solenoid Operated Flow Control Valves

■ 安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
SD-06	M10 X 45長	4
SD-10	M12 X 55長	4

SD - 06, 10



型 號 Model	A	B	C	D	E	F	G	H	I
SD-06	35.5	75	166	141	181.5	17.5	27	40.5	65
SD-10	40	86	177	166	198.5	19	34	47	78

型 號 Model	J	K	L	M	N	O	P	Q	R
SD-06	90	125	31.7	10.3	27	37	64	74	94.5
SD-10	112	150	37.9	14.5	31.5	43	76	86	115

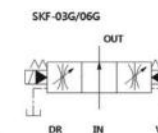


PROPISTON

流量控制閥 Flow Control Valves

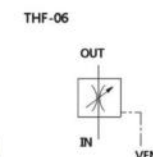
流量控制節流閥 Solenoid Operated Flow Control Valves

■ SKF - 03G, 06G



- SKF系列電磁控制式節流閥之構造，是由兩段式流量控制閥和電磁閥組成。
- 其流量大小為可調式，作慢速、快速控制。
- Solenoid operated flow control valve SKF series is composed of dual-section type flow control valve and solenoid valve.
- It is adjustable on flow for fast /slow speed control

■ THF - 06



- 無電磁閥之流量調整控制閥。
- Flow control valve with no solenoid valve.

■ 型號意義 How to order :

SKF - 03 - G

1 2 3

1	系列號	Series
2	閥規格	Valve size
3	板式安裝	Subplate mounted

■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Pressure kgf/cm ²	最大流量 Max. Flow (l/min)	導閥型式 Pilot Valve Type	重 量 Weight (kg)
SKF-03G	3/8	250	60	DSG-01-3C4	3.1
SKF-06G(SF-06T)	3/4	250	120	DSG-01-3C4	7
THF-06	3/4	250	120	-	6.4

* 不含電磁閥。free solenoid valve.

■ 安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
SKF-03G	M6 X 65長	4
SKF-06G	M10 X 45長	4

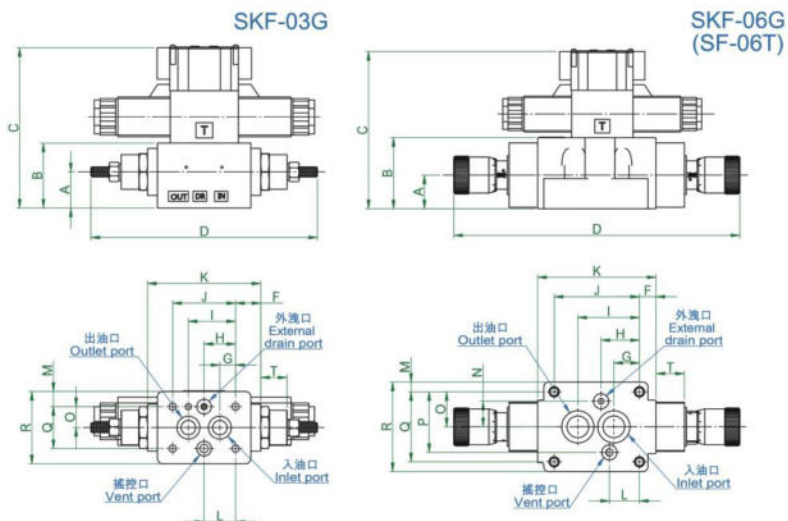


PROPISTON

流量控制閥 Flow Control Valves

流量控制節流閥 Solenoid Operated Flow Control Valves

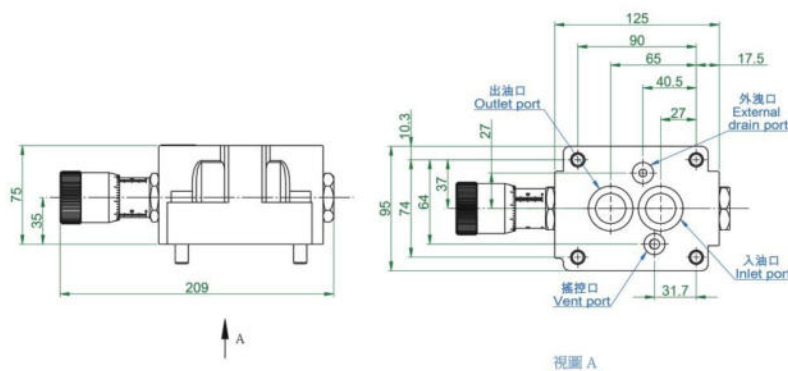
SKF - 03, 06G



型號 Model	A	B	C	D	F	G	H	I	J
SKF-03G	34.5	62	153	216	14.5	15	30	45	60
SKF-06G	35.5	75	166	302	17.5	27	40.5	65	90

型號 Model	K	L	M	N	O	P	Q	R	T
SKF-03G	89	30	14.5	20			40	69	
SKF-06G	125	31.7	10.3	27	37	64	74	94.5	30

THF - 06



■ 安裝螺絲 (附件) Attachment :

型號 Model	安裝螺絲 Mounting bolts	數量 Q
THF-06	M10 X 45長	4



PROPISTON

流量控制閥 Flow Control Valves

節流閥 Restrictors

■ SRG - 03, 06



■ SRT - 04, 06, 10



- SRG系列節流閥之主要功能，是調整迴路速度。
- 當壓力幾乎固定，或是壓力變動，允許少量流量流動的情況下，使用此系列閥，油可從出油口自由流向進油口。

- Restrictor SRG series is to adjust the circuit speed.
- When pressure is fixed or changeable, it allows having a little flow by using this valve.

- SRT系列節流閥使用在機構速度的調整。
- 當壓力幾乎固定，或因壓力變動產生的流量波動。由於結構上之平衡，因次在高壓時也可容易調整。

- Restrictor SRT series is used to adjust the speed of mechanism.
- When pressure is fixed, or it causes the different flow by pressure changing, it is still easy to adjust under high pressure, due to the balance on structure of design.

■ 型號意義 How to order : SR - G - 03

1 2 3

1	系列號	Series
2	安裝型式 G : 板式安裝 T : 管式安裝	Mounting G : SUB-Plate connections T : Threaded connections
3	閥規格	Valve Size

■ 規格 Specifications :

型號 Model	口徑 Valve Size	最大流量 Max. Flow (l/min)	重量 Weight (kg)
SRG-03	3/8	30	1.4
SRG-06	3/4	80	4.2
SRT-03	3/8	30	1.3
SRT-06	3/4	80	2.9
SRT-10	1-1/4	200	

■ 安裝螺絲 (附件) Attachment :

型號 Model	安裝螺絲 Mounting bolts	數量 Q
SRG-03	M8 X 35長	4
SRG-06	M8 X 45長	4

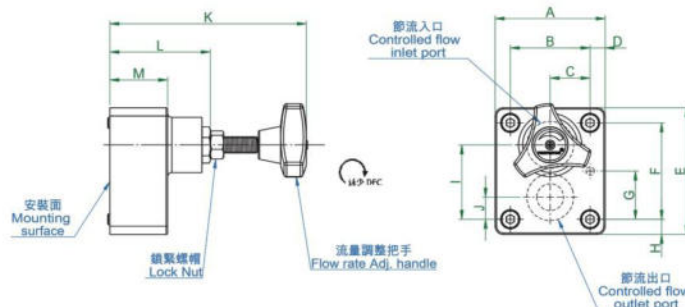


PROPISTON

流量控制閥 Flow Control Valves

節流閥 Restrictors

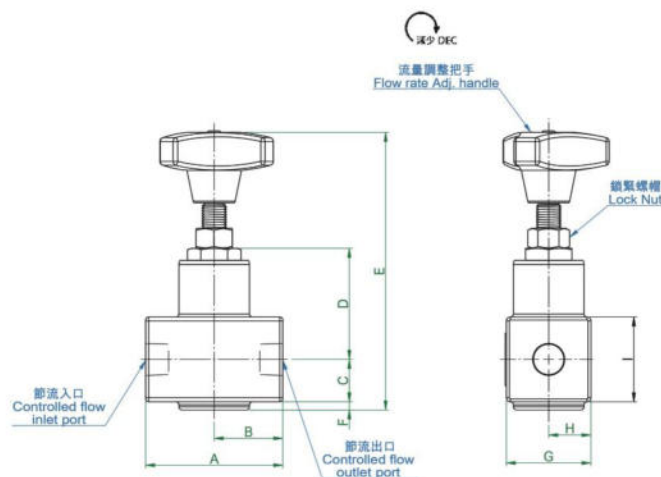
SRG - 03, 06



型號 Model	A	B	C	D	E	F	G	H	I
SRG-03	60	40	20	10	80	60	30	10	45
SRG-06	80	58	29	11	92	70	35	11	54

型號 Model	J	K	L	M
SRG-03	15	118	61	30
SRG-06	16	143	73	42

SRT - 03, 06, 10



型號 Model	A	B	C	D	E	F	G	H	I
SRT-03	68	34	21	55	137	4	42	21	42
SRT-06	100	50	30	62	162	-	60	30	60
SRT-10	130	65	40	94	197	-	80	40	80



PROPISTON

流量控制閥 Flow Control Valves

單向節流閥 One Way Restrictors

■ SRCG - 03, 06



- SRCG系列節流閥附止回閥之主要功能，是調整迴路速度。
- 當壓力幾乎固定，或是壓力變動，允許少量流量流動的情況下，使用此系列閥，油可從出油口自由流向進油口。

- One-way restrictor SRCG series is to adjust the circuit speed.
- When pressure is fixed or changeable, it allows having a little flow by using this valve, oil can flow from outlet to inlet.

■ SRCT - 04, 06, 10



- SRCT系列節流閥使用在機構速度的調整。
- 當壓力幾乎固定，或因壓力變動產生的流量波動。由於結構上之平衡，因次在高壓時也可容易調整。

- Restrictor SRCT series is used to adjust the speed of mechanism.
- When pressure is fixed, or it causes the different flow by pressure changing, it is still easy to adjust under high pressure, due to the balance on structure of design.

■ 型號意義 How to order : SRC - G - 03

1 2 3

1	系列號	Series
2	安裝型式 G：板式安裝 T：管式安裝	Mounting G：SUB-Plate connections T：Threaded connections
3	閥規格	Valve Size

■ 規格 Specifications :

型號 Model	口徑 Valve Size	最大流量 Max. Flow (l/min)	重量 Weight (kg)
SRCG-03	3/8	30	1.9
SRCG-06	3/4	80	3.4
SRCT-04	1/2	30	1.5
SRCT-06	3/4	80	3.2
SRCT-10	1-1/4	200	7.1

■ 安裝螺絲 (附件) Attachment :

型號 Model	安裝螺絲 Mounting bolts	數量 Q
SRCG-03	M8 X 40長	4
SRCG-06	M10 X 40長	4

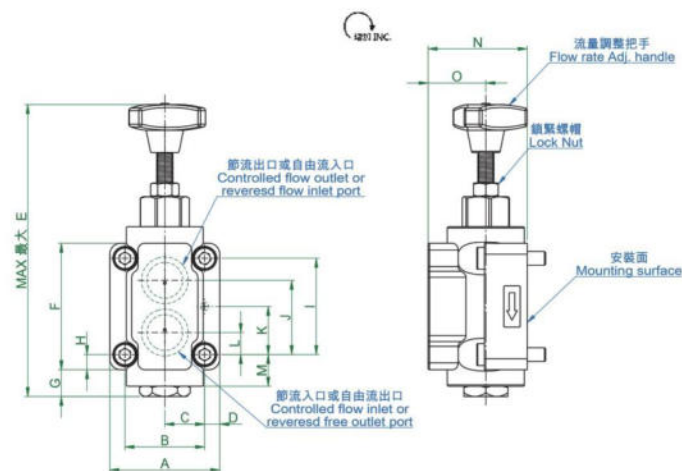


PROPISTON

流量控制閥 Flow Control Valves

單向節流閥 One Way Restrictors

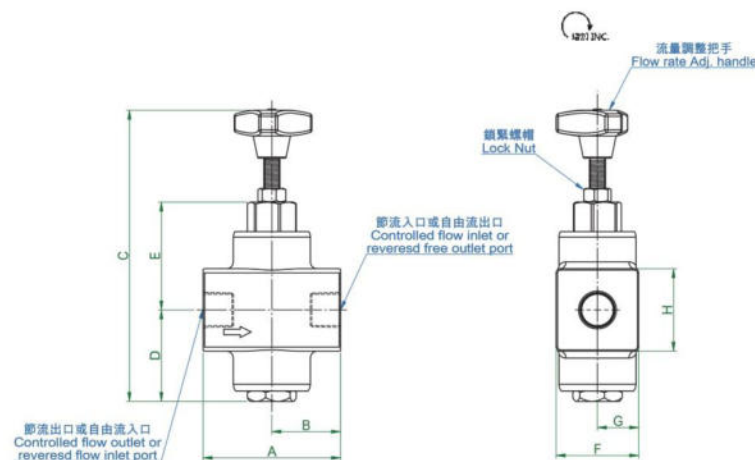
SRCG - 03, 06



型號 Model	A	B	C	D	E	F	G	H
SRCG-03	62	40	20	11	175	81	18	10.5
SRCG-06	80	58	29	11	212	92	19.5	11

型號 Model	I	J	K	L	M	N	O
SRCG-03	60	44.5	30	14.5	23	60	30
SRCG-06	70	54	35	16	23	72	42

SRCG - 04, 06, 10



型號 Model	A	B	C	D	E	F	G	H
SRCT-03	70	35	175	57.5	60	42	20	42
SRCT-06	100	50	212	66.5	78.5	60	30	60
SRCT-10	130	65	251	78.5	103.5	80	40	80

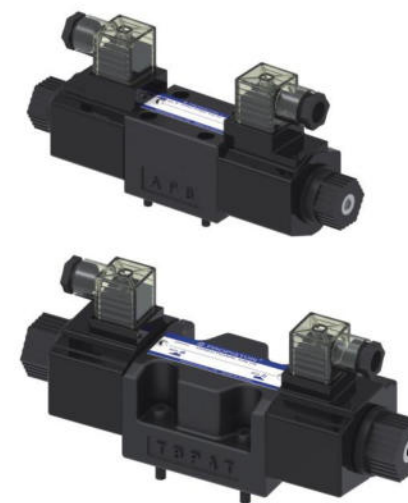


PROPISTON

方向控制閥 Directional Control Valves

電磁換向閥 Solenoid Operated Directional Valves

DSG - 01, 03



- DSG系列採用強力濕式電磁線圈和合理的鑄件流路設計而實現高壓，大流量、低壓力損失的電磁換向閥。
- 因有多種閥型式，各種電磁線圈可供選擇的功能，因此對任何系統均能選擇最適用的閥。
- DSG series these valves are adapted with strong wet-type solenoid and circuit designs to accomplish high pressure, large volume flow and lower pressure drop.
- The optimum valve for any system can be utilized since many spool types and various solenoid are all available, along with other optional function.

型號意義 How to order :

DSG - 03 - 3C2 - A110 - 20 - 50HZ

1 2 3 4 5 6

1	系列號	Series
2	口徑代號	Valve size 01 : 1/8" , 03 : 3/8"
3	心軸型號	Spool type
4	電磁線圈型 : A110 ,A220 ,D24等	Coil type : A A110 ,A220 ,D24 ...Etc
5	10 : 帶燈的集中連接盒 20 : 插入式接頭袋密封套	10 : With lamp central connection 20 : Plug-in connection
6	線圈電壓	Cole Voltage

規格 Specifications :

型號 Model	最大流量 Max. Flow (l/min)	最高壓力 Max. Pressure (Kgf/cm ²)	回油口容許背壓 Max. T-Line Back Pres. (Kgf/cm ²)	最高換向頻率 Conversion Frequency 次/分Cycle/ min	重量 Weight (kg)	
					AC	DC
DSG-01-2B※	63	315	160	AC 240回/分 Cycle / min	1.6	1.6
DSG-01-2D※					2.2	2.2
DSG-01-3C※					2.2	2.2
DSG-03-2B※	120	315	160	AC 240回/分 Cycle / min	2.9	3.6
DSG-03-3C※					3.6	5



PROPISTON

方向控制閥 Directional Control Valves

電磁換向閥 Solenoid Operated Directional Valves

■ 電磁線圈規格 Solenoid Ratings :

電源 Mains	電磁線圈型 Coil type	適用工作電壓範圍 Serviceable Range	
交流AC AC Solenoid	A110	50Hz	90-110
		60Hz	100-120
	A220	50Hz	180-220
		60Hz	220-240
直流DC DC Solenoid	D24	21.6~26.4	

■ 閥軸型式 Type of spool :

軸閥 代號 Spool No.	功 能 Functions	圖 形 符 號 Graphic Symbols			
		三位閥 3 Position 3 ※ ※	兩位閥 2 Position		
			2 ※ ※ *	2 ※ ※ A	2 ※ ※ B
2	中間位置全封閉 Closed Centre all Ports				
3	中間位置全連通 Open Centre all Ports				
4	中間位置A,B,T連通 Open Centre A,B & T				
40	中間位置A,B,T半啟閉連通 Open Centre A,B & T Restricted Flow				
5	中間位置P,A,T全連通 Open Centre P,A & T				
60	中間位置P,T連通 (換向過渡時P,A,B,T連通) Open Centre P&T Open Crossover				
7	中間位置P,A,B,T半啟閉 Open Centre all Ports Restricted Flow				
8	中間位置全封閉 作為兩通閥使用 2-Way				
9	中間位置P,A,B連通 Open Centre P,A & B				
10	中間位置B,T連通 Open Centre B & T				
11	中間位置P,A連通 Open Centre P & A				
12	中間位置A,T連通 Open Centre A & T				

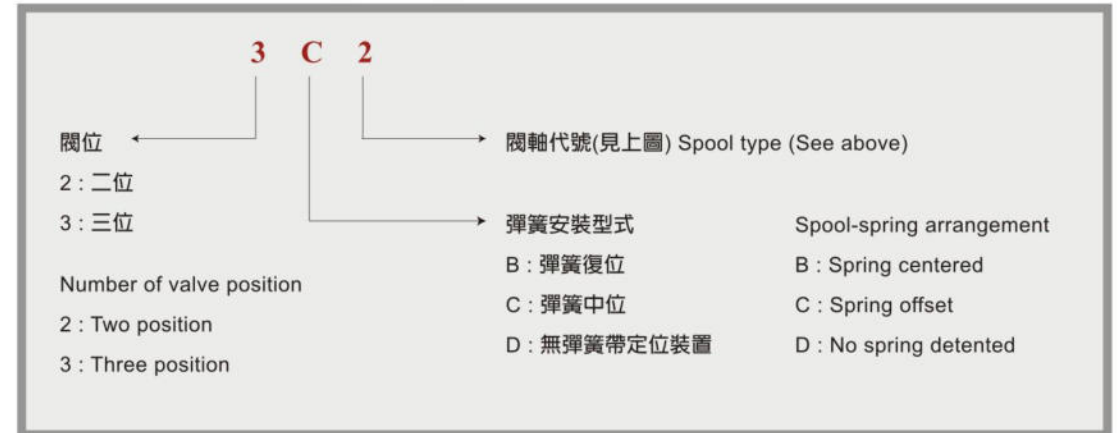


PROPISTON

方向控制閥 Directional Control Valves

電磁換向閥 Solenoid Operated Directional Valves

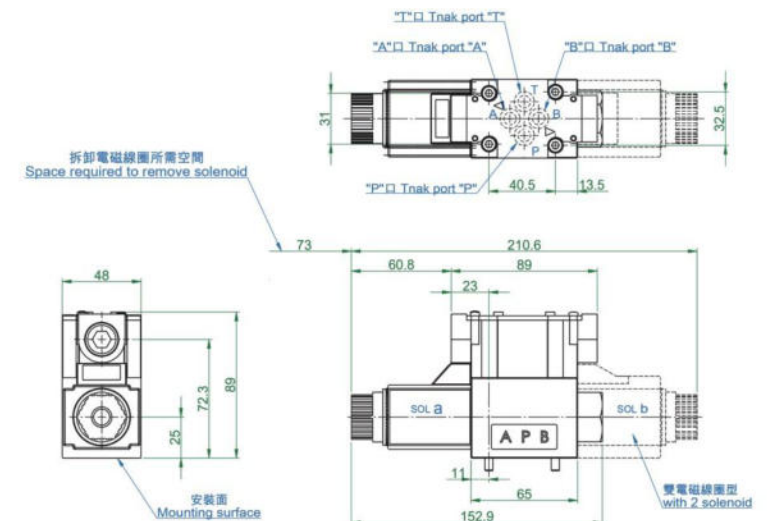
■ 閥軸型式意義 Valve type designation :



■ 安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
DSG-01	M5 X 45長	4
DSG-03	M5 X 35長	4

DSG - 01-AC-10



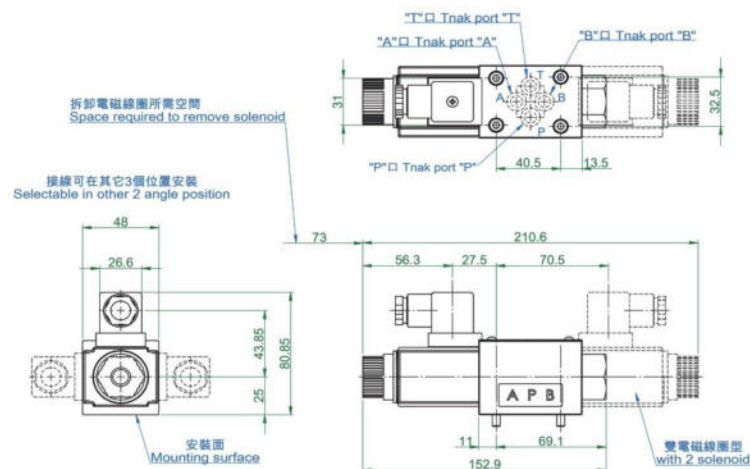


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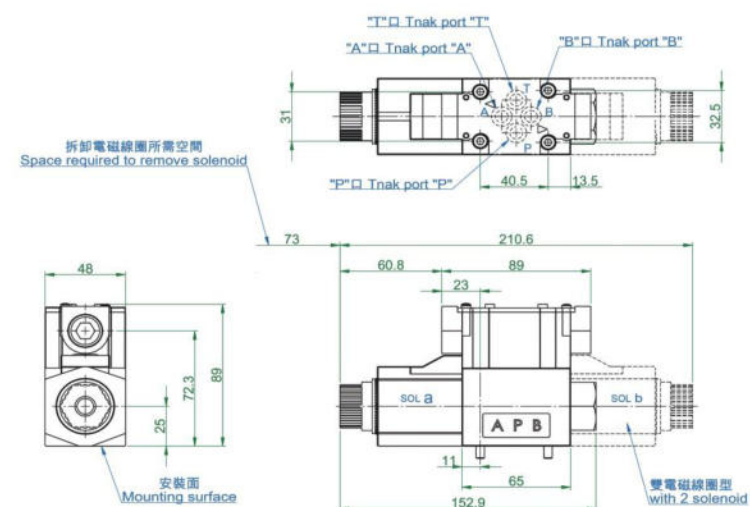
方向控制閥 Directional Control Valves

電磁換向閥 Solenoid Operated Directional Valves

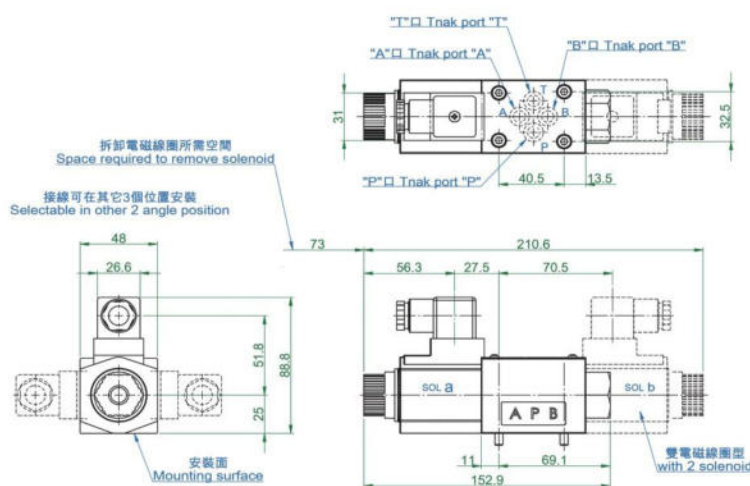
DSG - 01-AC-20



DSG - 01-DC-10



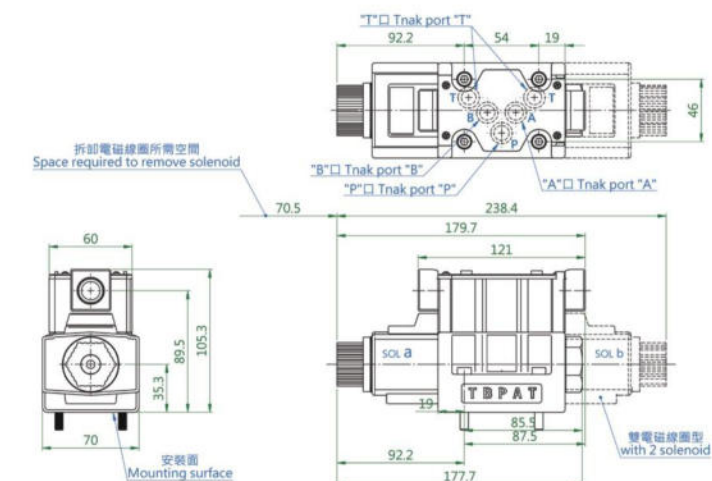
DSG - 01-DC-20



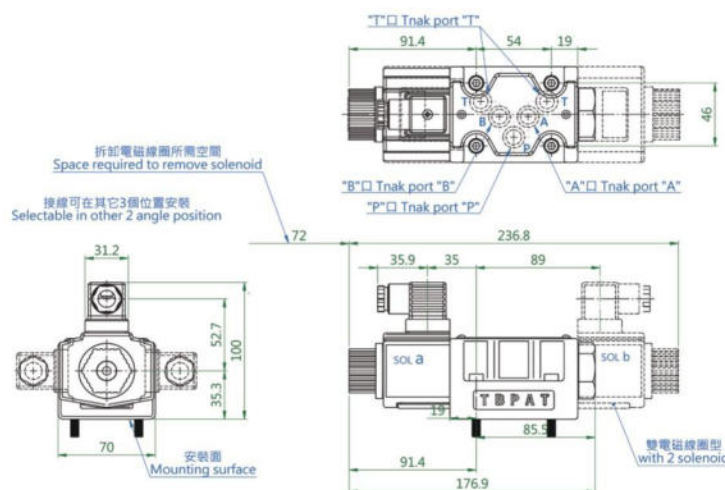
方向控制閥 Directional Control Valves

電磁換向閥 Solenoid Operated Directional Valves

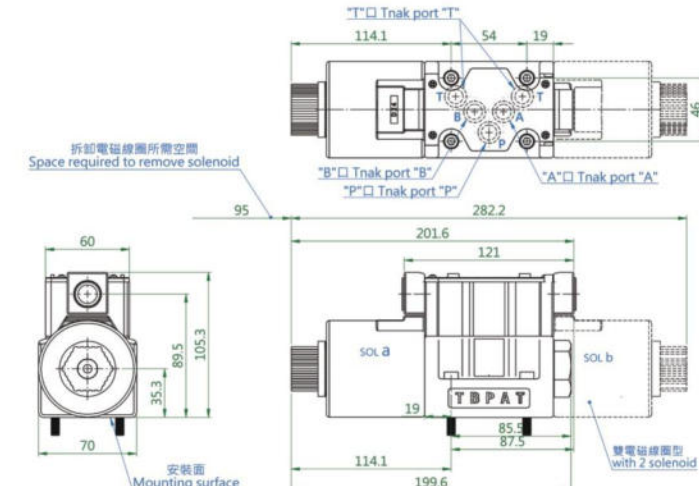
DSG - 03-AC-10



DSG - 03-AC-20



DSG - 03-DC-10



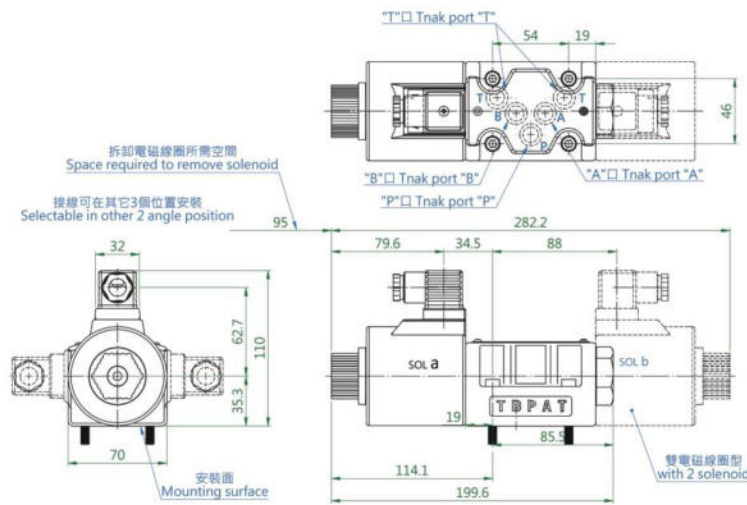


PROPISTON

方向控制閥 Directional Control Valves

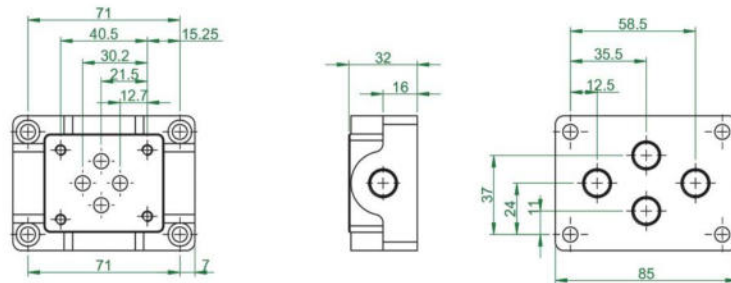
電磁換向閥 Solenoid Operated Directional Valves

DSG - 03-DC-20

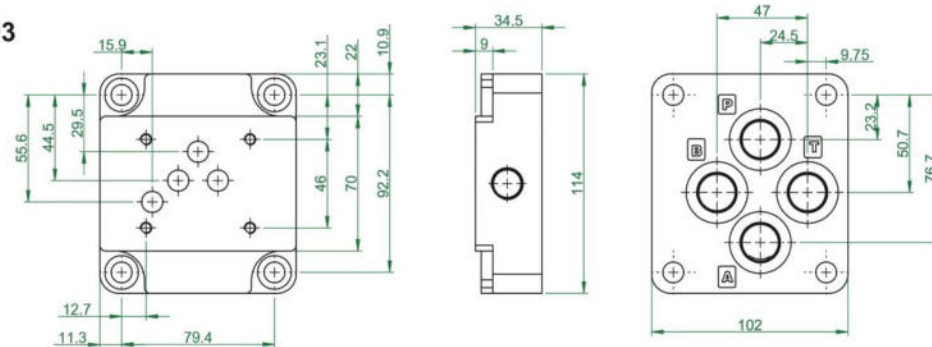


■ 底板尺寸圖 Bottom plate dimensions :

DSGM - 01



DSGM - 03



PROPISTON

方向控制閥 Directional Control Valves

電磁換向閥 Solenoid Operated Directional Valves

■ 4WE - 6



- WE型方向控制閥是電磁鐵操作的換向滑閥,用以控制油液的開啓、停止和方向。
- 具有三位四通,二位四通或二位三通的方向設計,帶可拆卸線圈的帶濕式插腳的直流或交流線圈。
- 因有多種閥型式,各種電磁線圈可供選擇的功能,因此對任何系統均能選擇最適用的閥。
- Type WE directional control valves are solenoid operated spool valves. They control the start, stop and direction of flow.
- 4/3, 4/2 or 3/2 directional design, Wet-pin DC or AC solenoids with detachable coil.
- The optimum valve for any system can be utilized since many spool types and various solenoids are all available, along with other optional function.

■ 型號意義 How to order :

4WE - 6 - J62 - A110/50 - 20

1 2 3 4 5

1	4個工作口	4 Service Ports
2	規格6=02	Size 6 =02
3	心軸型號及組件規格	Spool Type And Component Series
4	線圈電壓	Cole Voltage : A110 = 110V /50/60HZ A22 = 220V /50/60HZ D24 = 24V DC
5	20 : 插入式接頭袋密封套	20 : Plug-in Connection

■ 安裝螺絲 (附件) Attachment :

型號 Model	安裝螺絲 Mounting bolts	數量 Q
4WE-6	M5X45 長	4



PROPISTON

方向控制閥 Directional Control Valves

電磁換向閥 Solenoid Operated Directional Valves

產品數據 Technical data :

最高工作壓力 Operating Pressure (Kgf/cm ²)	油口 A, P, T Port A, P, T 350	油口 T Port T 160
最大流量 Maximum Flow (l/min)	60	
電壓類型 Type of Voltage	直流電壓 DC Voltage	交流電壓 AC Voltage
可用電壓 Type Of Voltage	12 + 24	110V + 220V
允許電壓波動範圍 Supply Voltage Tolerance (%)	+10 ~ -15	+10 ~ -15
工作壓力 Working Pressure (Mpa)	21	21
流入電流 Inrush VA (VA)	32	≤66
消耗功率 Power Consumption (W)	32	≤28
重量 Weight	AC	DC
帶有1個線圈 Kg	1.6	1.6
帶有2個線圈 Kg	2.2	2.2

* 為了保證獲得滿意的操作，務必使電磁鐵的壓力腔充滿油液。

* To guarantee satisfactory operation care should be taken to ensure that the solenoid pressure chamber is filled with oil.

閥軸型式 Type of spool :

D	A B a b P T	E	A B a b P T	EA	A B a b P T	EB	A B a b P T
Y	A B a b P T	H	A B a b P T	HA	A B a b P T	HB	A B a b P T
EA	A B a b P T	J	A B a b P T	JA	A B a b P T	JB	A B a b P T
EB	A B a b P T	L	A B a b P T	LA	A B a b P T	LB	A B a b P T
FA	A B a b P T	U	A B a b P T	UA	A B a b P T	UB	A B a b P T
FB	A B a b P T	G	A B a b P T	GA	A B a b P T	GB	A B a b P T

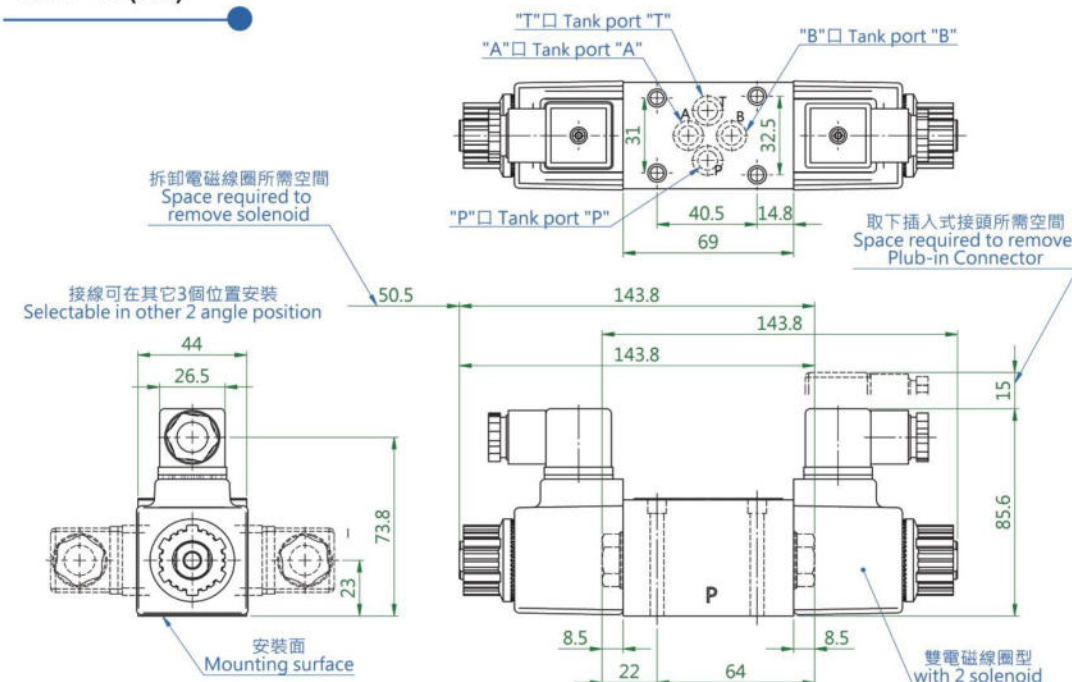


PROPISTON

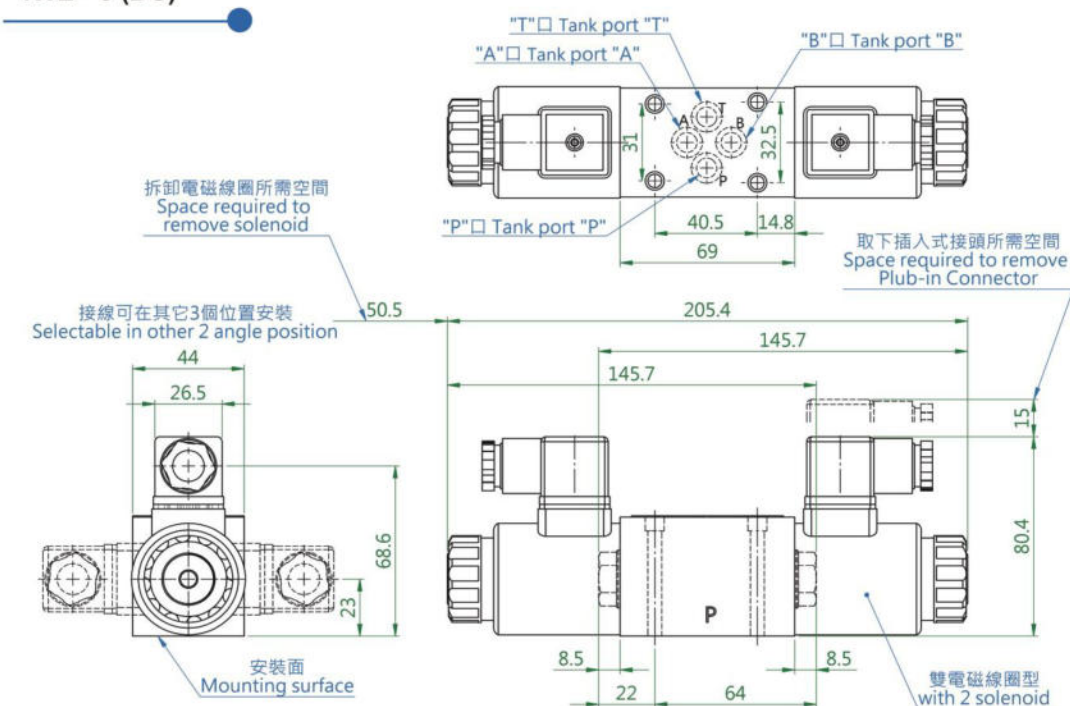
方向控制閥 Directional Control Valves

電磁換向閥 Solenoid Operated Directional Valves

4WE - 6 (AC)



4WE - 6 (DC)





PROPISTON

方向控制閥 Directional Control Valves

電液換向閥 Solenoid Controlled Operated Directional Valves

DSHG - 04 , 06 , 10



- 本電液換向閥由電磁換向閥和液控換向閥組成。當電磁線圈通電時，先導閥切換先導油流的方向，並以之推動液控換向閥的閥軸，從而改變液壓系統油路的油流方向。
- These valves are composed of a solenoid operated pilot valve and a pilot operated slave valve. When a solenoid is energized the pilot valve directs the flow to move the spool of the slave valve, thus changing the direction of flow in the hydraulic circuit.

型號意義 How to order :

DSHG - 04 - 3C2 - C1 - E T - AB - A110 - 50HZ - 20

1 2 3 4 5 6 7 8 9 10

1	系列號	Series
2	口徑代號	Valve size
3	心軸型號	Spool type
4	帶阻尼調節器(任選) C1 : P口節流 C2 : AB口節流 C1C2 : P, AB口節流 (不帶時省略)	Options-Model with pilot choke valve C1 : With C1 choke valve C2 : With C2 choke valve C1C2 : With C1 choke valve & With C2 choke valve (Omit if not required)
5	先導方式 E : 外控 無記號 : 內控	Pilot connection E : External pilot. None : Internal pilot
6	洩油方式 T : 內洩 無記號 : 外洩	Pilot connection E : External drain. None : Internal drain
7	無記號 : 標準型式 AB : AB側加可調整把手 A : A側加可調整把手 B : B側加可調整把手	None: Standard Type AB: AB plus adjustable side handle A: A plus adjustable side handle B: B-side adjustable handle plus
8	電磁線圈型	Pressure adjusting range
9	線圈電壓	Cole Voltage
10	10 : 帶燈的集中連接盒 20 : 插入式接頭袋密封套	10 : With lamp central connection 20 : Plug-in connection



PROPISTON

方向控制閥 Directional Control Valves

電液換向閥 Solenoid Controlled Operated Directional Valves

電磁線圈規格 Solenoid Ratings :

電源 Mains	電磁線圈型 Coil type	適用工作電壓範圍 Serviceable Range	
交流AC AC Solenoid	A110	50Hz	90-110
		60Hz	100-120
	A220	50Hz	180-220
		60Hz	220-240
直流DC DC Solenoid	D24	21.6~26.4	

規格 Specifications :

型號 Model	口徑 Valve Size	最大流量 ^{*1} Max. Flow (l/min)	最高工作壓力 Max. Operating Pressure MPa (kgf/cm ²)	回油口容許背壓 Max. T-Line Back Pressure MPa(kgf/cm ²)	最高換向頻率 Conversion Frequency 次/分Cycles/mim	重量 Weight (kg)
DSHG-04-2B※	1/2"	300	31.5 (315)	21(16) ^{*2}	120	8.2
DSHG-04-2N※						8.8
DSHG-04-3C※						8.8
DSHG-06-2B※	3/4"	500	31.5 (315)	21(16) ^{*2}	120	12.1
DSHG-06-2N※						12.7
DSHG-06-3C※						12.7
DSHG-10-2B※	1-1/4"	1100	31.5 (315)	21(16) ^{*2}	60	44.7
DSHG-10-2N※					100	45.3
DSHG-10-3C※					120	45.3

*1 最大流量因閥軸及回路搭配而異。Max. flow depends on the type of spool and operating conditions.

*2 內泄型，其容許背壓限制於括弧內的數值。Please refer to the bracket for T-Line back Pressure.



PROPISTON

方向控制閥 Directional Control Valves

電液換向閥 Solenoid Controlled Operated Directional Valves

閥軸型式 Type of spool :

軸閥代號	功 能	圖 形 符 號			
		三位閥 3※※	兩位閥		
			2※※ *	2※※ A	2※※ B
2	中間位置全封閉				
3	中間位置全連通				
4	中間位置A,B,T連通				
40	中間位置A,B,T半啟開連通				
5	中間位置P,A,T全連通				
60	中間位置P,T連通 (換向過渡時P,A,B,T連通)				
7	中間位置P,A,B,T半啟開				
8	中間位置全封閉 作為兩通閥使用				
9	中間位置P,A,B連通				
10	中間位置B,T連通				
11	中間位置P,T連通				
12	中間位置A,T連通				

閥軸型式意義 Valve type designation :

3	C	2
閥位	閥軸代號(見上圖) Spool type (See above)	
2 : 二位		
3 : 三位		
Number of valve position	彈簧安裝型式 Spool-spring arrangement	
2 : Two position	B : 彈簧復位 B : Spring centered	
3 : Three position	C : 彈簧中位 C : Spring offset	
	D : 無彈簧帶定位裝置 D : No spring detented	

安裝螺絲 (附 件) Attachment :

型 號 Model	內六角螺絲 Mounting bolts	數 量 Q
DSHG-04	M6 X 45長	2
	M10 X 50長	4
DSHG-06	M12 X 45長	6
DSHG-10	M20 X 75長	6

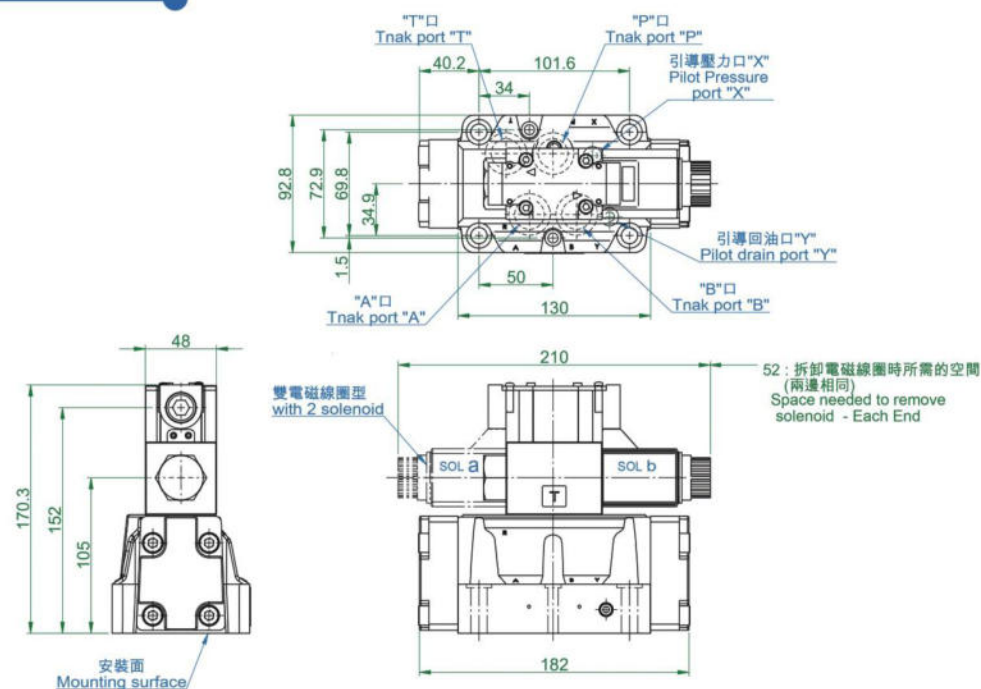


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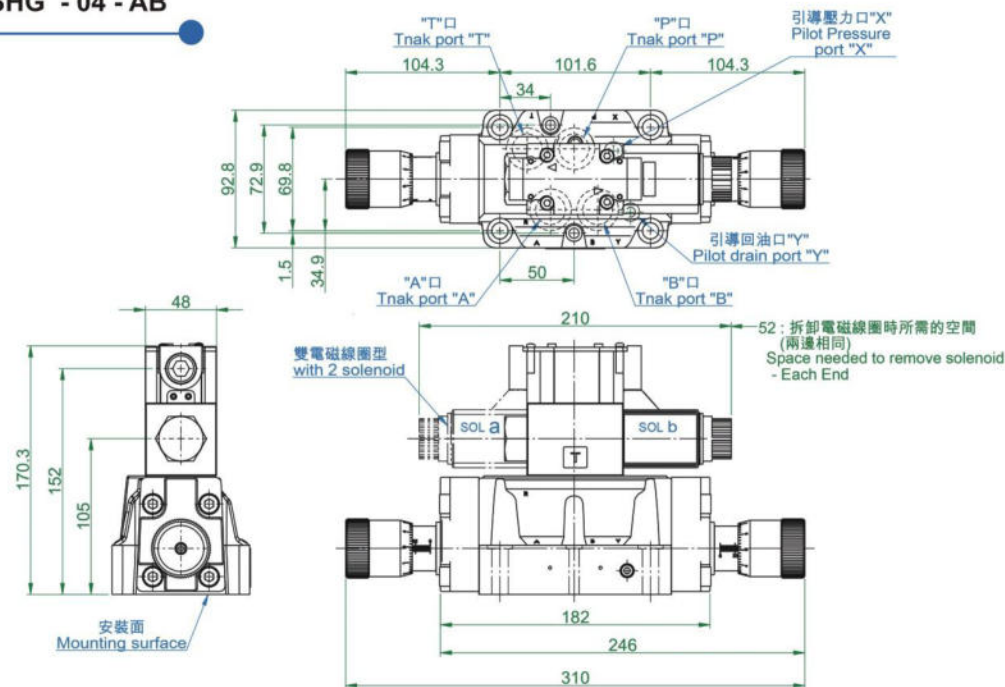
方向控制閥 Directional Control Valves

電液換向閥 Solenoid Controlled Operated Directional Valves

DSHG - 04



DSHG - 04 - AB



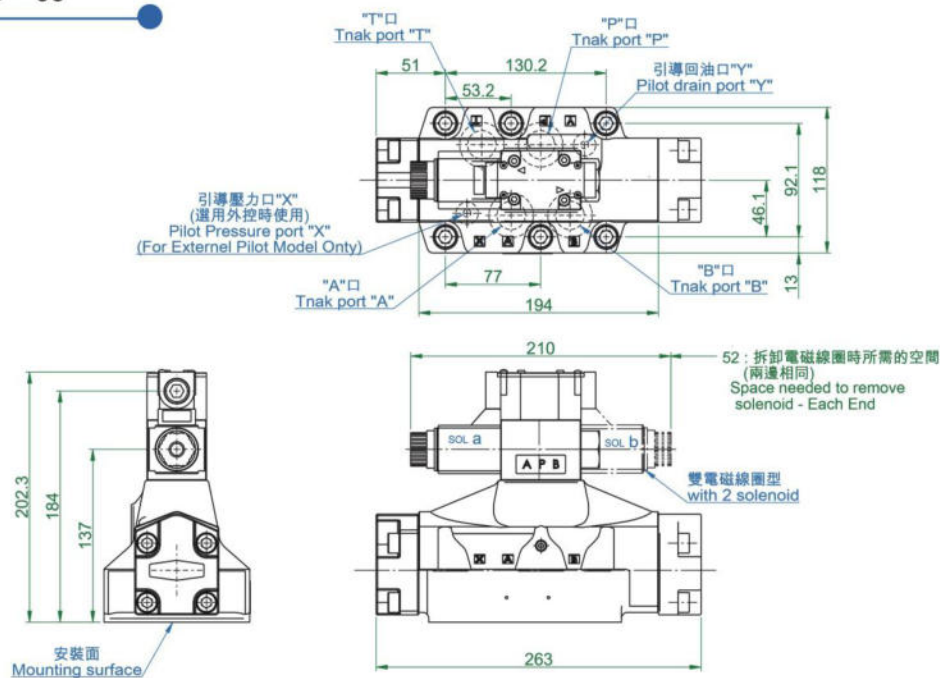


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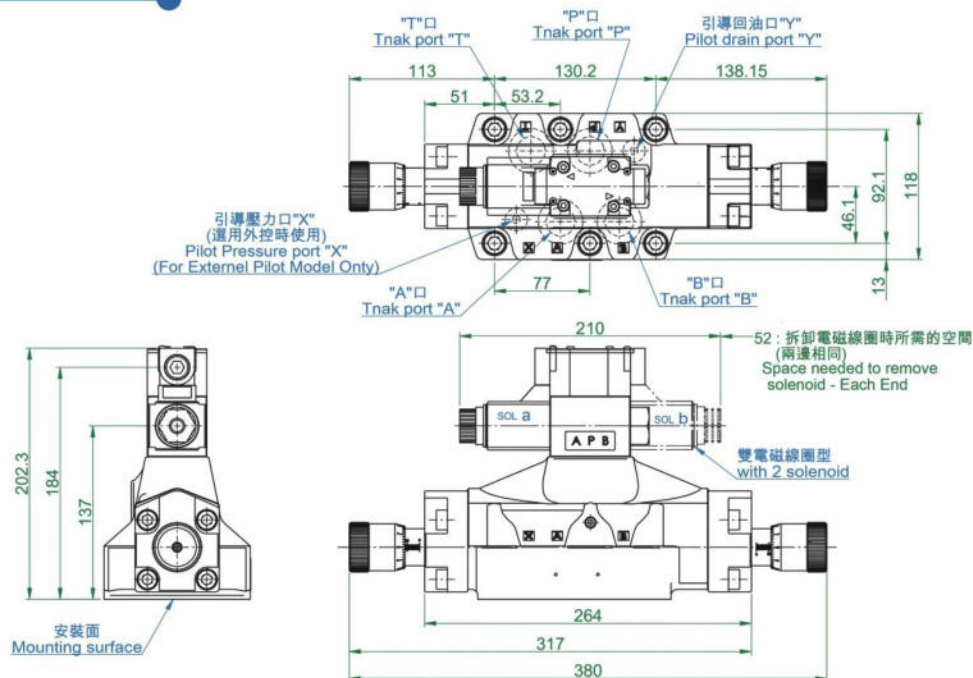
方向控制閥 Directional Control Valves

電液換向閥 Solenoid Controlled Operated Directional Valves

DSHG - 06



DSHG - 06 - AB

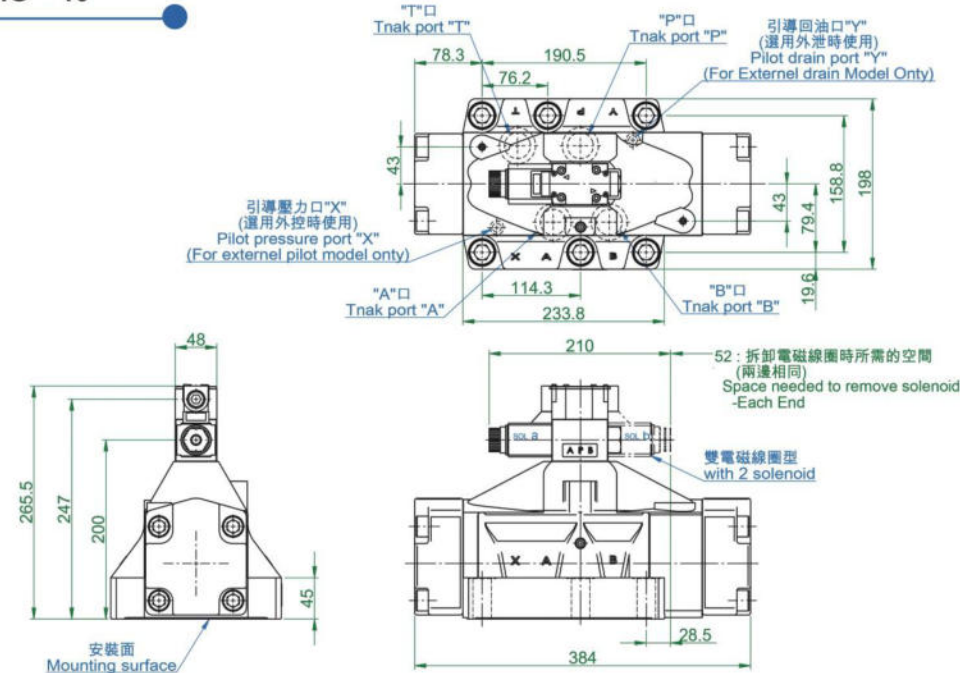


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方向控制閥 Directional Control Valves

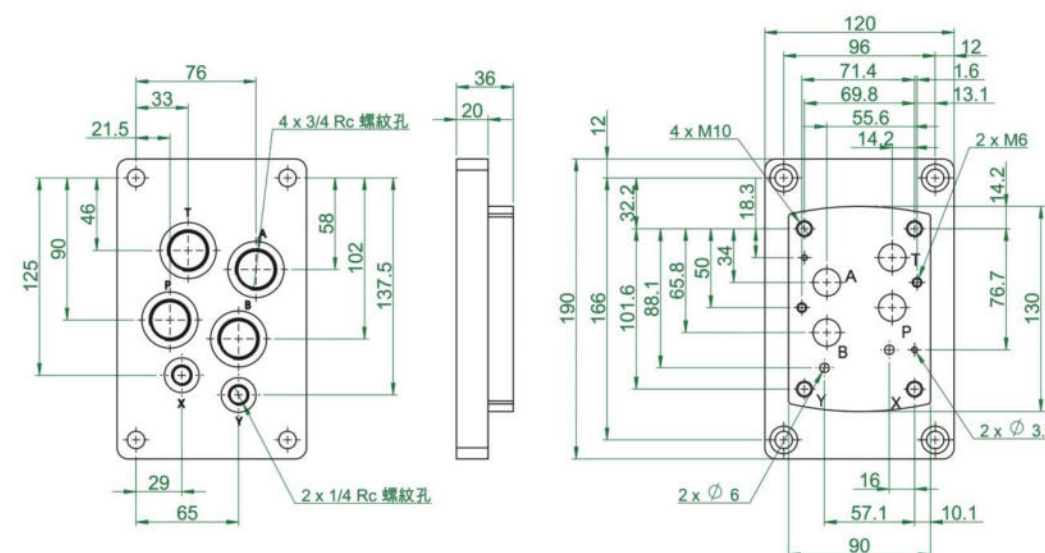
電液換向閥 Solenoid Controlled Operated Directional Valves

DSHG - 10



■ 底板尺寸圖 Bottom plate dimensions :

DSGM - 04



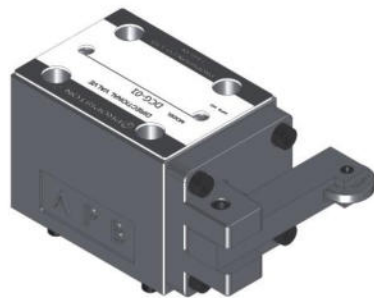


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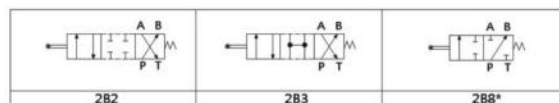
方向控制閥 Directional Control Valves

機動換向閥 Mechanically Operated Directional Valves

DCG - 01, 03 DCT - 01



- 本閥主要用於操縱先導油路，利用凸輪行程來把閥軸壓下，從而切換油路方向。
- Cam Operated Type Directional Valve. These valve are used mainly for controlling a pilot circuit.



型號意義 How to order :

DC G - 03 - 2B2 - R

1 2 3 4 5

1	系列號	Series
2	安裝型式 G : 板式安裝 T : 管式安裝	Mounting G : SUB-Plate connections T : Threaded connections
3	口徑代號	Valve size
4	心軸型號	Spool type
5	輪轉方向 沒標誌：標準 R : 左側 Y : 上側內泄	Roller position None : Normal R : Left Y : Upside

2B8型的回油口需做為油口使用，因此請直接與油箱接連。(容許背壓3.5kgf/cm²)

Valve type "2B8", Tank port "T" functions as a drain port. Directly connect it to the reservoir.

規 格 Specifications :

型 號 Model	口 徑 Valve Size	最大流量 Max. Flow (l/min)	最高工作壓力 Max. Pressure (Kgf/cm ²)	回油口容許背壓 Max. T-Line Back Pres. (Kgf/cm ²)	重 量 Weight (kg)
DCG-01	1/8	30	210	70	1.3
DCT-01					
DCG-03	3/8	100	250	100	3.1

安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
DCG-01	M5 X 45長	4
DCG-03	M6 X 35長	4

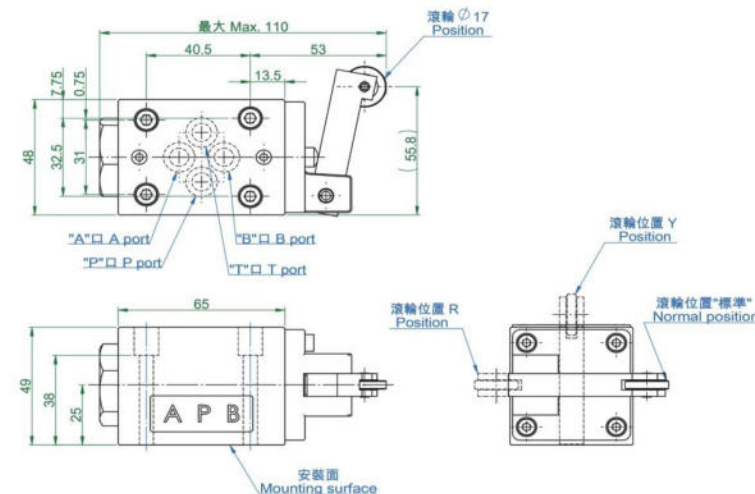


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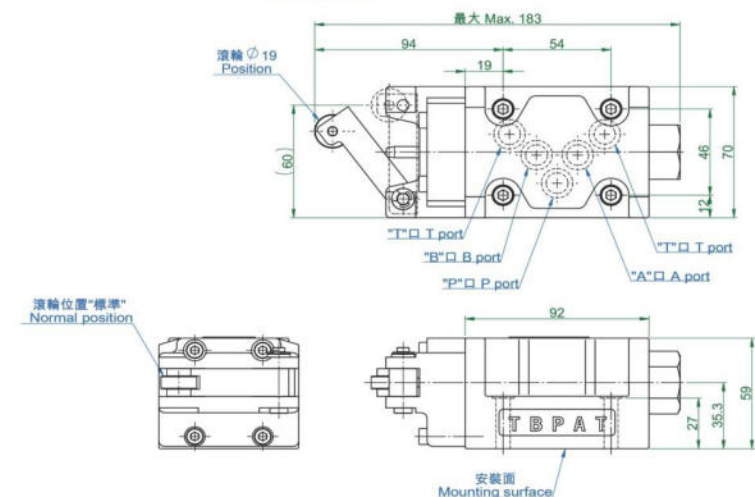
方向控制閥 Directional Control Valves

機動換向閥 Mechanically Operated Directional Valves

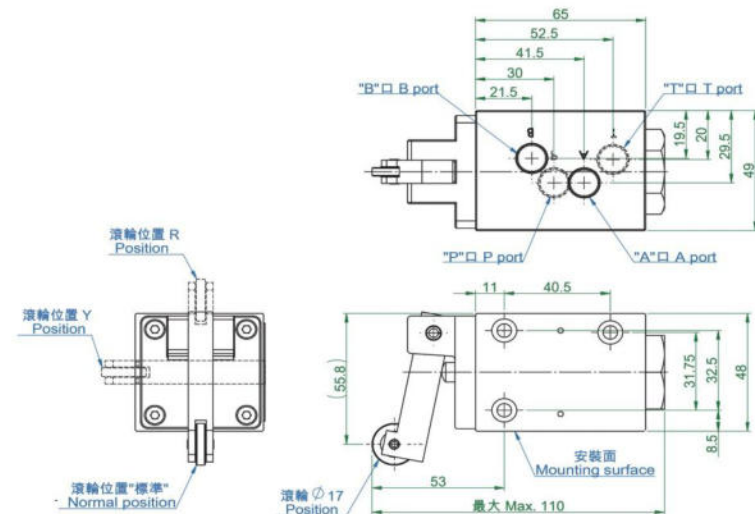
DCG - 01



DCG - 03



DCT - 01



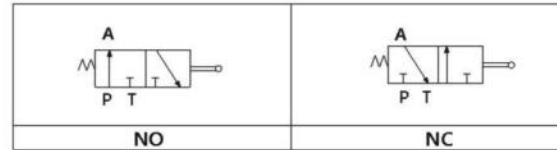


PROPISTON

方向控制閥 Directional Control Valves

機動換向閥 Mechanically Operated Directional Valves

■ MD - 02



■ 型號意義 How to order :

MD - 02 - G - NC

1 2 3 4

1	系列號	Series
2	口徑代號	Valve size
3	安裝型式 G : 板式安裝 T : 管式安裝	Mounting G : SUB-Plate connections T : Threaded connections
4	心軸型號	Spool type

■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	最大流量 Max. Flow (l/min)	最高使用壓力 Max. Pressure (Kg/cm ²)	最大容許背壓 Max. Back Pressure. (Kg/cm ²)	重 量 Weight (kg)
MD-02T	1/4	30	210	70	1.3
MD-02G					

■ 安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
MD-02G	M5 X 45長	4

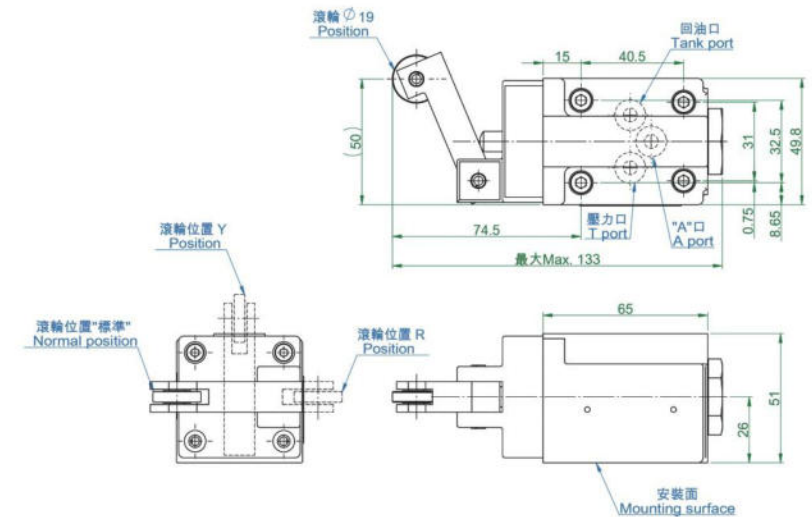


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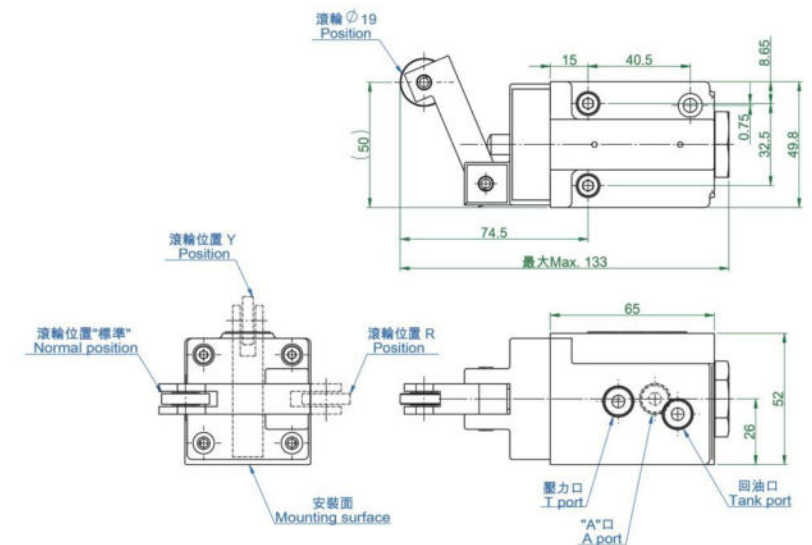
方向控制閥 Directional Control Valves

機動換向閥 Mechanically Operated Directional Valves

MD - 02G



MD - 02T





PROPISTON

方向控制閥 Directional Control Valves

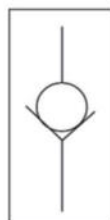
單向閥 Check Valves

■ CRG- 03 , 06 , 10



○ 此閥為一個單向作動閥，透過彈簧力與活塞的定位關係，以達到防止逆流的功用。

○ This is a single directional action valve and employed the spring force & piston positioning for achieving to prevent the fluid flow reversely.



■ 型號意義 How to order :

CR G - 03 - 5

1 2 3 4

1	系列號	Series
2	板式連接	SUB-Plate connections
3	口徑代號	Valve size
4	開啓壓力	Cracking Pressure

■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	開啓壓力 Cracking Pressure (kgf/cm ²)	最大流量 Max. Flow (l/min)	重 量 Weight (kg)
CRG-03	3/8	5 : 0.5kg 30 : 3.5kg	30	1.8
CRG-06	3/4		100	4.3
CRG-10	1-1/4		250	7.8

■ 安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
CRG-03	M10 X 55長	4
CRG-06	M16 X 55長	4
CRG-10	M20 X 85長	4

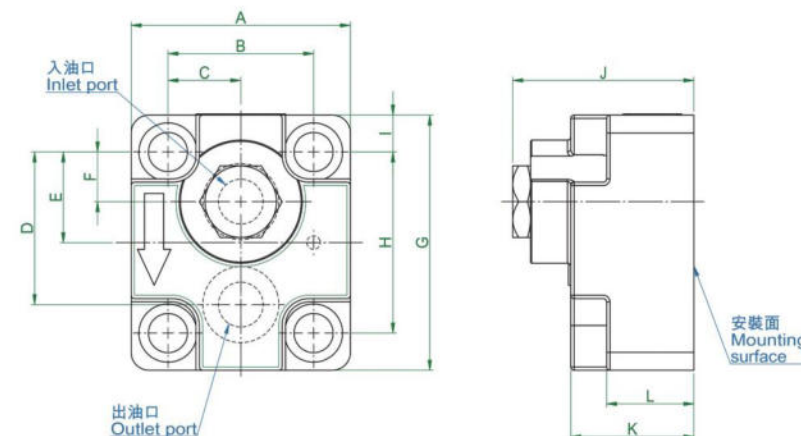


PROPISTON

方向控制閥 Directional Control Valves

單向閥 Check Valves

CRG - 03.06.10



型 號 Model	A	B	C	D	E	F	G	H
CRG-03	70	47.6	23.8	47.6	30.1	12.7	81.5	60.3
CRG-06	98	65.1	32.6	68.2	40.5	22.2	114	80.9
CRG-10	130	92.1	46.1	71.4	46	20.6	130	92.1

型 號 Model	I	J	K	L
CRG-03	10.6	69.5	46	36
CRG-06	16.5	81	55	39
CRG-10	19	100	65	47



PROPISTON

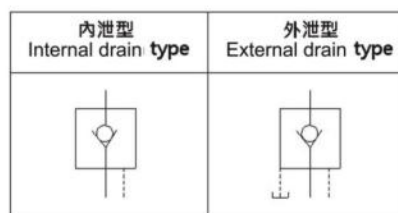
方向控制閥 Directional Control Valves

液控單向閥 Pilot Controlled Check Valves

■ CPG/CPDG- 03 , 06 , 10 CPT/CPDT - 03 , 06 , 10



- 本液控單向閥在入口壓力超過額定的開啓壓力時，允許油流從入口自由地流到出口，而截止油流的反向流動。但利用外控先導壓力操作時，可以反向流動。
- When the inlet pressure exceeds the nominal opening pressure, the Check Valve allows the oil to flow freely from the inlet to the outlet bottom to top, and cut off the reverse flow of oil flow. But when the external control pilot pressure operation is used, it allows the reverse flow of oil flow to start,.



■ 型號意義 How to order :

CPD G - 03 - E - 50

1 2 3 4 5

1	系列號 CP : 單向閥 CPD : 有泄壓閥的單向閥	Series CP : Pilot Controlled Check Valves CPD : Decompression type pilot controlled check valves
2	G : 板式安裝 T : 管式安裝	G : SUB-Plate connections T : Threaded connections
3	口徑代號	Valve size
4	泄油方式 無標記 : 內泄 E : 外泄	Drain Connection No code : Internal drain E : External drain
5	開啓壓力	Cracking Pressure

■ 規 格 Specifications :

型號 Model		口 徑 Valve Size	開啓壓力 Cracking Pressure (kgf/cm ²)	最大流量 Max. Flow (l/min)	重 量 Weight (kg)	
板式 Sub-plate type	板式 Sub-plate type				T	G
CP※G-03	CP※T-03	3/8	20 (2) / 35 (3.5)	50	3.2	4.6
CP※G-06	CP※T-06	3/4	35 (3.5)	125	6.7	7
CP※G-10	CP※T-10	1-1/4	35 (3.5) / 50 (5)	315	2	11.5

■ 安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
CP※G-03	M10 X 55長	4
CP※G-06	M10 X 55長	4
CP※G-10	M10 X 85長	6

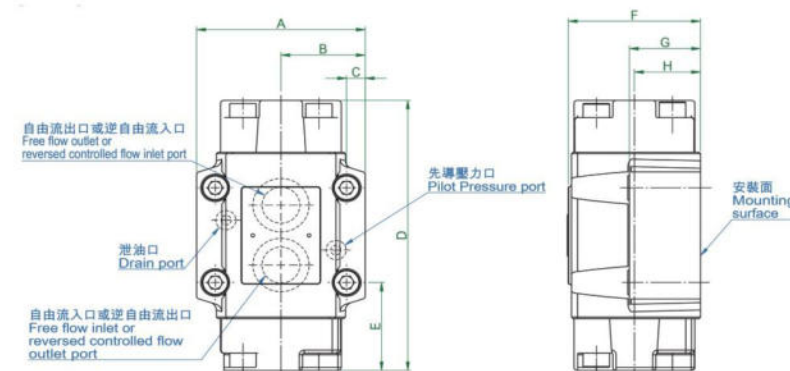


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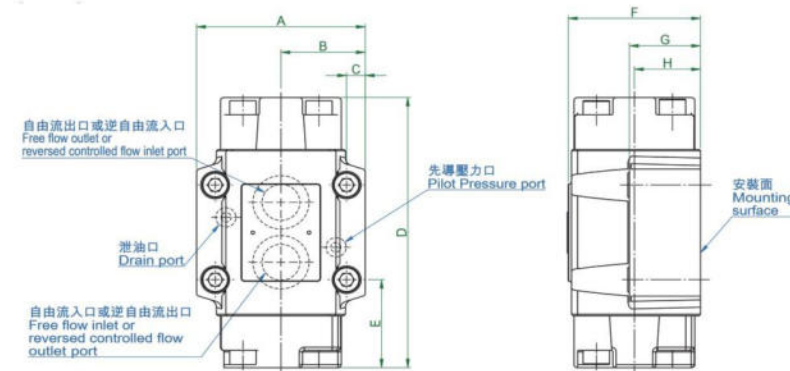
方向控制閥 Directional Control Valves

液控單向閥 Pilot Controlled Check Valves

CPG - 03.06 CPDG

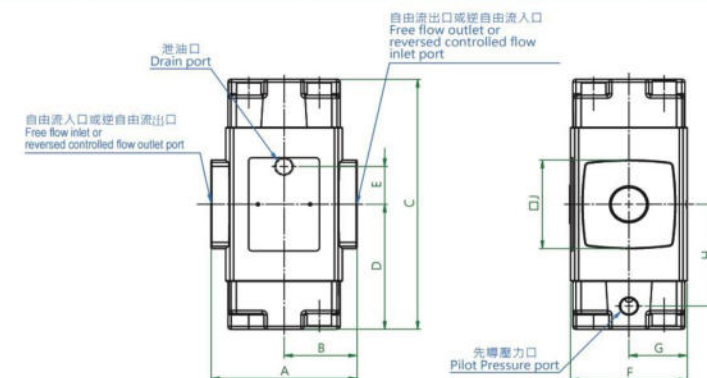


CPG - 10 CPDG



型 號 Model	A	B	C	D	E	F	G	H
CP※G-03	92	46	12.6	148	52.6	68	43	35
CP※G-06	102	51	11.3	172	56	80	43	40

CPT - 03.06.10 CPDT



型 號 Model	A	B	C	D	E	F	G	H	J
CP※G-03	80	40	148	74	21	61	30.5	58	36
CP※G-06	95.2	47.6	172	86	26	76	38	70	60
CP※G-10	140	70	208	104	35	94	46.5	84	79

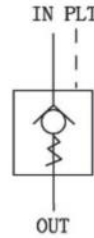


PROPISTON

方向控制閥 Directional Control Valves

方向滿油閥 Surge Valves

PF - 80 , 90, 100, 125, 150 (PDF)



- PF系列滿油閥之特性是，體積小，通過流量大，不洩漏。但是開關前需先洩壓才可開啓。強力型視迴路設計需要而選用之。
- PF系列滿油閥之功用是，作為液壓缸與油箱之間的排油閥用途。
- The feature of pre-fill valve PF series is compact construction available for large flow, no leaking. It must leak the pressure before turning on. The function of pre-fill valve PF series is a drain valve between hydraulic cylinder and tank.

型號意義 How to order :

PF - 90 - FT

1 2 3

1	系列號	Series (PF & PDF)
2	口徑代號	Valve size
3	法蘭種類 T口附法蘭(標準)	Type of pipe flange With flange on port T (Standard)

規格 Specifications :

型號 Model	口徑 Valve Size	開啓壓力 Cracking Pressure (kgf/cm ²)	最大流量 Max. Flow (l/min)	重量 Weight (kg)
PF-80	3"	0.12	400	11.5
PF-90	3-1/2"	0.12	630	13.9
PF-100	4"	0.12	1000	18.3
PF-125	5"	0.12	1600	30
PF-150	6"	0.12	2500	37

註1：開啓本閥前務必須先洩壓，否則無法開啓(先導壓力須為P口壓力的4.5倍以上)。

註2：表內最大流量時，壓力下降值約0.3 kgf/cm²。

註3：PDF為兩段壓開啓，詳情請洽大正。

Remark 1 : To start this valve which must made pressure relieved before, otherwise, that will not started (The pilot pressure must be over than 4.5 multiple of P port).

Remark 2 : The max. flow in the listed table which pressure drop value about 0.3 kgf/cm².

Remark 3 : PDF for the two open. Please contact with our sales engineers for your requirement.



PROPISTON

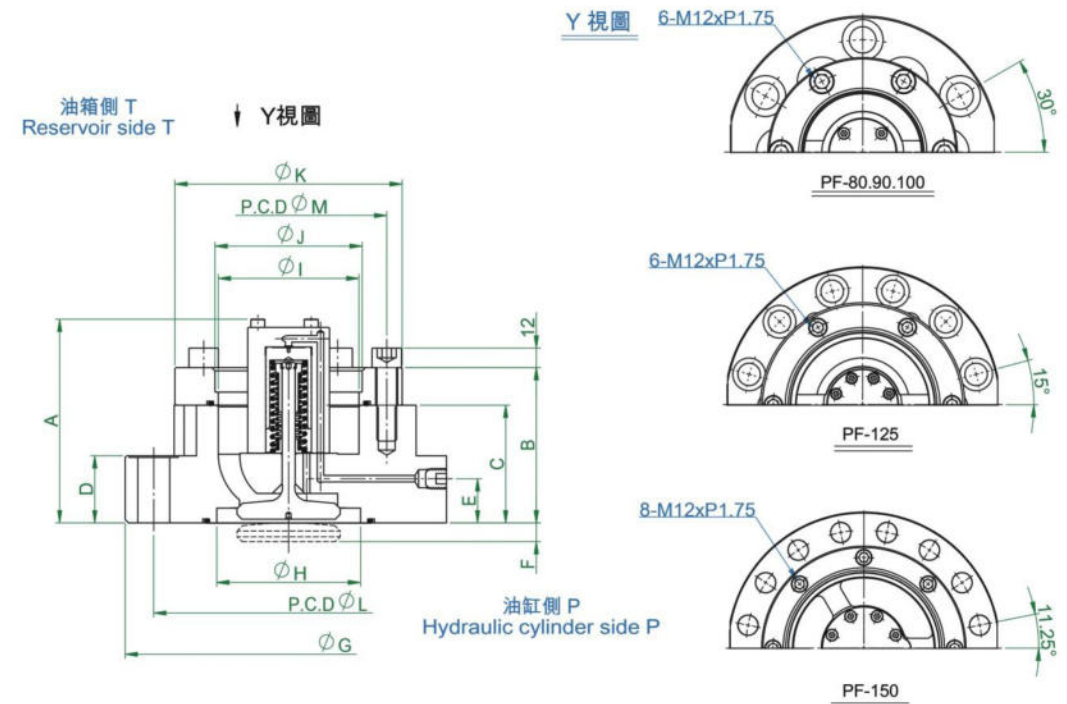
方向控制閥 Directional Control Valves

方向滿油閥 Surge Valves

安裝螺絲 (附件) Attachment :

型號 Model	內六角螺絲 Mounting bolts	數量 Q
PF-80	M16X 55 長	6
PF-90	M18X 60 長	6
PF-100	M20X 70 長	6
PF-125	M20X 80 長	12
PF-150	M20X 95 長	16

PF - 80.90.100.125.150



型號 Model	A	B	C	D	E	F	G	H	I	J	K	L	M
PF-80	97	88	65	34	21.5	10	180	71	86	90	139	146	120
PF-90	124.6	95	72	41	27	13	200	88	86	90	139	165	120
PF-100	132.6	97.5	74	45	32	18	230	106	105	115	165	191	145.5
PF-125	159.6	105	85	52	43	23.5	270	130	130	141.5	200	230	175
PF-150	204	128	105	64	45	25	300	168	155	167	225	260	200

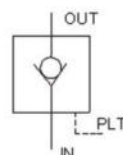


PROPISTON

方向控制閥 Directional Control Valves

方向滿油閥 Surge Valves

■ SG - 16 , 24



- 滿油閥之功用是，作為液壓缸與油箱之間的閥用途。
- 在大型壓力機構的快進行程需從油箱向油缸吸油。在加壓時可防止油從油缸流入油箱。反向時油缸則會將油排至油箱內。
- To drain oil between cylinder and tank is a function of prefill valves.
- During operation in a large pressure mechanism, it needs to suck oil from tank to hydraulic cylinder. While pressurizing, it prevents the oil flowing from hydraulic cylinder to tank. When reversion, hydraulic cylinder will make oil draining to tank.

■ 型號意義 How to order :

SG - 16 - 180° - R

1 2 3 4

1	系列號	Series
2	閥規格	Valve size
3	180°型 / 90°型	Inline type / Angle type
4	油口方向 R : 從回油口側，看壓力口在右 L : 從回油口側，看壓力口在左	Port direction Pressure port at right side form tank port Pressure port at left side form tank port

回油口與壓力口為180度。return-oil inlet t and pressure inlet is 180 degrees.

■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Operating pressure (kgf/cm ²)	最大流量 Max. Flow (l/min)	使用流量 Operating flow (l/min)	開啓壓力 Cracking Pressure (kgf/cm ²)	重 量 Weight (kg)
SG-16	2"	250	400	400±100M	0.12	32
SG-24	3"		900	900±100M	0.14	48

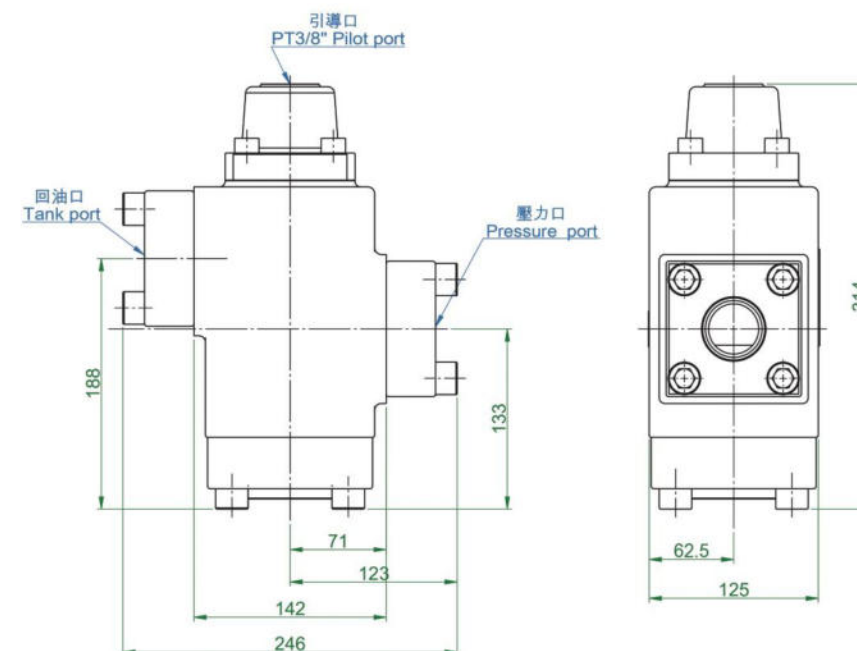


PROPISTON

方向控制閥 Directional Control Valves

方向滿油閥 Surge Valves

SG - 16 - 180°

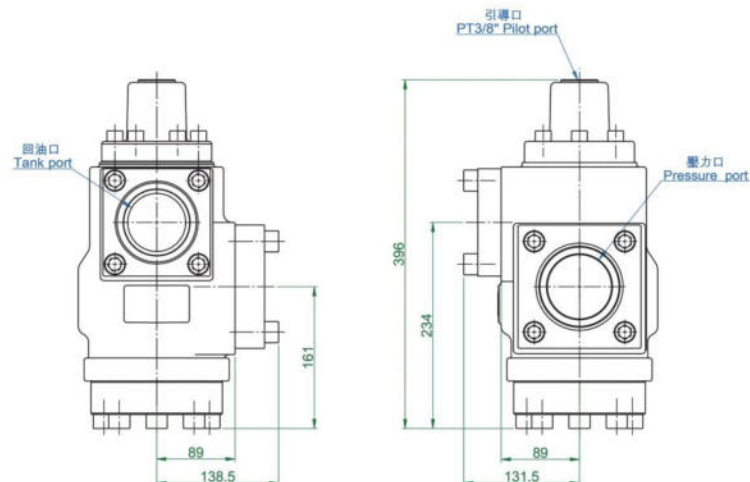




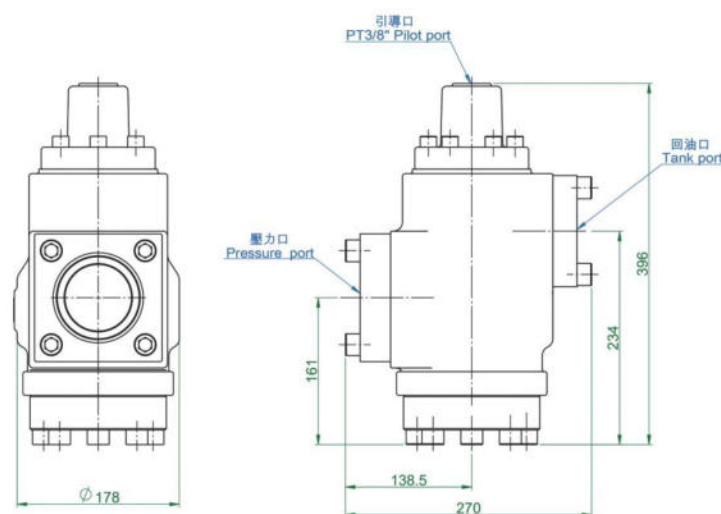
方向控制閥 Directional Control Valves

方向滿油閥 Surge Valves

SG - 24 - 90°R



SG - 24 - 180°



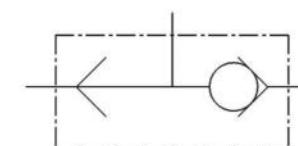
方向控制閥 Directional Control Valves

梭動閥 Shutter Valves

■ SCTF-02



- 梭動閥是一個邏輯元件，當兩個單向閥組裝在一起共用一個閥芯時，就構成一種特殊的單向閥，稱作交替單向閥或梭動閥，梭動閥有二個入口，一個出口，只要有一個入口提供液壓進入，梭動閥的出口就會排出液體。
- Shuttle valve is a logic element, when the two one-way valves are assembled in shared a spool, a special kind of one-way valve is formed, called alternating one-way valve and the shuttle valve, shuttle valve has two entrances and one exit, as long as there is a portal is provided to the liquid to enter and shuttle valve outlet will be discharged liquid.



■ 型號意義 How to order :

SCTF - 02

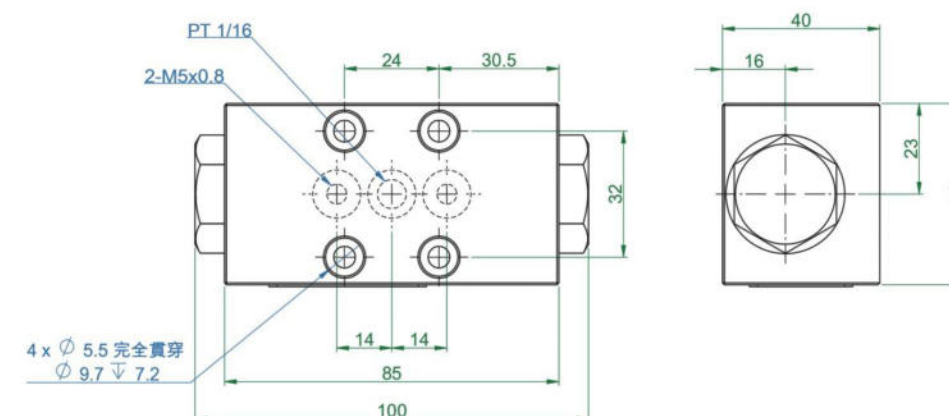
1 2

1	系列號	Series
2	口徑代號	Valve size 02 : 1 / 4 "

■ 安裝螺絲 (附 件) Attachment :

型 號 Model	重 量 Weight (Kg)	安裝螺絲 Mounting bolts	數 量 Q
SCTF-02	1.1	M5X 40長	4

SCTF - 02

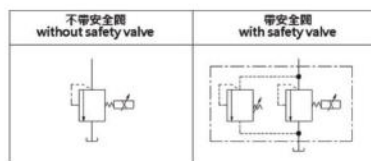




PROPISTON

電液比例控制閥 Proportional Electro-Hydraulic Control Valves

■ EDG - 01※



○ 這種閥是由小型直流電磁鐵與直動式溢流閥組成的，它可做為小流量液壓系統的電液比例控制先導閥，根據輸入電流成比例調節壓力。這種閥應和配套的功率放大器一起使用。

○ This valve consists of a small DC solenoid and direct-acting relief valves. It serves as a pilot valve for a low flow rate hydraulic system or a proportional electro-hydraulic control valve and controls the pressure in proportion to the input current. Note that this valve is used in conjunction with the applicable power amplifier.

■ 型號意義 How to order :

EDG - 01 - V - B - 1 - PN - T13 - 60T
1 2 3 4 5 6 7 8

1	系列號 (板式接連)	Series(SUB-Plate connections)
2	口徑代號	Valve size : 01 : 1/8"
3	用途 無標記：無要求不標註 V：溢流閥遙控用	Applicable control None : Omit if not required V : Vent control of relief valve
4	比例先導溢流閥壓力調整範圍	Pres. adj. range kgf/cm ² B : 5—50 H : 12—250 C : 10—160
5	安全閥 無標誌：帶安全閥 1：不帶安全閥	Safety valve None : With safety valve 1 : Without safety valve
6	P口節流 PN：無節流	P-line orifice PN : without orifice
7	T口節流 T15，T13，T11	T-line orifice T15，T13，T11
8	設計代號	Design Number



PROPISTON

電液比例控制閥 Proportional Electro-Hydraulic Control Valves

■ 規 格 Specifications :

名稱 Description	型號 Model number	
最高工作壓力 Max. operating pressure	MPa	25
最大流量 Max. flow	ℓ /min	2
壓力調節範圍 Pressure adjustment range	kgf / cm ²	見型號說明 Refer to How to order
額定電流 Rated current	mA	B : 800 H : 950 C : 900
線圈電阻 Coil resistance (20°C)	Ω	10
磁滯誤差 Hysteresis		小於 Less than 3 %
重複性 Repeatability		1 %
質量 Approx. mass	kg	25 (2.3)

*1 帶安全閥型。

*1 With safety valve.

■ 安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
EDG-03	M5 X 45長	4

■ 底板 Sub-Plate :

閥的型號 Sub-plate model No.	接管管徑 Piping size Rc	質 量 kg
DSGM-01	1/4"	0.8

* 用底板時，請按上表確定底板型號。不用底板時，則安裝面需經機械精加工。

* 底板與DSG-01系列電磁換向閥通用，尺寸請參見p64頁。

Sub-plates are available. When ordering please specify sub-plate model no. from the table above.

When sub-plate are not used, the mounting surface should have a good mechanic finish.

Sub-plate is the same as DSG-01 series solenoid operated directional valve.

Please refer to page64 for dimension details.



PROPISTON

電液比例控制閥 Proportional Electro-Hydraulic Control Valves

■ 使用注意事項 Instructions

○ 回油管背壓

回油管背壓不大於 2.0 kgf/cm^2 { 0.2 MPa }

○ 遙控控制

當將此閥用作溢流閥等的遙控控制時，要用內徑6mm，長300mm或更短的配管作為連接管。如果出現壓力不穩定的情況，用一個直徑1-1.5mm的孔口接入溢流閥的遙控口。

○ 回路壓力控制

當使用此閥直接控制回路的壓力時，應保證負荷容量(密封的油液體積)大於 40 cm^3 。

○ 最小流量

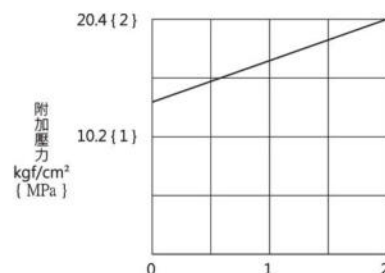
為防止預先設定的壓力會變得不穩定，流量應不小於 0.3 L/min 。

○ 安全閥的設定壓力

在最大流量下，安全閥壓力的設定要比壓力調節範圍的上限高 20.4 kgf/cm^2 { 2 MPa }。

如果工作壓力的上限較低，或使用不同的流量上限，應按下列計算安全閥的壓力設定值後進行調節。

壓力設定值 = (工作壓力上限) + (右圖所示附加壓力)



○ Tank-Line back pressure

Check that the tank line pressure does not exceed 0.2 MPa (2.0 kgf/cm^2)

○ Vent Control

When this valve is used as a relief valve or for other valve vent control purposes, use 6 mm ID, 300mm long or shorter pipes for piping connections, If pressure instability is encountered, provided a 1-1.5mm diameter orifice for the relief or other valve vent port.

○ Circuit Pressure Control

When circuit pressure is directly controlled by this valve, make sure that the trapped oil volume is exceeding 40 cm^3 .

○ Low Flow Rates

The preset pressure may become unstable. To avoid such pressure instability, the flow rate should not be lower than 0.3 L/min .

○ Safety Valve Pressure Setting

The safety valve pressure setting at the maximum flow rate is preset to a level that is 2 MPa (20.4 kgf/cm^2) higher than the pressure adjustment range upper limit. If the operating pressure upper limit is low or a different flow rate upper limit is used, make adjustment after calculating the safety valve pressure setting from the following equation; Pressure setting = (Operating pressure upper limit) + (Additional pressure indicated right)

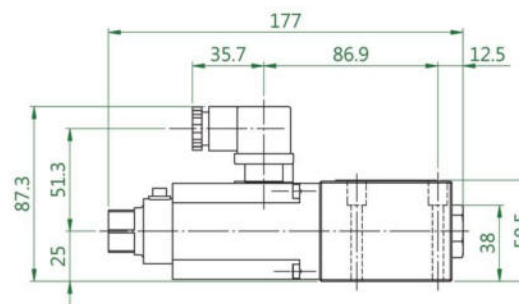
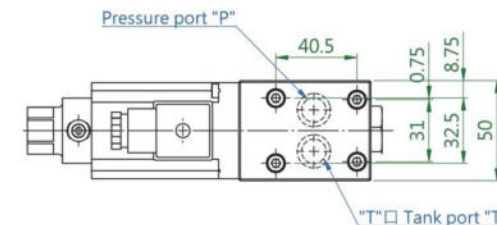
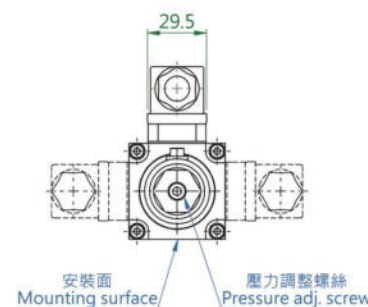


PROPISTON

電液比例控制閥 Proportional Electro-Hydraulic Control Valves

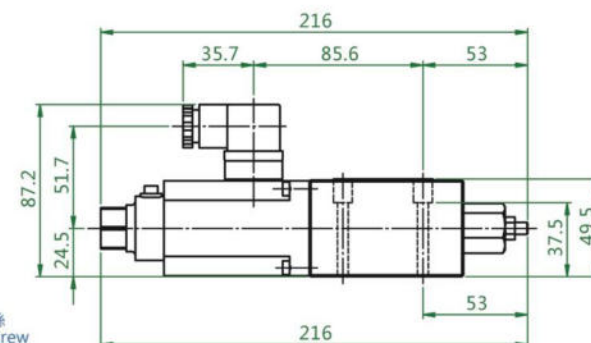
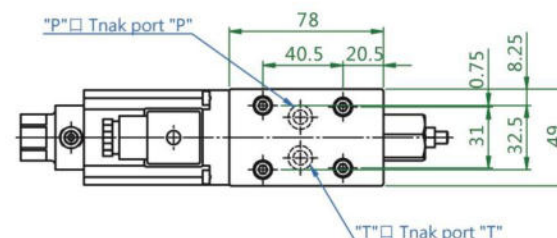
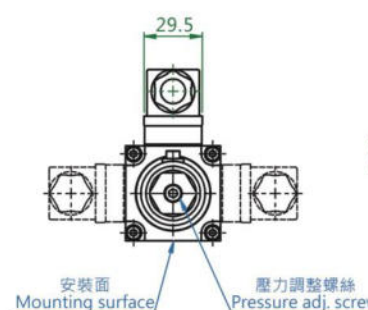
EDG-01 不帶安全閥 Without safety valve

接線可在其它3個位置安裝
Selectable in other 2 angle position



EDG-01V 帶安全閥 With safety valve

接線可在其它3個位置安裝
Selectable in other 2 angle position

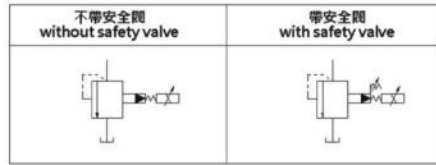




PROPISTON

電液比例控制閥 Proportional Electro-Hydraulic Control Valves

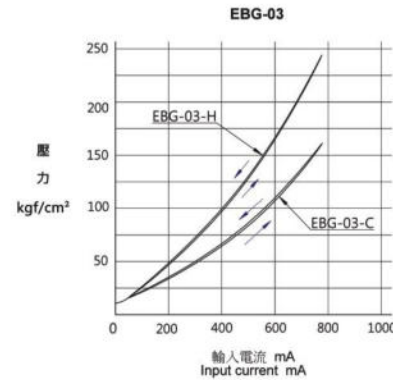
EBG - 03 , 06 , 10



● 本閥由電液比例先導溢流閥和特定為低噪音研製的主閥組成。由於採用特殊緩衝機構，能使壓力的控制更加精密和穩定。

● This valve is combined with a proportional electro-hydraulic pilot relief valve and a specially developed low-noise relief valve. Owing to special vent restrictor, this valve can make pressure control more precise and stable.

輸入電流-壓力特性(例)
Input current vs pressure(Ex):



型號意義 How to order :

EBG - 03 - C - T - 60T
1 2 3 4 5

1	系列號(板式接連)	Series(SUB-Plate connections)
2	口徑代號	Valve size : 03 : 3/8" 06 : 3/4" 10 : 1-1/4"
3	壓力調節範圍	Pres. adj. range kgf/cm ²
	EBG-03型	C : 6—160 kgf / cm ² H : 6—245 kgf / cm ²
	EBG-06 型	C : 9—160 kgf / cm ² H : 9—245 kgf / cm ²
	EBG-10 型	C : 11—160 kgf / cm ² H : 11—245 kgf / cm ²
4	安全閥 無標誌：帶安全閥 T：不帶安全閥	Safety valve None : With safety valve T : Without safety valve
5	設計代號	Design Number

* 另有EBG-03-B(5-50KG型). 詳情請諮詢大正公司。Our company also have EBG-03-B(5-50KG Type). Please contact Propiston Co for further information.



PROPISTON

電液比例控制閥 Proportional Electro-Hydraulic Control Valves

規 格 Specifications :

參數 Description	型號 Model number	EBG-03	EBG-06	EBG-10
最大流量 Max. flow	ℓ / min	100	200	400
最小流量 Min. flow	ℓ / min	3	3	3
壓力調節範圍 Pressure adjustment range	kgf / cm ²	見型號說明 Refer to How to order		
額定電流 Rated current	mA	C : 770 H : 820	C : 750 H : 800	C : 730 H : 780
線圈電阻 Coil resistance (20°C)	Ω	10		
磁滯 Hysteresis		小於 Less than 2 % *1		
重複精度 Repeatability		小於 Less than 1 % *2		
頻率特性(於-90°) Frequency response (st-90°)		12Hz	13Hz	14Hz
匹配放大器型號 Hysteresis		參考 P-DC (Refer to P-DC)		
質量 Repeatability	kg	6.8	7.8	12

*1 表中的數值取自使用大正放大器所得的效果。

*2 表中的數值取自閥單體在同一使用條件下所得的效果。

*1 The figures in the table above are those obtained when used in conjunction with PROPISTON power amplifier.

*2 The repeatability of the valve is obtained by having it tested independently on the conditions similar to its original testing.

安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
EBG-03	M12 X 35長	4
EBG-06	M16 X 45長	4
EBG-10	M20 X 60長	4

型 號 Model	A	B	C	D	E	F	G	H
EBG-03-※	216	115.9	53.8	38.5	76	53.8	26.9	11.1
EBG-06-※	216	125.3	66.7	47.9	99	70	35	14.5
EBG-03-※-T	204.5	117.6	53.8	40.2	76	53.8	26.9	11.1
EBG-06-※-T	205.2	125.3	66.7	42.2	99	70	35	14.5

型 號 Model	I	J	K	L	M
EBG-03-※	21.5	129.3	192	107	27.1
EBG-06-※	28.8	130	129.7	123.2	37.5
EBG-03-※-T	21.5	153	215.7	107	27.1
EBG-06-※-T	28.8	153.2	215.9	123.2	37.5

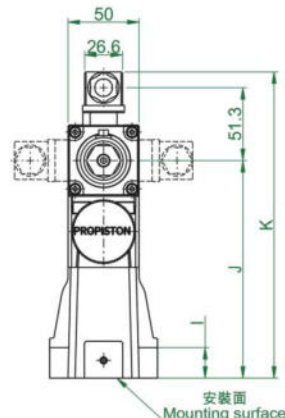


PROPISTON

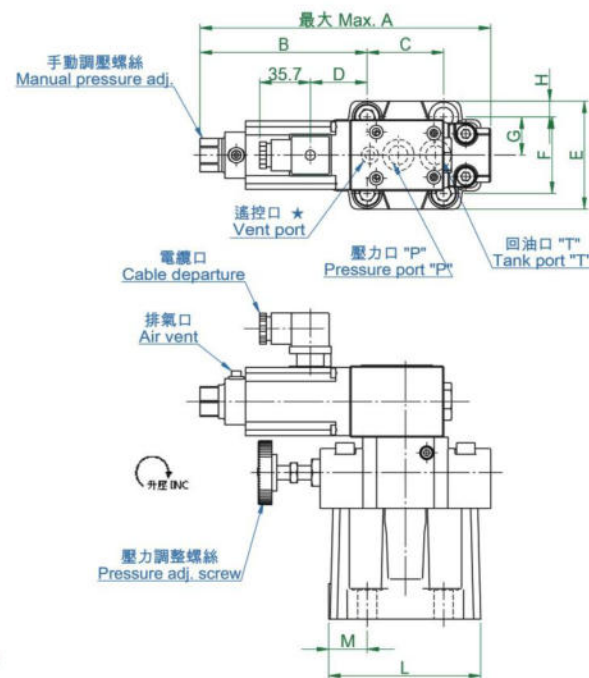
電液比例控制閥 Proportional Electro-Hydraulic Control Valves

EBG-03 / 06-60T
不帶安全閥
Without safety valve

插頭可在3個90°位置任意安裝
The direction can be altered to every 90 degree angles.

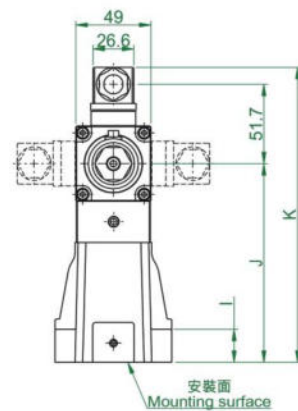


★此油口是閥體與低噪音溢流閥通用而加工，不使用。
Port connections is not used for EBG models.

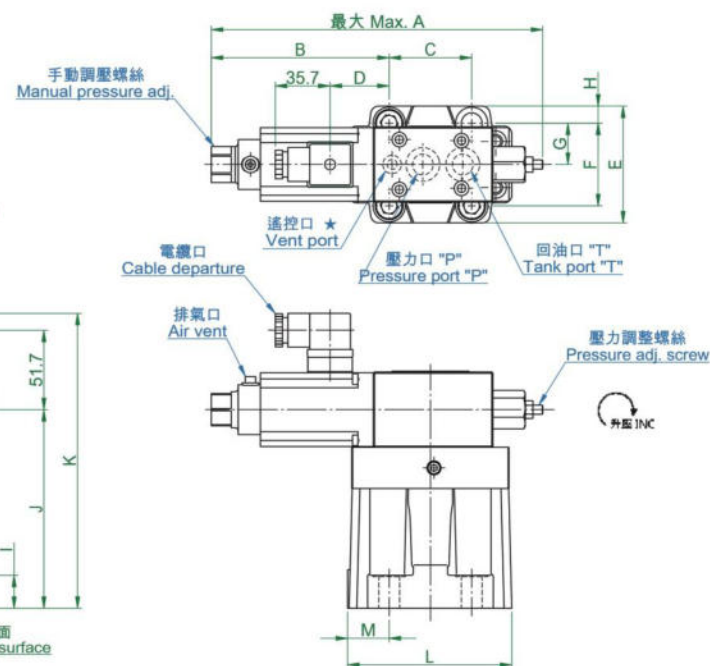


EBG-03 / 06-T-60T
帶安全閥
With safety valve

插頭可在3個90°位置任意安裝
The direction can be altered to every 90 degree angles.



★此油口是閥體與低噪音溢流閥通用而加工，不使用。
Port connections is not used for EBG models.

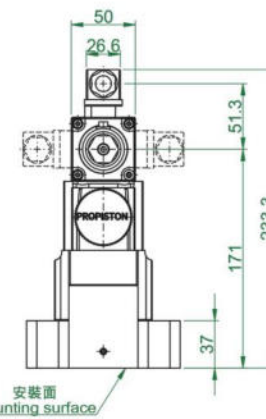


PROPISTON

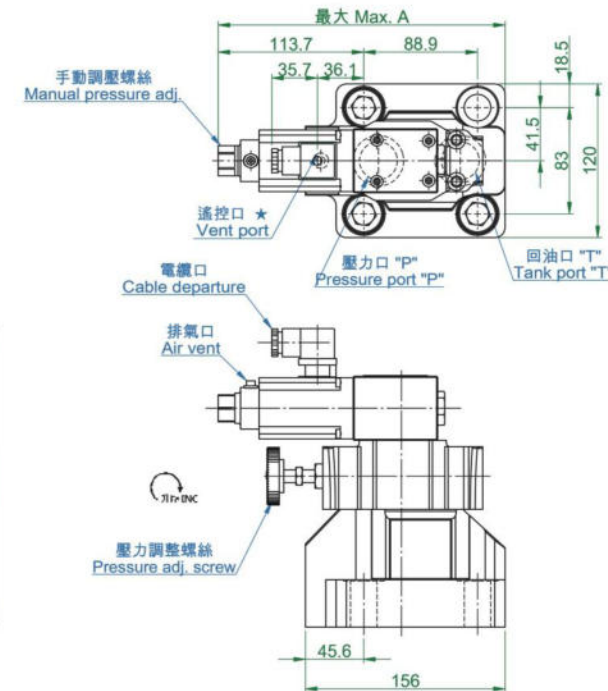
電液比例控制閥 Proportional Electro-Hydraulic Control Valves

EBG-10-60T
不帶安全閥
Without safety valve

插頭可在3個90°位置任意安裝
The direction can be altered to every 90 degree angles.

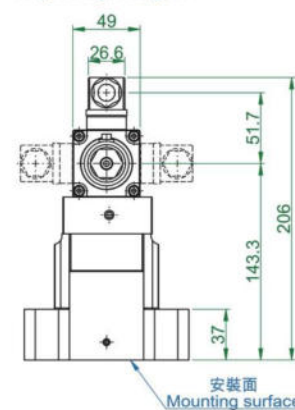


★此油口是閥體與低噪音溢流閥通用而加工，不使用。
Port connections is not used for EBG models.

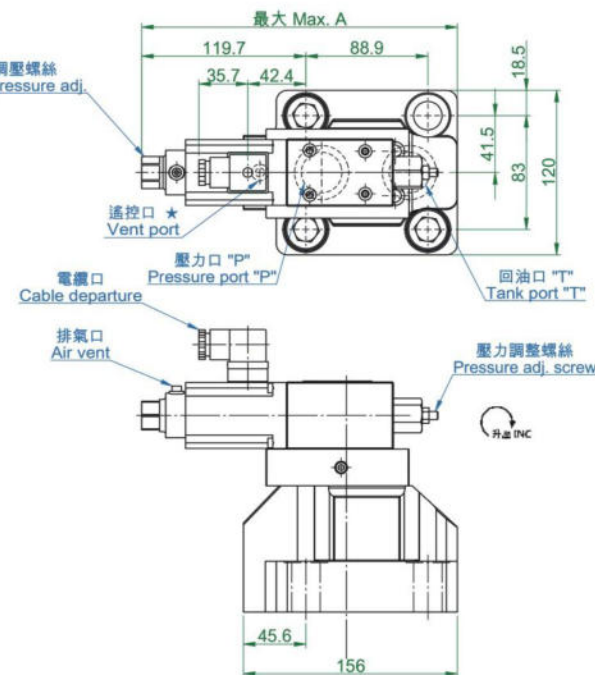


EBG-10-T-60T
帶安全閥
With safety valve

插頭可在3個90°位置任意安裝
The direction can be altered to every 90 degree angles.



★此油口是閥體與低噪音溢流閥通用而加工，不使用。
Port connections is not used for EBG models.





PROPISTON

電液比例控制閥 Proportional Electro-Hydraulic Control Valves

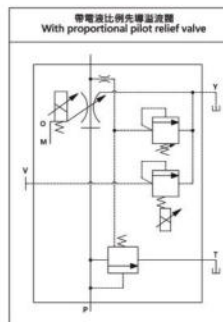
節能閥 Power Saving Valve

■ EFBG - 03 , 06



○ 這種溢流調速閥是一種節能型閥，它可為執行元件的工作提供必需的最小壓力和流量。由於此閥能根據負載壓力，並使壓差保持最小來控制泵的壓力，所以，是一種低能耗、節能、進油路節流式調速閥。此外，這種閥具有溫度補償功能，能使控制流量穩定而不受油液溫度的影響。

○ This relief and flow control valve is an energy-saving valve that supplies the minimum pressure and flow necessary for actuator drive. Since this valve controls the pump pressure by following the load pressure while keeping the differential pressure minimized, it serves as a low power-consumption, energy-saving, meter-in, controlled flow adjustment valve. Further, since a temperature compensation function is incorporated, this valve provides consistent flow control without regard to the fluid temperature.



■ 型號意義 How to order :

EFBG - 03 - 125 - C - 60T

1 2 3 4 5

1	系列號(板式接連)	Series(SUB-Plate connections)
2	口徑代號	Valve size : 03 , 06
3	最大調節流量	Max. Metered flow
4	比例先導溢流閥壓力調整範圍	Proportional pilot relief valve pressure adjustment range.
5	設計代號	Design Number

■ 匹配放大器 Applicable power amplifiers :

型 號 Model	放大器型號 Power amplifiers model No	
	用於壓力控制 For flow control	用於流量控制 For pres. control
EFBG -※ - ※ -	PF - DC	



PROPISTON

電液比例控制閥 Proportional Electro-Hydraulic Control Valves

節能閥 Power Saving Valve

■ 規 格 Specifications :

型號 Model number			EFBG-03	EFBG-06
參數 Description				
最大流量	Max. flow	ℓ /min	125	250
流量調節範圍	Metered flow adjustment range	ℓ /min	1~125	2.5~250
流量控制系 Flow controls	閥差壓	Differential pressure	6	7
	遲滯	Hysteresis	小於7 % *1	小於7 % *1
	重複精度	Repeatability	1 % *2	1 % *2
	額定電流	Rated current mA	600	600
	線圈電阻	Coil resistance (20°C)Ω	43.5	43.5
壓力控制系 Pressure controls *3	壓力調節範圍	Pressure Adj. Range kgf / cm ²	C : 14~140 H : 14~210	C : 15~140 H : 15~210
	遲滯	Hysteresis	小於3 % *1	小於3 % *1
	重複精度	Repeatability	1 % *2	1 % *2
	額定電流	Rated current mA	C : 800 H : 900	C : 800 H : 900
	線圈電阻	Coil resistance (20°C)Ω	10	10
	重量	Mass kg	17.2	31.5

*1 表中的數值取自使用大正放大器所得的結果。

*2 表中數值取自閥單體在同一使用條件下所得的結果。

*3 僅適用於帶電液比例式先導溢流閥型 (EFBG-※-※-C,H)

*4 另備有60 l / min及160 l / min規格，如有需要請與營業人員聯絡。(EFBG-03)

*1 The figures in the table above are those obtained when used in conjunction with PROPISTON power amplifier.

*2 The repeatability of the valve is obtained by having it tested independently on the conditions similar to its original testing.

*3 the ratings for pressure controls is applied to models with proportional pilot relief valve. (EFBG-※-※-C,H)

*4 The other with 60 l / min and 160 l / min specifications, if necessary, please contact the sales staff. (EFBG-03)

■ 安裝螺絲 (附 件) Attachment :

型 號 Model	安裝螺絲 Mounting bolts	數 量 Q
EFBG-03	M10 X 95長	4
EFBG-06	M16 X 130長	4



節能閥 Power Saving Valve

EFBG-03

流量 Flow Rate
L/min

輸入電流 mA
Input current mA

EFBG-03-125-H

EFBG-03

壓力 Pressure
kgf/cm²

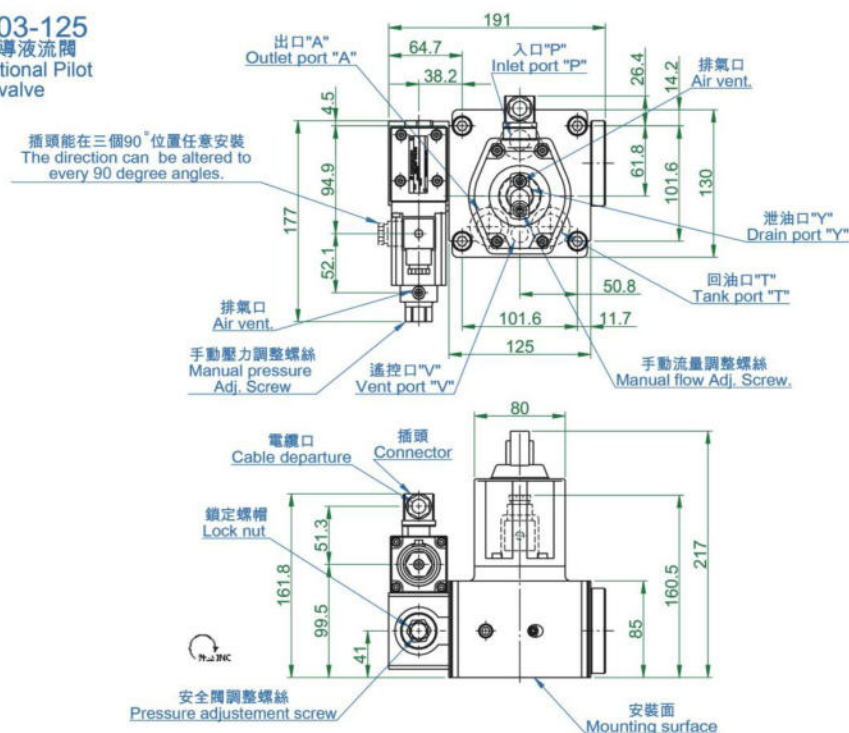
輸入電流 mA
Input current mA

EFBG-03-125-H

EFBG-03-125-C

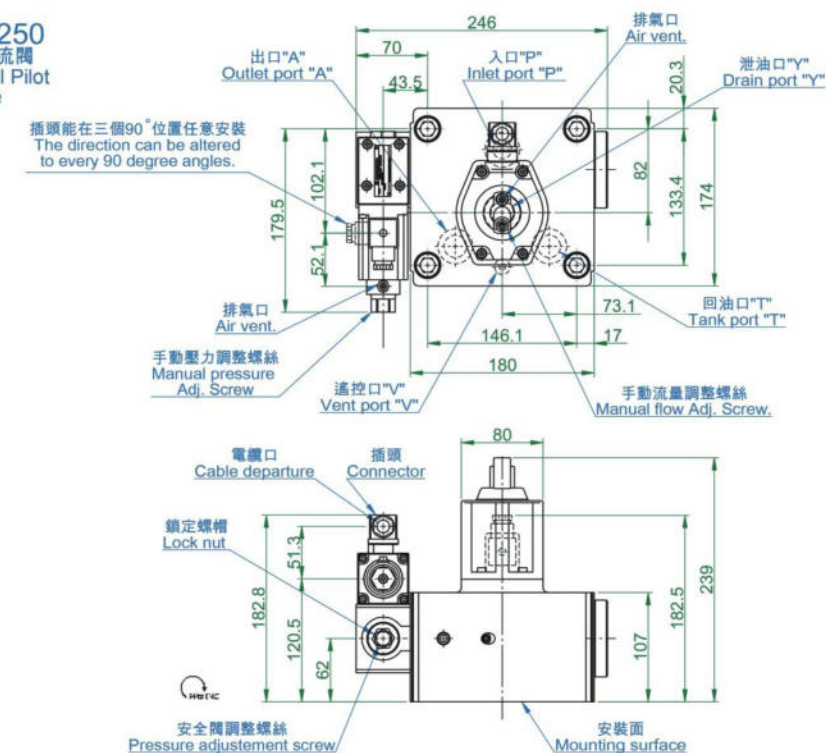
Remark : EFBG-06 Please contact PROPISTON

帶比例先導液流閥
With proportional Pilot
relief valve



節能閥 Power Saving Valve

帶比例先導液流閥
With proportional Pilot
relief valve



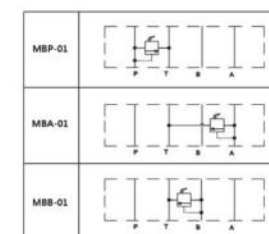
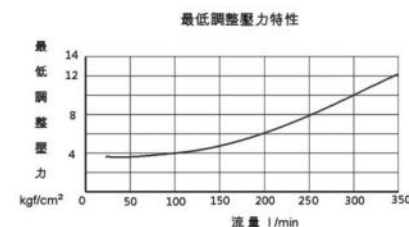
■ 疊加閥液壓符號及安裝回路圖 Type of modular valve

油壓符號 Hydraulic Symbol	名稱及型式 Name and Type	油壓符號 Hydraulic Symbol	名稱及型式 Name and Type
	電磁換向閥 DSG-※-※ Solenoid Operated Directional Valves		MSA - 01, 03, 06
	疊加式溢流閥 Relief Modular Valves		MSB - 01, 03, 06
			MSW - 01, 03, 06
	疊加式減壓閥 Pressure Reducing Modular Valves		MCP - 01, 03
			MCT - 01, 03
			MCA - 01, 03
	疊加式減壓閥 Pressure Reducing Modular Valves		MCB - 01, 03
			MCW - 01
	疊加式抗衡閥 Counterbalance Modular Valves		MPA - 01, 03
			MPB - 01, 03
	疊加式單向節流閥 (Check And) Throttle Modular Valves		MPW - 01, 03

■ MB※-01



- 先導型壓力調節設計。
- 不須管道連接，減少漏油機會及配管成本。
- 洩漏小、低震動、低噪音、易保養。閥體緊湊結合，減少系統要求空間。
- This modular relief valve provides maximum pressure control for a hydraulic circuit.



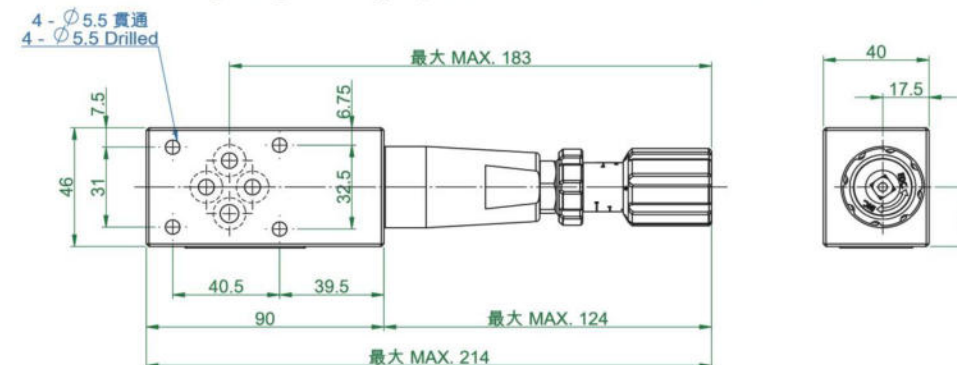
■ 型號意義 How to order : MB P - 01 - H
1 2 3 4

1	系列號	Series
2	功能動作孔	Action form P : P Port A : A Port B : B Port
3	口徑代號	Valve size
4	壓力調節範圍	Pres. adj. range

■ 規格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Pressure kgf/cm ²	壓力調整範圍 Pressure Adj. Range kgf/cm ²	最大流量 Max. Flow (l/min)	重 量 Weight (kg)
MBP-01	1/8"	250	B : ★ ~70	40	1.5
MBA-01			C : 7 ~160		
MBB-01			H : 35~250		

- * 1. 請參照最低調整壓力特性表。Please reference to the lowest pressure adjustment characteristics list.
- * 2. 另有無把手型，請洽詢大正公司。
- There is also sale no regulating handle type, please contact the PROPISTON co., .





PROPISTON

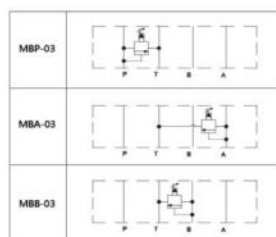
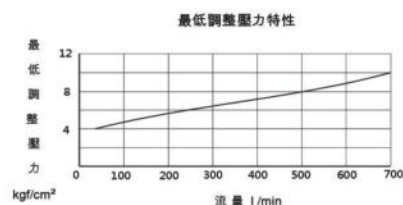
疊加閥 Modular Valves

疊加式溢流閥MBP-03系列 Relief Modular Valves

■ MB※-03



- 先導型壓力調節設計。
- 不須管道連接，減少漏油機會及配管成本。
- 洩漏小、低震動、低噪音、易保養。閥體緊湊結合，減少系統要求空間。
- This modular relief valve provides maximum pressure control for a hydraulic circuit.



■ 型號意義 How to order : MB P - 03 - H

1	系列號	Series
2	功能動作孔	Action form P : P Port A : A Port B : B Port
3	口徑代號	Valve size
4	壓力調節範圍	Pres. adj. range

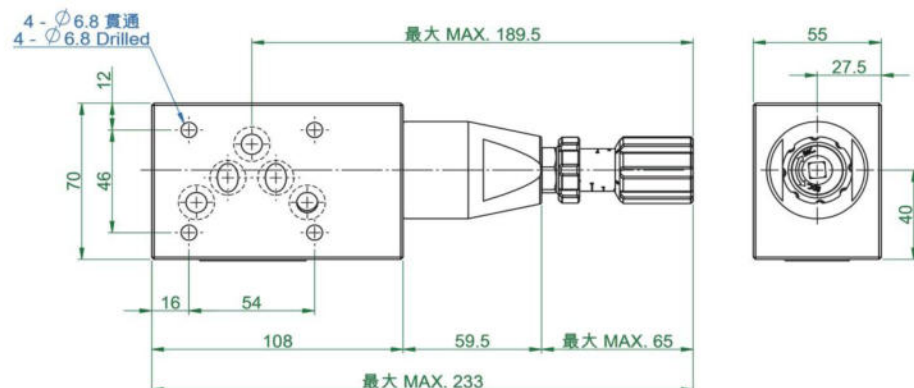
■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Pressure kgf/cm²	壓力調整範圍 Pressure Adj. Range kgf/cm²	最大流量 Max. Flow (l/min)	重 量 Weight (kg)
MBP-03	3/8"	250	B : ★~70	80	3.4
MBA-03			C : 7~160		
MBB-03			H : 35~250		

* 1. 請參照最低調整壓力特性表。Please reference to the lowest pressure adjustment characteristics list.

* 2. 另有無把手型，請洽詢大正公司。

There is also sale no regulating handle type, please contact the PROPISTON co., .



PROPISTON

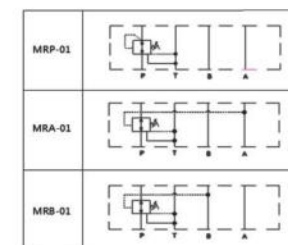
疊加閥 Modular Valves

疊加式減壓閥MRP-01系列Pressure Reducing Modular Valves

■ MR※-01



- 直動型壓力調節設計。不須管道連接，減少漏油機會及配管成本。
- 洩漏小、低震動、低噪音、易保養。閥體緊湊結合，減少系統要求空間。
- This modular valve makes the pressure in part of the circuit lower than that of the main circuit.
- Even when pressure changes in the primary main circuit, the reduced secondary pressure is maintained at a constant level.



■ 型號意義 How to order : MR P - 01 - H

1	系列號	Series
2	功能動作孔	Action form P : P Port A : A Port B : B Port
3	口徑代號	Valve size
4	壓力調節範圍	Pres. adj. range

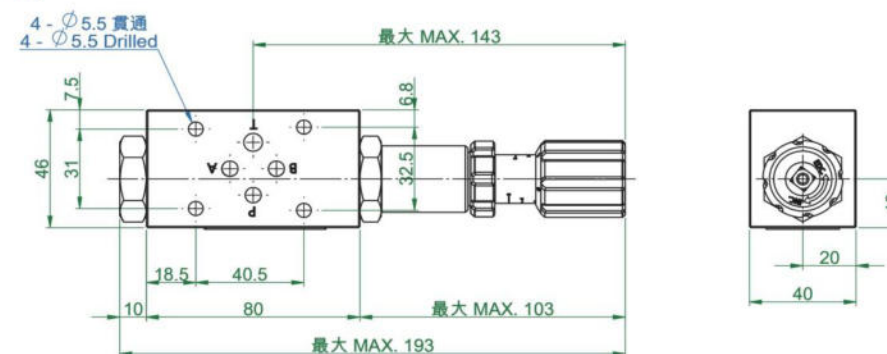
■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Pressure kgf/cm²	壓力調整範圍 Pressure Adj. Range kgf/cm²	最大流量 Max. Flow (l/min)	重 量 Weight (kg)
MRP-01	1/8"	250	A : 0 ~ 35	40	1.3
MRA-01			B : 8 ~ 70		
MRB-01			C : 35~140		

* 另有生產長柄樣式、無把手型，請洽詢大正公司。

There are also Long type pressure regulating handle and no regulating handle type, please contact the PROPISTON co., .

MP※-01-※





PROPISTON

疊加閥 Modular Valves

疊加式減壓閥MRP-03系列 Pressure Reducing Modular Valves

MR※-03



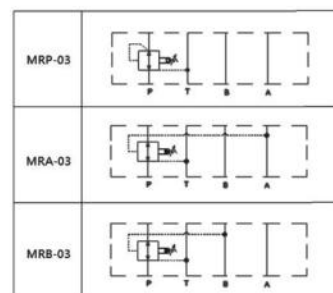
- 直動型壓力調節設計。不須管道連接，減少漏油機會及配管成本。
- 洩漏小、低震動、低噪音、易保養。閥體緊湊結合，減少系統要求空間。
- This modular valve makes the pressure in part of the circuit lower than that of the main circuit.
- Even when pressure changes in the primary main circuit, the reduced secondary pressure is maintained at a constant level.

型號意義 How to order :

MR P - 03 - H

1 2 3 4

1	系列號	Series
2	功能動作孔	Action form P : P Port A : A Port B : B Port
3	口徑代號	Valve size
4	壓力調節範圍	Pres. adj. range

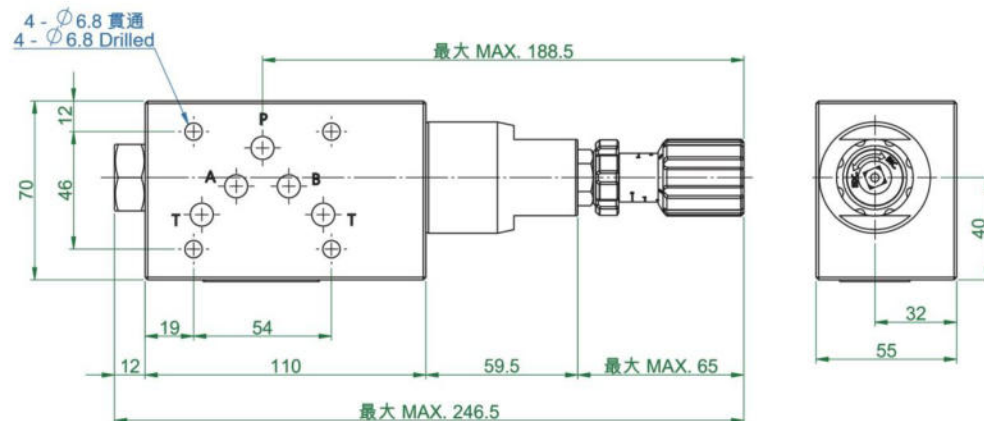


規 格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Pressure kgf/cm ²	壓力調整範圍 Pressure Adj. Range kgf/cm ²	最大流量 Max. Flow (l/min)	重 量 Weight (kg)
MRP-03	3/8"	250	B : 8~70	80	3.5
MRA-03			C : 8~140		
MRB-03			H : 8~250		

* 另有無把手型，請洽詢大正公司。

There is also sale no regulating handle type, please contact the PROPISTON co., .



PROPISTON

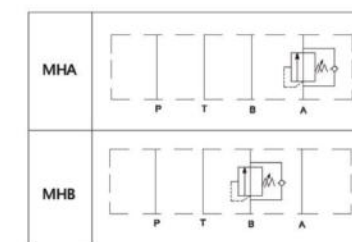
疊加閥 Modular Valves

疊加式抗衡閥MHA-01系列 Counterbalance Modular Valves

MH※-01



- 直動型壓力抗衡調節設計。不須管道連接，減少漏油機會及配管成本。
- 洩漏小、低震動、低噪音、易保養。閥體緊湊結合，減少系統要求空間。
- This modular valve is used to control actuator back pressure and for other pressure control valve applications.



型號意義 How to order :

MHA - 01 - A

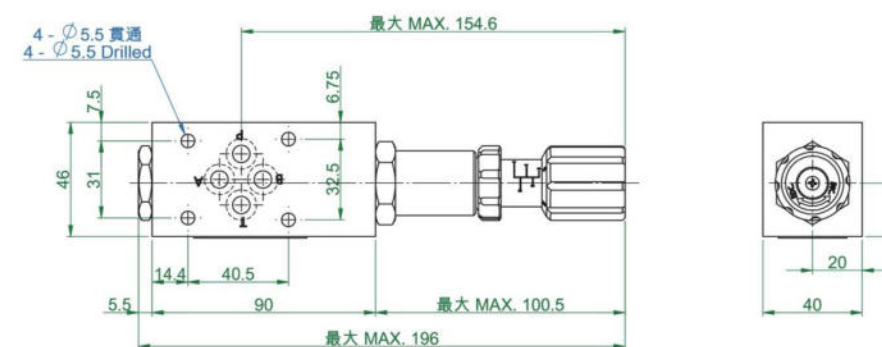
1 2 3

1	系列號	Series
2	口徑代號	Valve size
3	壓力調節範圍	Pres. adj. range

規 格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Pressure kgf/cm ²	壓力調整範圍 Pressure Adj. Range kgf/cm ²	最大流量 Max. Flow (l/min)	重 量 Weight (kg)
MHA-01	1/8"	250	A : 1~35	40	1.5
MHB-01			B : 8~70 C : 35~140		

MHB - 01





PROPISTON

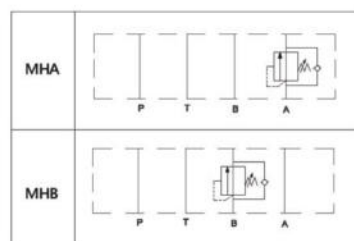
疊加閥 Modular Valves

疊加式抗衡閥MHA-03系列 Counterbalance Modular Valves

■ MH※-03



- 直動型壓力抗衡調節設計。不須管道連接，減少漏油機會及配管成本。
- 洩漏小、低震動、低噪音、易保養。閥體緊湊結合，減少系統要求空間。
- This modular valve is used to control actuator back pressure and for other pressure control valve applications.



■ 型號意義 How to order : MHA - 03 - A

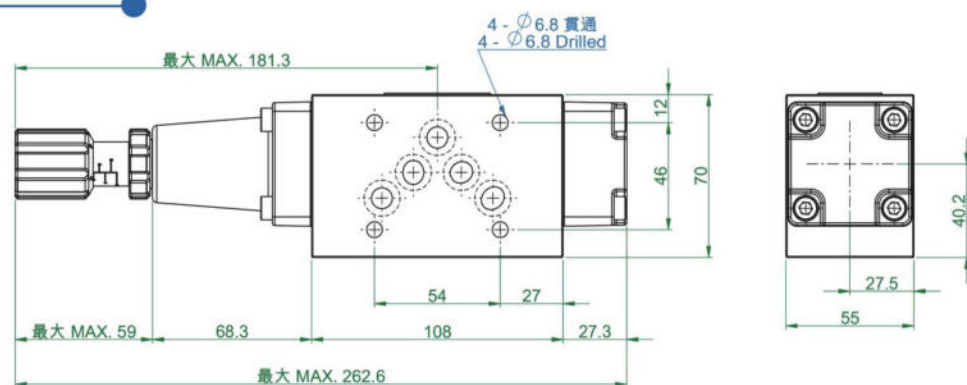
1 2 3

1	系列號	Series
2	口徑代號	Valve size
3	壓力調節範圍	Pres. adj. range

■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Pressure kgf/cm ²	壓力調整範圍 Pressure Adj. Range kgf/cm ²	最大流量 Max. Flow (l/min)	重 量 Weight (kg)
MHA-03	3/8"	250	A : 8.5~35	80	4
MHB-03			C : 35~140		

MHA - 03



PROPISTON

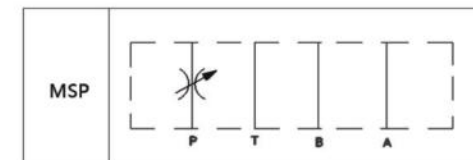
疊加閥 Modular Valves

疊加式節流閥MSP-01系列 Throttle Modular Valves

■ MSP - 01



- 速度控制時使用。不須管道連接，減少漏油機會及配管成本。
- 洩漏小、低震動、低噪音、易保養。閥體緊湊結合，減少系統要求空間。
- 可選擇出口節流或入口節流控制。
- This modular valve is used to control actuator speed and for other flow control valve applications.



■ 型號意義 How to order :

MSP - 01

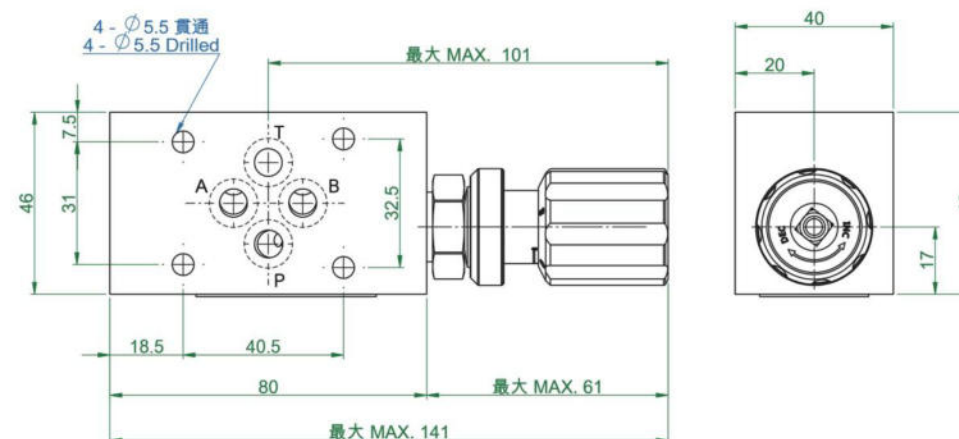
1 2

1	系列號	Series
2	口徑代號	Valve size

■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Operating Pressure kgf/cm ²	最大流量 Max. Flow (l/min)	重 量 Weight (kg)
MSP-01	1/8"	250	500	12.5

MSP - 01





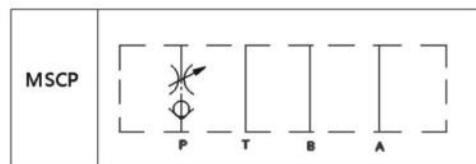
疊加閥 Modular Valves

疊加式單向節流閥MSCP-01系列 Throttle And Check Modular Valves

■ MSCP - 01



- 速度控制時使用。不須管道連接，減少漏油機會及配管成本。
- 洩漏小、低震動、低噪音、易保養。閥體緊湊結合，減少系統要求空間。
- 可選擇出口節流或入口節流控制。
- This modular valve is used to control actuator speed and for other flow control valve applications.



■ 型號意義 How to order :

MSCP - 01

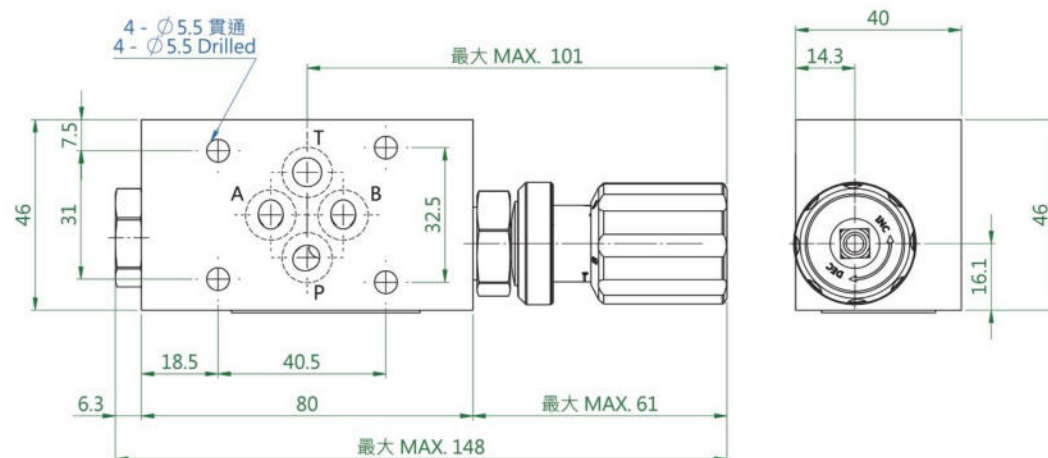
1 2

1	系列號	Series
2	口徑代號	Valve size

■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Operating Pressure kgf/cm ²	最大流量 Max. Flow (l /min)	重 量 Weight (kg)
MSCP-01	1/8"	250	40	1.3

MSCP - 01



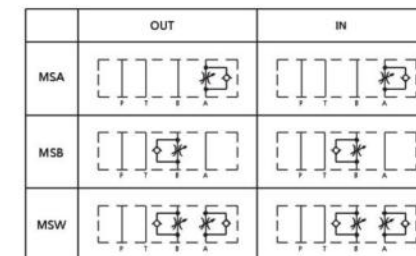
疊加閥 Modular Valves

疊加式單向節流閥MSW-01系列 Throttle And Check Modular Valves

■ MS※ - 01



- 速度控制時使用。不須管道連接，減少漏油機會及配管成本。
- 洩漏小、低震動、低噪音、易保養。閥體緊湊結合，減少系統要求空間。
- 可選擇出口節流或入口節流控制。
- This modular valve is used to control actuator speed and for other flow control valve applications.



■ 型號意義 How to order :

MSW - 01 - X

1 2 3

1	系列號	Series
2	口徑代號	Valve size
3	作動方向	Direction of flow X : Meter-Out Y : Meter-In

■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Operating Pressure kgf/cm ²	最大流量 Max. Flow (l /min)	重 量 Weight (kg)
MSA-01-X	1/8"	250	40	1.5
MSB-01-X				1.5
MSW-01-X				1.6



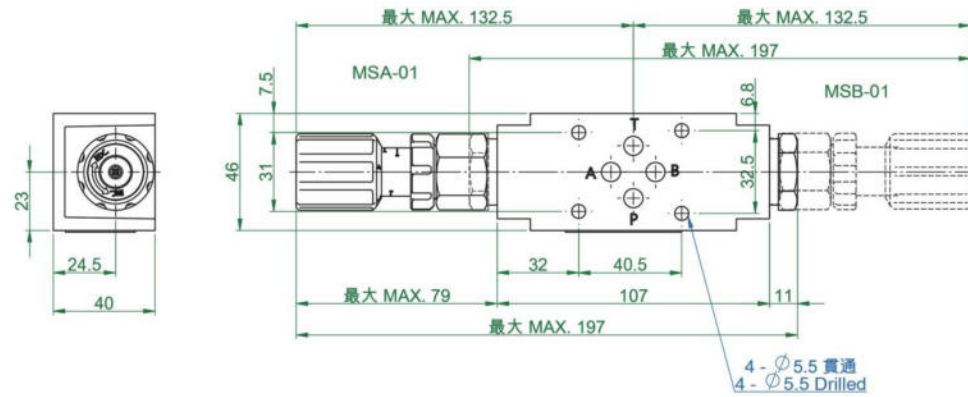
PROPISTON

疊加閥 Modular Valves

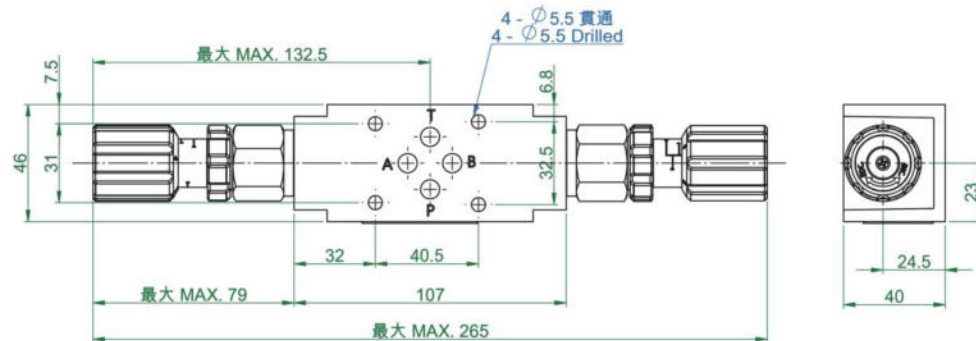
疊加式單向節流閥MSW-01系列
Throttle And Check Modular Valves

MSA/B - 01 - X
MSA/B - 01 - Y

以此圖左右方向相反
This figure around in the opposite direction



MSW - 01 - X
MSW - 01 - Y



PROPISTON

疊加閥 Modular Valves

疊加式單向節流閥MSW-03系列
Throttle And Check Modular Valves

MS - 03



- 速度控制時使用。不須管道連接，減少漏油機會及配管成本。
 - 洩漏小、低震動、低噪音、易保養。閥體緊湊結合，減少系統要求空間。
 - 可選擇出口節流或入口節流控制。
- This modular valve is used to control actuator speed and for other flow control valve applications.

	OUT	IN
MSA		
MSB		
MSW		

型號意義 How to order :

MSW - 03 - X

1 2 3

1	系列號	Series
2	口徑代號	Valve size
3	作動方向	Direction of flow X : Meter-Out Y : Meter-In

規格 Specifications :

型號 Model	口徑 Valve Size	最高壓力 Max. Operating Pressure kgf/cm ²	最大流量 Max. Flow (l/min)	重量 Weight (kg)
MSA-03-X	3/8"	250	70	2.8
MSB-03-X				2.8
MSW-03-X				3



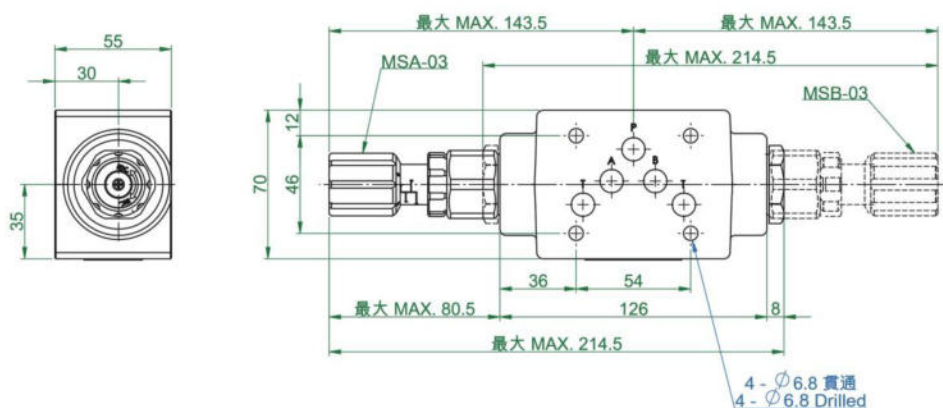
PROPISTON

疊加閥 Modular Valves

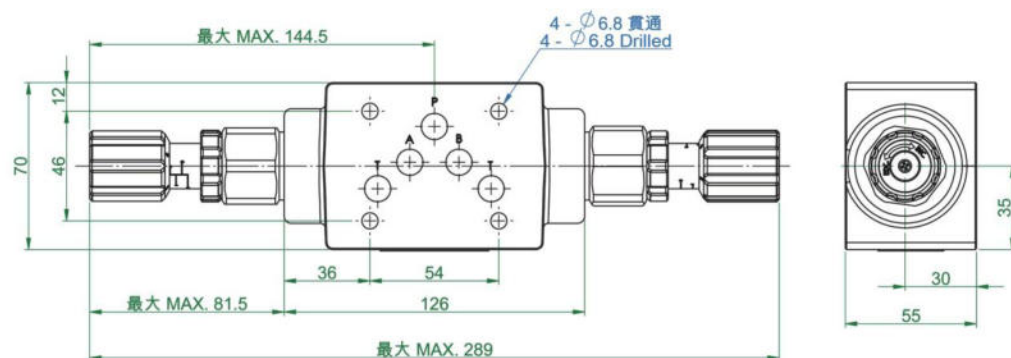
疊加式單向節流閥MSW-03系列
Throttle And Check Modular Valves

MSA/B - 03 - X
MSA/B - 03 - Y

以此圖左右方向相反
This figure around in the opposite direction



MSW - 03 - X
MSW - 03 - Y



PROPISTON

疊加閥 Modular Valves

疊加式單向閥MCP-01系列 Check Modular Valves

MC※-01

- 直動型單向流動設計。不須管道連接，減少漏油機會及配管成本。
- 洩漏小、低震動、低噪音、易保養。閥體緊湊結合，減少系統要求空間。
- This modular valve is a check valve that prevents reverse-flow.



型號意義 How to order : MCP - 01 - 0

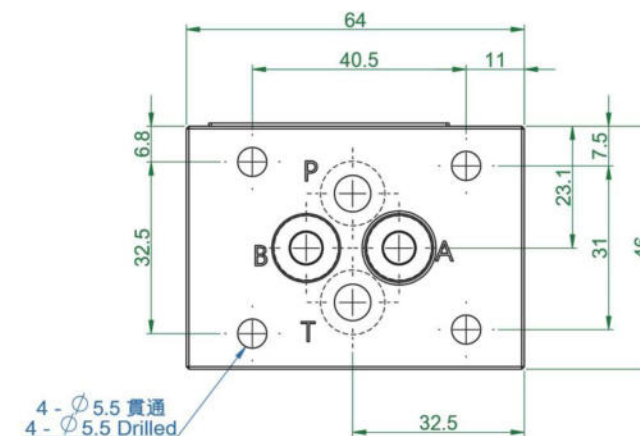
1	系列號	Series
2	口徑代號	Valve size
3	彈簧壓力	Spring Pressure

MCP-01	
MCT-01	
MCA-01	
MCB-01	
MCW-01	

規 格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Pressure kgf/cm ²	最大流量 Max. Flow (l/min)	彈簧壓力 Spring Pressure kgf/cm ²	重 量 Weight (kg)
MCP-01	1/8"	250	40	0:0.4	0.9
MCT-01					
MCA-01					
MCB-01					
MCW-01					

MC※ - 01





疊加閥 Modular Valves

疊加式單向閥MCP-03系列 Check Modular Valves

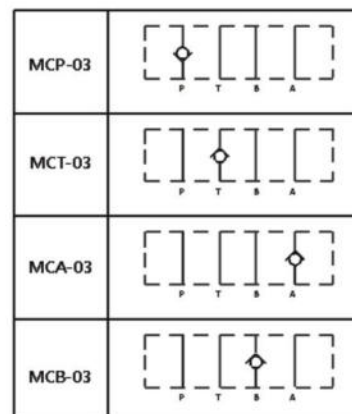
■ MC※-03



- 直動型單向流動設計。不須管道連接，減少漏油機會及配管成本。
- 洩漏小、低震動、低噪音、易保養。閥體緊湊結合，減少系統要求空間。
- This modular valve is a check valve that prevents reverse-flow.

■ 型號意義 How to order : MCP - 03 - 0

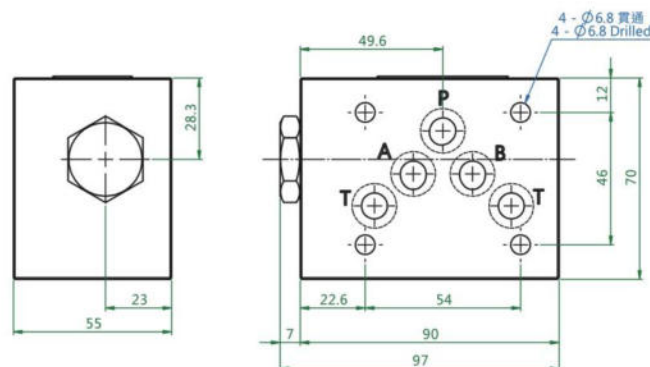
1	系列號	Series
2	口徑代號	Valve size
3	彈簧壓力	Spring Pressure



■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Pressure kgf/cm ²	最大流量 Max. Flow (l/min)	彈簧壓力 Spring Pressure kgf/cm ²	重 量 Weight (kg)
MCP-03	3/8"	250	80	0:0.4	0.9
MCT-03					
MCA-03					
MCB-03					

MC※ - 03



註：其他規格尺寸請洽詢大正



疊加閥 Modular Valves

疊加式先導單向閥MPW-01系列 Pilot Operated Check Modular Valves

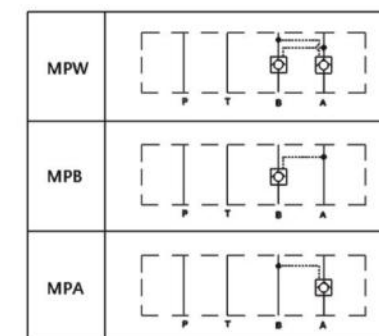
■ MP※-01



- 先導控制單向流動設計。不須管道連接，減少漏油機會及配管成本。
- 洩漏小、低震動、低噪音、易保養。閥體緊湊結合，減少系統要求空間。
- 防止油路洩漏，導致油壓缸作動。
- This modular valve is used to prevent i actuator self-running and to maintain actuator position.

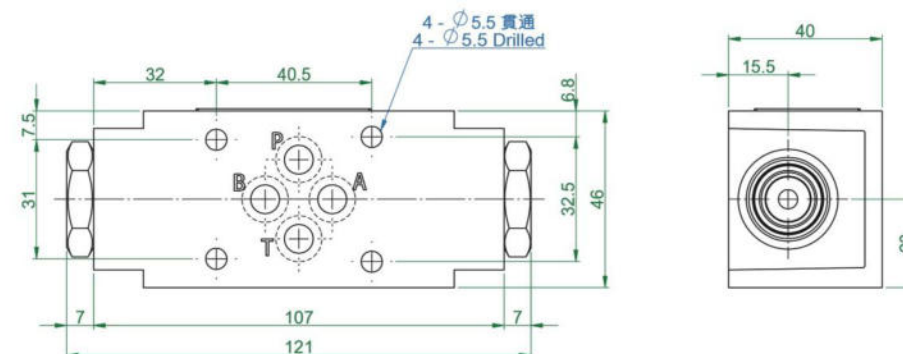
■ 型號意義 How to order : MPW - 01

1	系列號	Series
2	口徑代號	Valve size



■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Operating Pressure kgf/cm ²	最大流量 Max. Flow (l/min)	重 量 Weight (kg)
MPA-01	1/8"	250	40	1.3
MPB-01				
MPW-01				





PROPISTON

疊加閥 Modular Valves

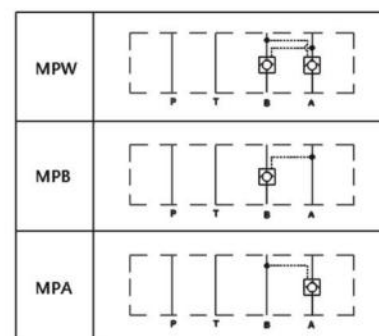
疊加式先導單向閥MPW-03系列
Pilot Operated Check Modular Valves

■ MP※-03



- 先導控制單向流動設計。不須管道連接，減少漏油機會及配管成本。
- 洩漏小、低震動、低噪音、易保養。閥體緊湊結合，減少系統要求空間。
- 防止油路洩漏，導致油壓缸作動。
- This modular valve is used to prevent i actuator self-running and to maintain actuator position.

■ MP※-03-D



■ 型號意義 How to order : MPW - 03 - D

1	系列號	Series
2	口徑代號	Valve size
3	D : 雙段開啓 無 : 一般型	D : The two section open None : General type

■ 規 格 Specifications :

型 號 Model	口 徑 Valve Size	最高壓力 Max. Operating Pressure kgf/cm ²	最大流量 Max. Flow (l /min)	重 量 Weight (kg)
MPA-03	3/8"	250	80	2.7
MPB-03				
MPW-03				
MPA-03-D			100	3.6
MPB-03-D				
MPW-03-D				

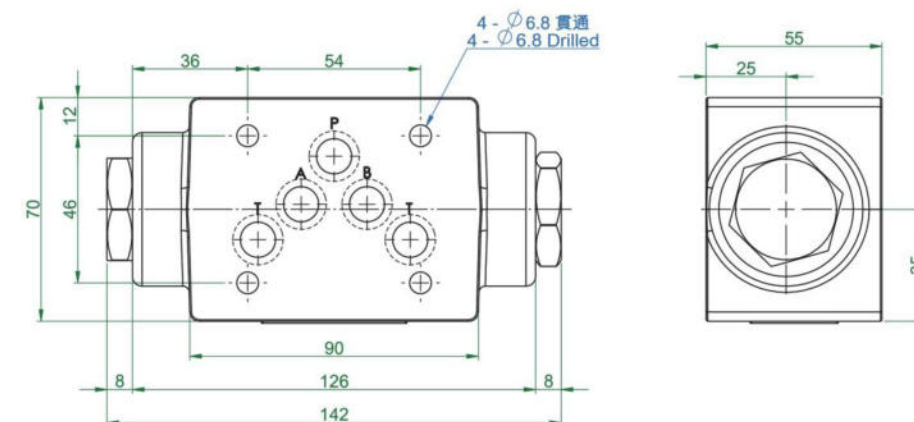


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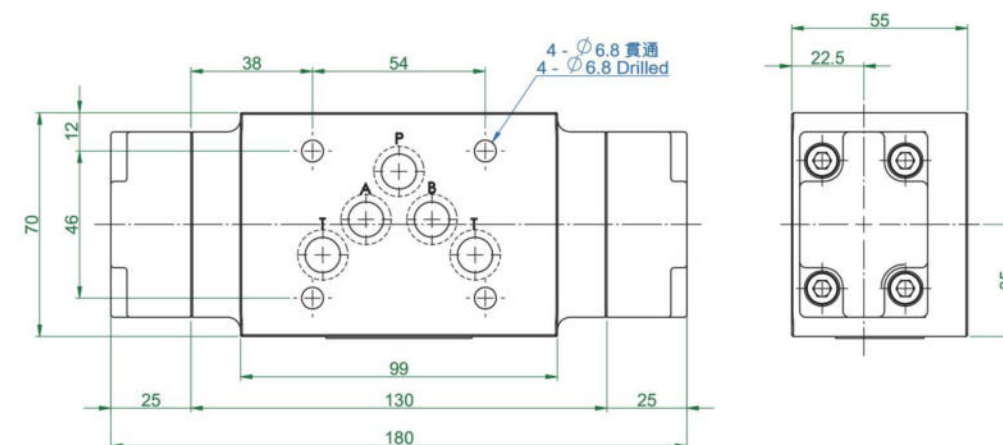
疊加閥 Modular Valves

疊加式先導單向閥MPW-03系列
Pilot Operated Check Modular Valves

MP※ - 03



MP※ - 03 -D

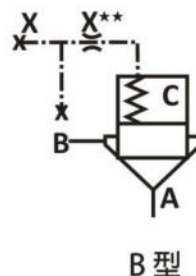
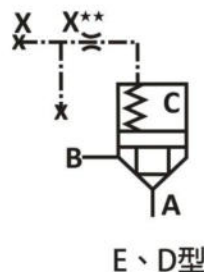




PROPISTON

邏輯閥 Logic Valves

LCV - 16 ~ 63



型號意義 How to order :

LCV - 32 - E - 50
1 2 3 4

1	系列號	Series Number
2	閥規格	Valves Size
3	閥型式 E : 方向－流量控制閥 D : 附緩衝型閥 B : 溢流閥	Valves Type E : Directional & Flow Control Logic Valves. D : Shock Less Logic Valves. B : Relief Logic Valves.
4	開啓壓力	Cracking Pressure 05 : 0.35 kgf /cm ² 20 : 2.0 kgf /cm ² 50 : 4.5 kgf /cm ²

規格 Specifications :

型 號 Model No.	最大流量 Max. Flow (l/min)	最高使用壓力 MAX. Operating Pressure (kgf/cm ²)	開啓壓力 Cracking Pressure (kgf/cm ²)	重 量 Weight (kg)
LCV-16-※	130	315	05 : 0.35 20 : 2.0 50 : 4.5	0.2
LCV-20-※	230			0.3
LCV-25-※	350			0.45
LCV-32-※	500			0.9
LCV-40-※	850			1.65
LCV-50-※	1400			3.05
LCV-63-※	2100			6.5

註 : LCVD請洽詢大正公司

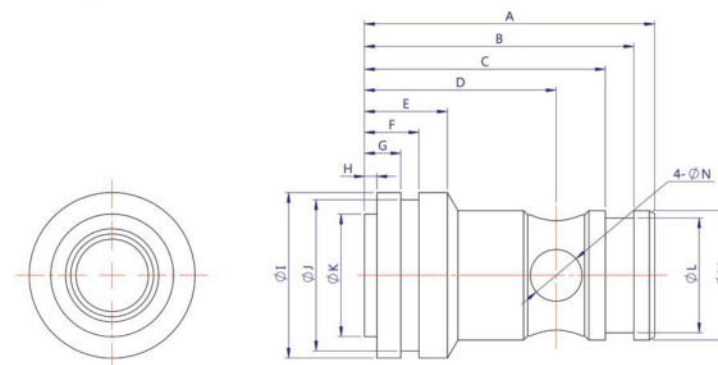
Remark : LCVD Please contact PROPISTON



PROPISTON

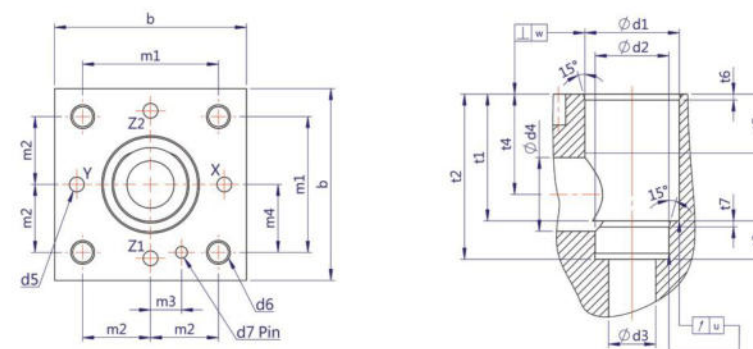
邏輯閥 Logic Valves

LCV - ※



Cood Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N
16	56	52	46.5	37	16	10.5	7	2.4	32	29.2	22.2	22.2	25	10
20	64	61	53.7	40	13.7	11.2	5.6	2.4	40	35	26	25	30	11
25	72	69	62.6	43	16	13.5	8.8	1.8	45	40.8	37	29.8	34	14
32	85	81	74.6	58	20	13.6	8	2.4	60	55	47.5	40.8	45	18
40	105	97	90.6	66.5	24	15.6	10	2.4	75	70	62	50.8	55	23.5
50	122	114	107.6	83	20	14.6	9	2.4	90	85	76.8	63.8	68	28
63	155	145.5	134	115	27	21	12	4.6	120	110	94	80	90	28

LCV - ※



Cood Size	b	d1	d2	d3	d4	d5	d6	d7	m1	m2	m3	m4	t1	t2	t3	t4	t5	t6	t7	u	w
	H7	H7							±0.2	±0.2	±0.2	±0.2	±0.1	±0.1							
16	65	32	25	16	25	5	M8	4	46	23	10.5	25	43	56	11	34	20	2	2	0.03	0.05
20	75	40	30	23.5	25.5	6	M8	6	52	26	12	29	43	64	14	37	25	2	2	0.03	0.05
25	85	45	34	25	32	6	M12	6	58	29	16	33	58	72	12	44	30	2.5	2.5	0.03	0.05
32	102	60	45	32	40	8	M16	6	70	36	17	41	70	85	13	52	30	2.5	2.5	0.03	0.1
40	125	75	55	40	50	10	M20	6	85	42.5	23	50	87	105	15	64	30	3	3	0.05	0.1
50	140	90	68	50	63	10	M20	8	100	50	30	58	100	122	17	72	35	4	3	0.05	0.1
63	180	120	90	63	80	12	M30	8	125	62.5	38	75	130	155	20	95	40	4	4	0.05	0.2



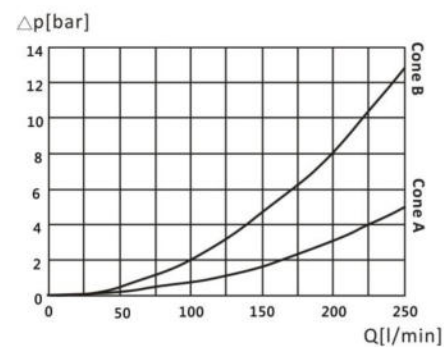
PROPISTON

邏輯閥 Logic Valves

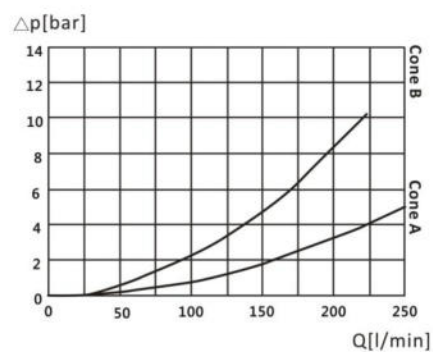
■ 流量-壓力特性 Performance Curves :

- 測試條件：沒有彈簧 Check Conditions : Without Spring
- 油溫：50° C 黏度：35 cSt Oil temperature 50°C , Viscosity 35 cSt

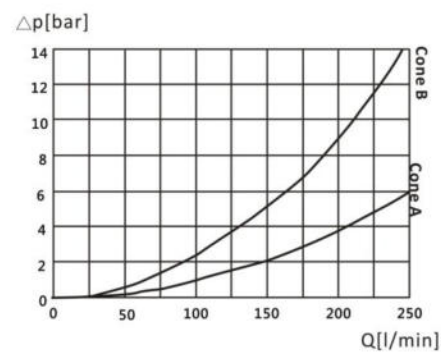
◆ LCV-16



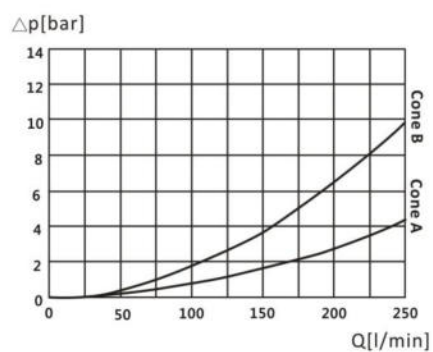
◆ LCV-25



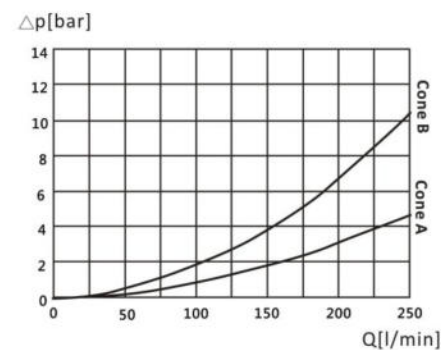
◆ LCV-32



◆ LCV-40



◆ LCV-50



◆ LCV-63

