

# PRESSURE CONTROL & CHECK VALVES

## SV SERIES

(單向)順序閥

### ◆ MODEL 型式

SV-03T



SV-03G



### ◆ SPECIFICATIONS 規格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 通用管徑	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)		
<b>Fluid Type</b> 液體型式		ISO VG 32 , 46 , 68				
<b>Viscosity</b> 黏性 cSt		10~400 (59~1854 SSU)				
<b>Operating Temperature</b> 操作溫度 °C		-15~70 (-5~158°F)				
<b>Contamination Level</b> 污染標準		ISO4406. 21/19/16 NAS1638,10				

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

所附螺絲皆為公制標準規格品，若需英制螺絲請另外攜註說明。

### ◆ HOW TO ORDER 指導說明

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: 止逆閥

#### 3 SUBPLATE MOUNTING SIZE: 接頭口徑

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 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 VALVE  
B2 TYPE:SEQUENCE VALVE  
C3 TYPE:SEQUENCE VALVE  
D4 TYPE:UNLOADING VALVE

#### 7 DESIGN NO 設計編號

# PRESSURE CONTROL & CHECK VALVES

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## ◆ EXPLANATION OF MODEL PERFORMANCE 作動型式説明

Valve name Model No. 型號名稱	Model A1 Counterbalance Valve SV - *** - A1 - 30 A1 型式：抗壓閥	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：抗壓閥
Pressure piloted & Residual oil leak back 壓力引導與殘餘油回流	Inner pilot / Inner leakage 內部引導 / 內部漏出量	Inner pilot / Outer leakage 內部引導 / 外部漏出量	Outer pilot / Outer leakage 外部引導 / 外部漏出量	Outer pilot / Inner leakage 外部引導 / 內部漏出量
Construction & Action Drawing 結構及動作圖				
Hyd. symbol 油壓符號				
Illustration 說明	Apply the inner pilot pressure by over the setted spring pressure; for then, the balance piston shall upward and open the circulation of 1st pressure & 2nd pressure the pump connecting the oil tank, so that, there is no need valve, because valves be installed in the hyd. circuiting scarcely.	By sequence action, there are two by pass circulating in the hyd. circuiting, and adopts inner pilot, for then in sequence action for circulating. If you want the pressure backword to the fist pressure, you must applied the check-type sequence valve.	The inner & outer pilotized, but the action & principle is same as the sequence valve.	In the four models, the unloading valve is widely used, the combination output caps -city for the large displacement low pressure pump & little displacement high pressure pump make the action of hydraulic cylinder fast, due to the high pressure advance and high pressure pump plant to the piston rod, the output of low pressure pump was released to the oil tank, and hyd. pump being onload.
Illustration 說明	採用內部的引導壓力超過所設定的彈簧壓力，然後平衡活塞向上升及引導連接油箱的第一段壓力及第二段壓力的回路，那麼一個直壓式放氣閥。但這些裝置並不完全被安裝在油壓的回路上。	以順序動作，在油壓回路上有二個旁道管，採用內部引導，然後依循序動作原理，如果想要壓力由後至第一段壓力，您必須採用逆止式順序閥。	內僅及外部被引導，但動作及順序與順序閥相同。	在這四個模型中，負載閥廣泛使用，大尺寸低壓泵及小尺寸的排氣閥組合的輸出量，使油缸動作快速，通過低壓型壓力油泵及高壓泵油引導壓力至活塞桿的瞬間，低壓泵的輸出量被釋放至油箱而油壓系統是負載的。

Valve name Model No. 型號名稱	Model A1 Relief Valve SVC - *** - A1 - 30 A1 型式：抗壓閥	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：抗壓閥
Pressure piloted & Residual oil leak back 壓力引導與殘餘油回流	Inner pilot / Inner leakage 內部引導 / 內部漏出量	Inner pilot / Outer leakage 內部引導 / 外部漏出量	Outer pilot / Outer leakage 外部引導 / 外部漏出量	Outer pilot / Inner leakage 外部引導 / 內部漏出量
Construction & Action Drawing 結構及動作圖				
Hyd. symbol 油壓符號				
Illustration 說明	The counterbalance valve can be nominated backpressure valve also, and applied for large load of critical hyd. cylinder auto control, if the flowrate speed are over control speed, so that, the counter-balance valve will make back-pressure for the load downward upward, because there are being valve check valve so far, the hyd. can be flowed reversed.	There are two bypass or more, the sequence & check valve can be depended on the pilot valve to make the two hyd. cylinder operated in one direction, one being with check valve, the hyd. oil can be flowed reversely, because, the valve that is inner piloted so that, the action of A cylinder will not approach to the work cylinder B for being operation.	The application of this valve is same as B2 valve and being with check valve, so far, the hyd. oil can be flowed reversely, due to the cylinder A to be operated forward process and approached the work cylinder and then, the outer piloted cylinder B for being operation.	The application of this valve is same as A1 valve and being with check valve, so far the oil can be flowed reversely, because the cylinder A to be operated forward process and approached the work cylinder and then, the outer piloted cylinder B for being operation.
Illustration 說明	此閥的用途可被應用為逆止閥，並應用在垂直式油壓回路，自動下降或下降速度超過控制速度的大負載，以應此平衡閥因負載下降，上升速度過慢，因為有逆止閥，油壓可逆向流動。	有二個閥門可供選擇的逆止閥，油壓閥及逆止閥依導引的壓力，由二個閥門和一個被操作，逆止閥被油壓反向流動，因此隨著被內部引導所以油缸A不靠近工作物，油缸B被動作。	此閥的用途可被應用為逆止閥，油壓閥可反向流動，因外部引導，在油缸快速運動時並不平滑及不平均的負載期間，此閥是一點也不被使用的。	

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SV

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(单向) 槽序閥

### ◆ PERFORMANCE 性能

Test Conditions 測試條件

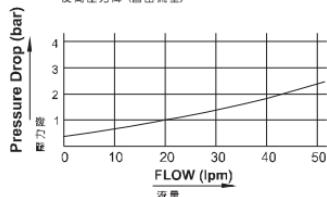
Oil Temperature 油溫度: 50°C(122°F)

Viscosity 黏度: 35 cSt (163 SSU)

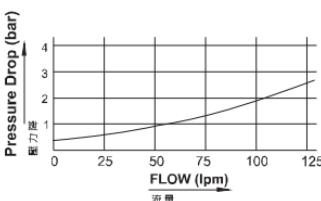
SV-03

Reverse Pressure Drop (Free Flow)

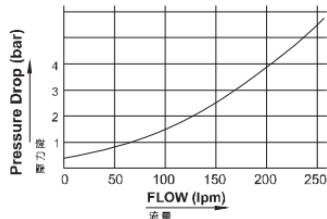
反向壓力降 (自由流量)



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)

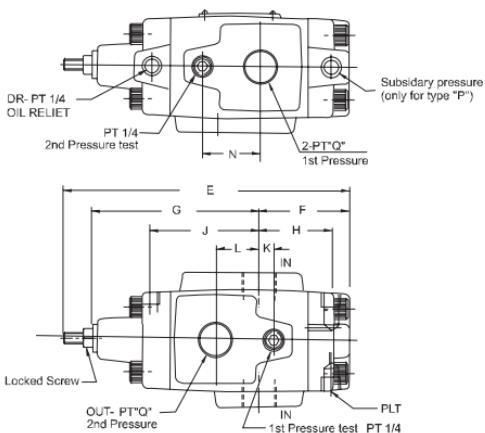
# PRESSURE CONTROL & CHECK VALVES

(单向)顺序阀

SV SERIES

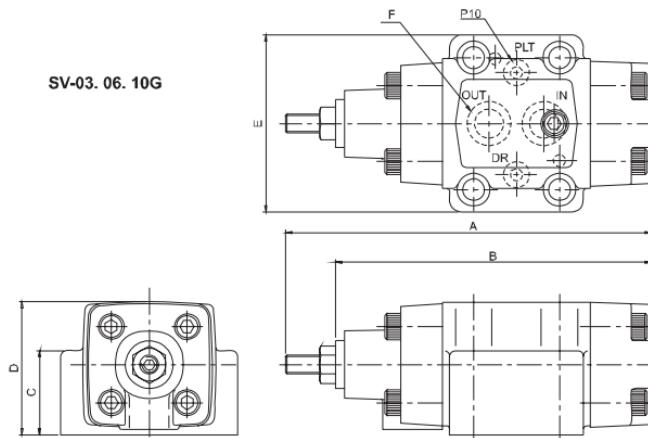
## ◆ DIMENSIONS 外型尺寸图

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")	106(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

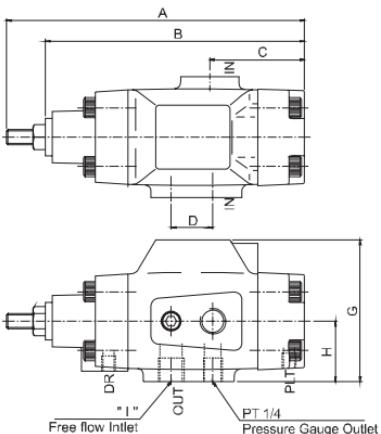
# PRESSURE CONTROL & CHECK VALVES

**SV SERIES**

(单向)顺序阀

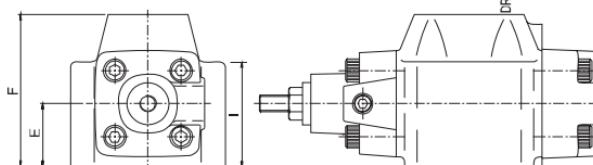
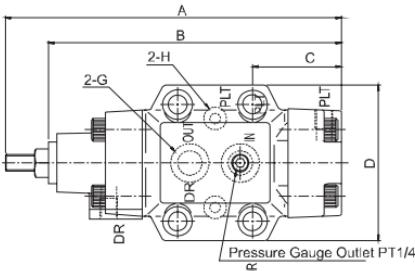
## ◆ DIMENSIONS 外型尺寸圖

SVC-03. 06. 10T



MODEL 型式	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 型式	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")

**F  
SV**

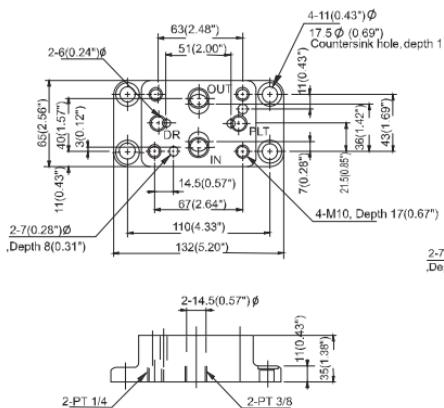
## **PRESSURE CONTROL & CHECK VALVES**

(單向)順序閥

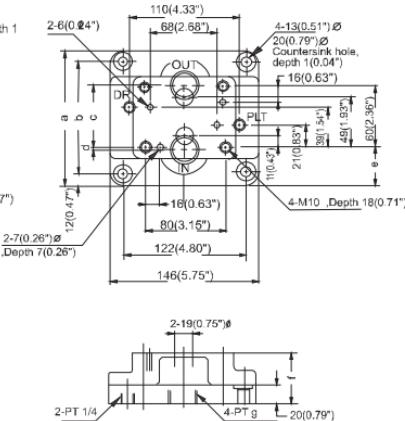
## **SV SERIES**

#### ◆ Mounting Interface 基座尺寸圖

SVM , SVCM-03



SVM , SVCM-06



SVM , SVCM-10

