

# PRESSURE CONTROL & CHECK VALVES

SV SERIES

(單向)順序閥

## ◆ MODEL 型 式

SV-03T



SV-03G



## ◆ SPECIFICATIONS 規 格

Model Number 型 式 號	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重 量 Kg
SV-03G	250 (3625 psi)	3/8"	50 (13.20 gpm)	4.8 (10.6 lbs)
SV-03T				4.6 (10.1 lbs)
SVC-03G				5.5 (12.1 lbs)
SVC-03T				4.8 (10.6 lbs)
SV-06G		3/4"	125 (33.02 gpm)	6.9 (15.2 lbs)
SV-06T				7.4 (16.3 lbs)
SVC-06G				8.5 (18.7 lbs)
SVC-06T				8.5 (18.7 lbs)
SV-10G		1 1/4"	280 (73.97 gpm)	12 (26.5 lbs)
SV-10T				10.5 (23.1 lbs)
SVC-10G				14.5 (32.0 lbs)
SVC-10T				14.8 (32.6 lbs)
Fluid Type 液體型式		ISO VG 32, 46, 68		
Viscosity 黏性 cSt		10~400 (59~1854 SSU)		
Operating Temperature 操作溫度 °C		-15~70 (-5~158°F)		
Contamination Level 污染標準		ISO4406, 21/19/16 NAS1638,10		

● All screws with metric measure, if require inch measure, please contact us.

所有螺絲皆為公制標準規格，若需英制螺絲請另外備註說明。

## ◆ HOW TO ORDER 編號說明

1	2	3	4	5	6	7
SV	*	06	G	3	D4	30

**1 VALVE SERIES** 系列名稱  
SV=Pressure Control & Check Valves

**2 CHECK VALVE** 止逆閥  
C: Include Check Valve C:附止逆閥

**3 SUBPLATE MOUNTING SIZE:** 稱呼口徑  
03 = 3/8"(9mm)      06= 3/4"(19mm)  
ISO CETOP5          ISO CETOP8  
DIN NG 10          DIN NG 25  
NFPA D05          NFPA D08  
10 = 1 1/4"(31.8mm)  
ISO CETOP10  
DIN NG 32  
NFPA D10

**4 CONNECTING TYPE** 連接型式  
T:TYPE:THREADING TYPE (螺紋連接)  
G:TYPE:BASEPLATE MOUNTING TYPE (板式連接)

**5 ADJUSTMENT PRESSURE** 壓力調整範圍  
1. 5-15 bar 2. 8-70 bar 3. 8-210 bar

**6 MODEL**(See Next Page) 型號(詳見下頁)  
A1 TYPE:RELIEF VALE  
B2 TYPE:SEQUENCE VALVE  
C3 TYPE:SEQUENCE VALVE  
D4 TYPE:UNLOADING VALE



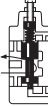





**7 DESIGN NO** 設計編號









# PRESSURE CONTROL & CHECK VALVES

(單向)順序閥

SV SERIES

## ◆ EXPLANATION OF MODEL PERFORMANCE 作動型式說明

Valve name Model No. 型號名稱	Model A1 Counterbalance Valve SV-***-A1-30 A1 型式：油壓緩衝	Model B2 Sequence & check Valve SV-***-B2-30 B2 型式：順序閥	Model C3 Sequence & check Valve SV-***-C3-30 C3 型式：順序閥	Model D4 Counterbalance Valve SV-***-D4-30 D4 型式：卸載閥
Pressure pilot & Residual oil leak back 壓力引導閥 殘餘油洩漏	Inner pilot / Inner leakage 內部引導 / 內部洩漏	Inner pilot / Outer leakage 內部引導 / 外部洩漏	Outer pilot / Outer leakage 外部引導 / 外部洩漏	Outer pilot / Inner leakage 外部引導 / 內部洩漏
Construction & Action Drawing 結構及動作圖				
Hyd. symbol 油壓符號				
Illustration 說明	採用內部的引導壓力超過所設定的彈簧壓力，然後平衡活塞上升及打開連接油桶的第一段壓力及第二段壓力到油路。第一、二段壓力關閉，但第二段壓力不完全被安裝在油路的回路上。	以順序動作，在油壓回路上有二個旁通管。採用內部引導，然後依順序動作循環，如您需要壓力向後至第一段壓力，您必須採用逆止式順序閥。	內側及外部引導，但動作及原則則與順序閥相同。	在四個模型中，卸載閥被廣泛應用，用於大型位移量低壓-ure pump & little displacement high pressure pump 的壓力。卸載閥的壓力釋放使油缸的壓力釋放，使油缸的壓力釋放使油缸的壓力釋放，使油缸的壓力釋放。

Valve name Model No. 型號名稱	Model A1 Relief Valve SVC-***-A1-30 A1 型式：抗衝閥	Model B2 Sequence & check Valve SVC-***-B2-30 B2 型式：順序閥	Model C3 Sequence & check Valve SVC-***-C3-30 C3 型式：順序閥	Model D4 Unload Valve SVC-***-D4-30 D4 型式：抗衝閥
Pressure pilot & Residual oil leak back 壓力引導閥 殘餘油洩漏	Inner pilot / Inner leakage 內部引導 / 內部洩漏	Inner pilot / Outer leakage 內部引導 / 外部洩漏	Outer pilot / Outer leakage 外部引導 / 外部洩漏	Outer pilot / Inner leakage 外部引導 / 內部洩漏
Construction & Action Drawing 結構及動作圖				
Hyd. symbol 油壓符號				
Illustration 說明	The counterbalance valve can be no minated backpressure valve also, encased in the large load of vertical hyd. cylinder, auto downward or the downward speed are over control speed, so that, the counter-balance valve will make back-pressure for the load downward in upward, because there are being with check valve so far, the hyd oil can be flowed reversely.	There are two bypass or more, the sequence & check valve can be depended on the pilot pressure to make the two hyd. cylinder operated one by one, and there are being with check valve, the hyd. oil can be flowed reversely, because, the valve that is inner pilot so that, the action of A cylinder will not approach to the work piece, then the B cylinder will be acted also.	The application of this valve is same as B2 valve and being with check valve, so far, the hyd. oil can be flowed reversely, during the cylinder A be completed forward process and approached the workpiece and then, the outer pilot cylinder B for being operation.	The application of this valve is same as A1 valve and being with check valve, so far, the hyd. oil can be flowed reversely, because, there are outer pilot, during the hyd. cylinder acted fastly or loaded uneven and unbalance, so that, the valve is not used of tenry.

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SV

# PRESSURE CONTROL & CHECK VALVES

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(單向)順序閥

### ◆ PERFORMANCE 性能

Test Conditions 測試條件

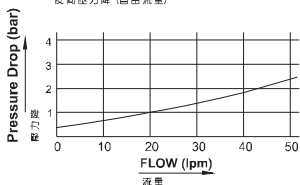
Oil Temperature 油溫: 50°C(122°F)

Viscosity 黏度: 35 cSt (163 SSU)

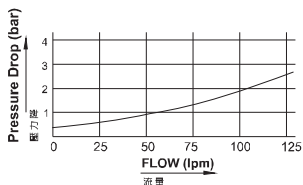
#### SV-03

##### Reverse Pressure Drop (Free Flow)

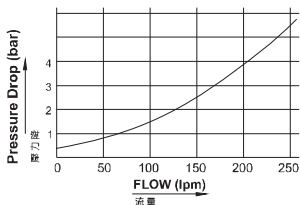
反向壓力降 (自由流量)



#### SV-06



#### SV-10

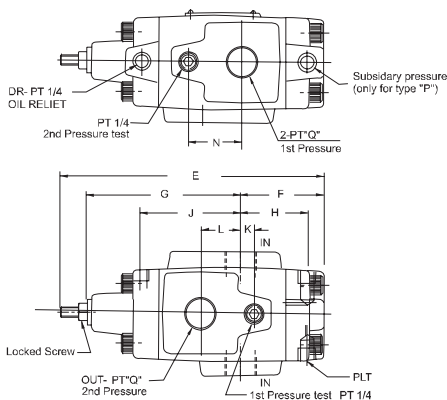


### ◆ ACCESSORIES (G TYPE) 附屬配件(板式連接)

MODEL NUMBER	HEX. COUNTER-SINK SCREW
SVC-03G	M10 x 85L (4pcs)
SV -03G	M10 x 55L (4pcs)
SVC-06G	M10 x 85L (4pcs)
SV -06G	M10 x 55L (4pcs)
SVC-10G	M10 x 105L (6pcs)
SV -10G	M10 x 65L (6pcs)

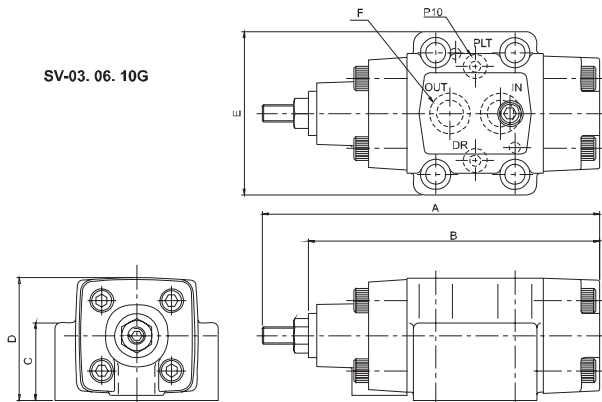
## ◆ DIMENSIONS 外型尺寸圖

### SV-03. 06. 10T



MODEL 型 式	A	B	C	D	E	F	G	H	J	K	L	N	Q
SV-03T	41(1.61")	82(3.23")	60(2.36")	74(2.91")	191(7.52")	57(2.24")	108(4.17")	43(1.69")	70(2.76")	0	28(1.10")	28(1.10")	3/8
SV-06T	48(1.89")	96(3.78")	73(2.87")	87(3.43")	221(8.70")	64.5(2.54")	123.5(4.86")	50.5(1.99")	80.5(3.17")	9(0.35")	33(1.30")	33(1.30")	3/4
SV-10T	66(2.6")	132(5.20")	86(3.89")	112(4.41")	272(10.7")	84(3.31")	149(5.87")	66(2.60")	98(3.86")	12(0.47")	40(1.57")	40(1.57")	1 1/4

### SV-03. 06. 10G



MODEL 型 式	A	B	C	D	E	F
SV-03G	190(7.48")	160(6.30")	41(1.61")	67(2.64")	88(3.46")	P18
SV-06G	230(9.06")	192(7.56")	41(1.61")	80(3.15")	96(3.78")	P28
SV-10G	280(11.0")	235(9.25")	40(1.57")	92(3.62")	117(4.60")	P40

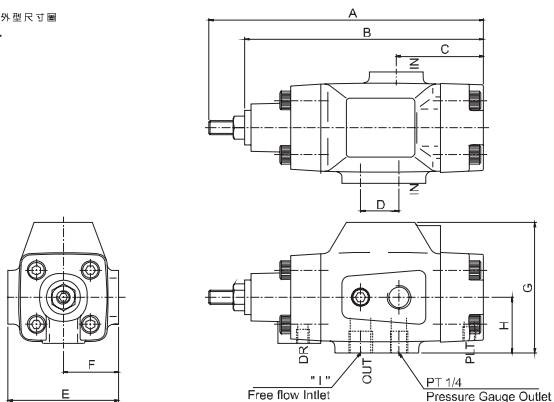
# PRESSURE CONTROL & CHECK VALVES

## SV SERIES

(单向)顺序阀

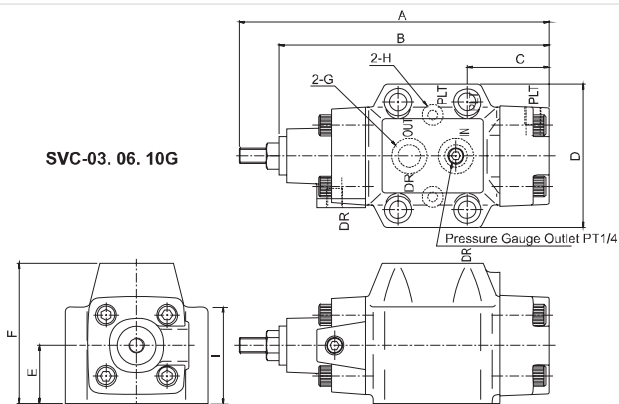
### ◆ DIMENSIONS 外形尺寸图

SVC-03, 06, 10T



MODEL 型号	A	B	C	D	E	F	G	H	I
SVC-03T	194(7.64")	169(6.65")	61(2.40")	28(1.02")	78(3.07")	39(1.54")	92(3.62")	39(1.54")	PT3/8
SVC-06T	220(8.66")	192(7.56")	68(2.68")	35(1.38")	98(3.86")	49(1.93")	120(4.72")	51(2.01")	PT3/4
SVC-10T	272(10.7")	233(9.17")	84(3.31")	52(2.05")	132(5.20")	66(2.60")	152(5.98")	66(2.60")	PT1 1/4

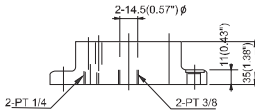
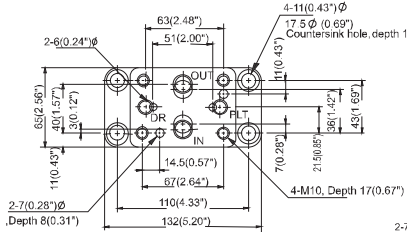
SVC-03, 06, 10G



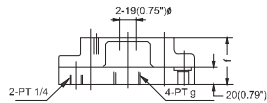
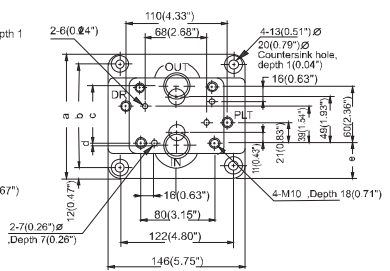
MODEL 型号	A	B	C	D	E	F	G	H	I
SVC-03G	190(7.48")	170(6.69")	55.5(2.19")	90(3.54")	35(1.38")	88(3.46")	P18	P10	60(2.36")
SVC-06G	224(8.82")	197(7.76")	55.5(2.19")	101(3.98")	42(1.65")	107(4.21")	P28	P10	70(2.76")
SVC-10G	264(10.39")	235(9.25")	60(2.36")	118(4.65")	49(1.93")	130(5.12")	P40	P10	79(3.11")

## ◆ Mounting Interface 基準尺寸圖

SVM , SVCM-03



SVM , SVCM-06



SVM , SVCM-10

