

DIRECT TYPE RELIEF VALVES

溢流閥

RV SERIES

◆ MODEL 型 式 RV-02G



◆ FEATURES

- Casting iron bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.

- 特 點
- 鋼本體構造堅固耐用，壽命長。
- 內部硬鋼零件提高產品壽命。

◆ SPECIFICATIONS 規 格

Model Number 型 式 號 碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重 量 Kg
RV-02G	315 (4500 psi)	1/4"	18 (4.23 gpm)	1.2 (2.7 lbs)
RV-02T				1.4 (3.1 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 程 度			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型，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
RV	02	*	1	30

1 VALVE SERIES 系列名稱

RV= Relief Valves

2 SUBPLATE MOUNTING SIZE: 安裝口徑

02 = 1/4"(6mm)
ISO CETOP3
DIN NG 6
NFPA D03

3 CONNECTING TYPE 連接型式

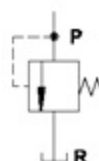
T: TYPE: THREADING TYPE (螺紋連接)
G: TYPE: BASEPLATE MOUNTING TYPE (板式連接)

4 ADJUSTMENT PRESSURE 壓力調整範圍

- 1. 0 - 70 bar
- 3. 8 - 210 bar
- 4. 8 - 315 bar

5 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



F
RV

DIRECT TYPE RELIEF VALVES

RV SERIES

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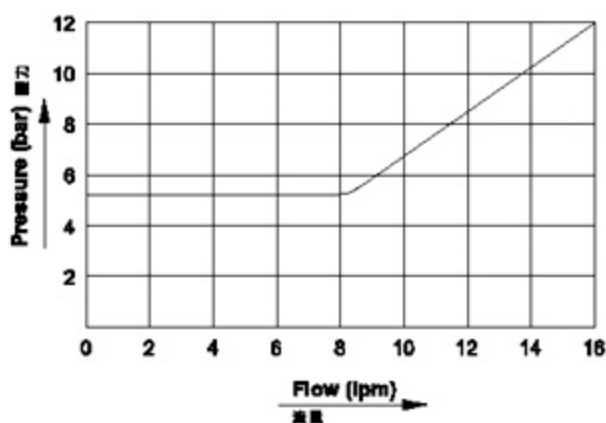
◆ PERFORMANCE 性能

Test Conditions 試驗條件

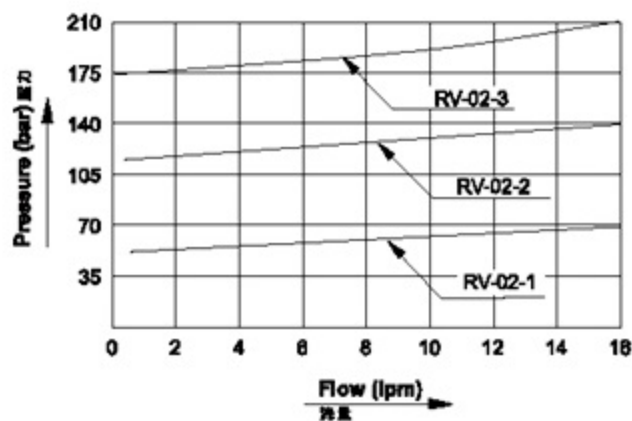
Oil Temperature 油溫: 50°C (122°F)

Viscosity 黏度: 35 cSt (163 SSU)

Minimum Adjustment Pressure 最低調整壓力



Flow-Pressure Characteristic 流量壓力特性

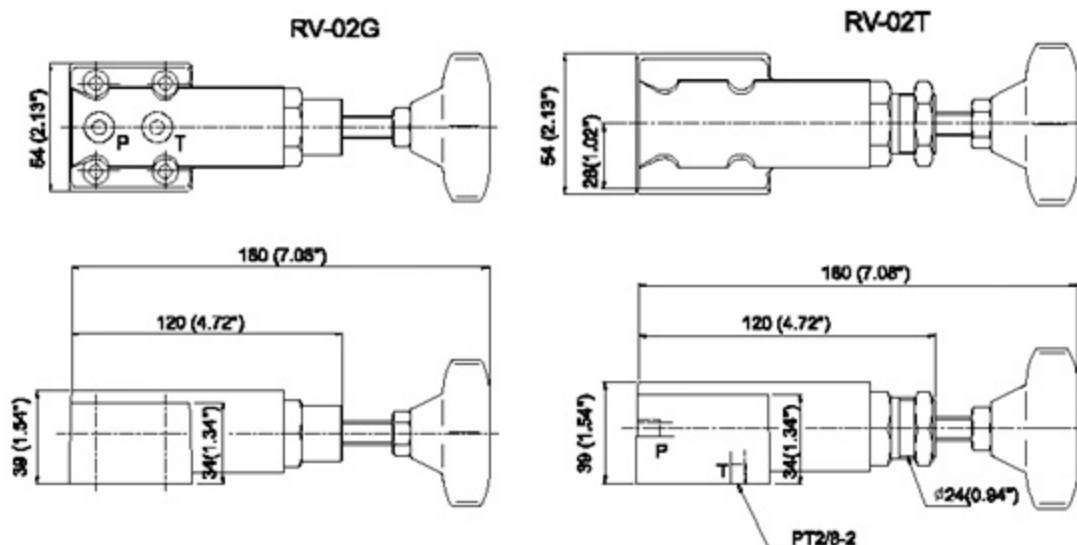


DIRECT TYPE RELIEF VALVES

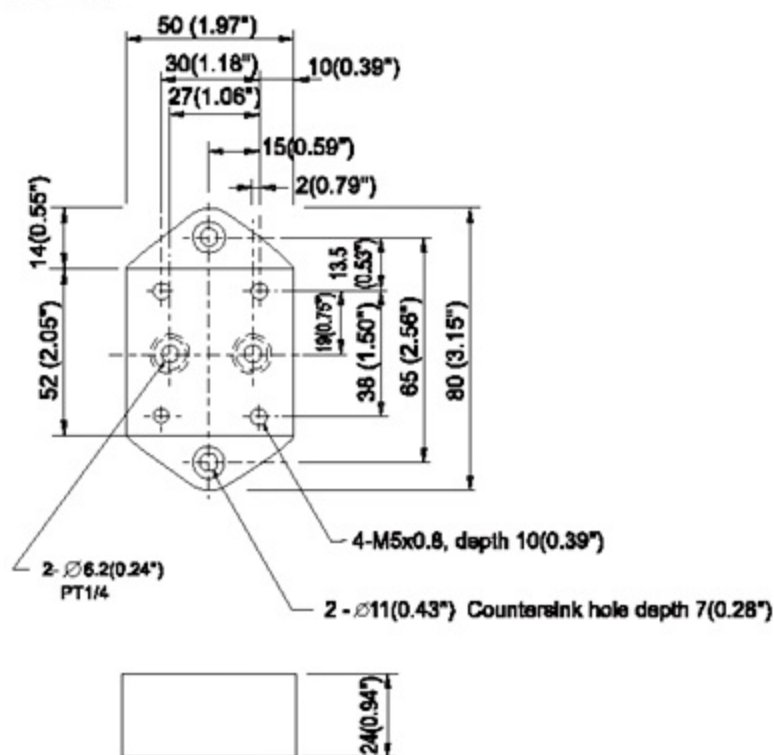
溢流閥

RV SERIES

◆ DIMENSIONS 外形尺寸圖



◆ Mounting Interface 基座尺寸圖



F
RV

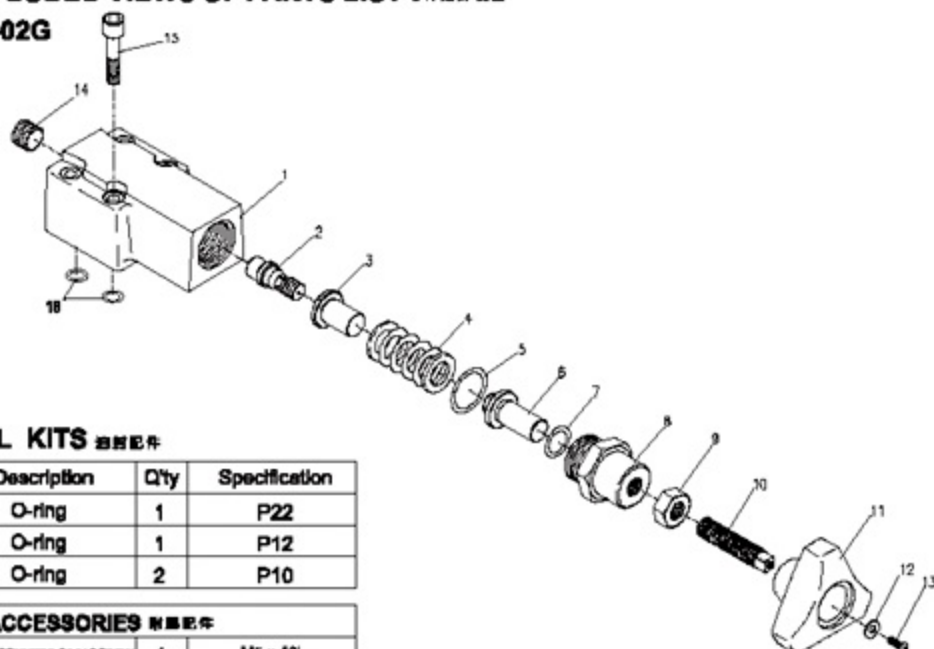
DIRECT TYPE RELIEF VALVES

RV SERIES

溢油閥

◆ EXPLODED VIEWS OF PARTS LIST 零件爆炸圖

RV-02G



◆ SEAL KITS 密封配件

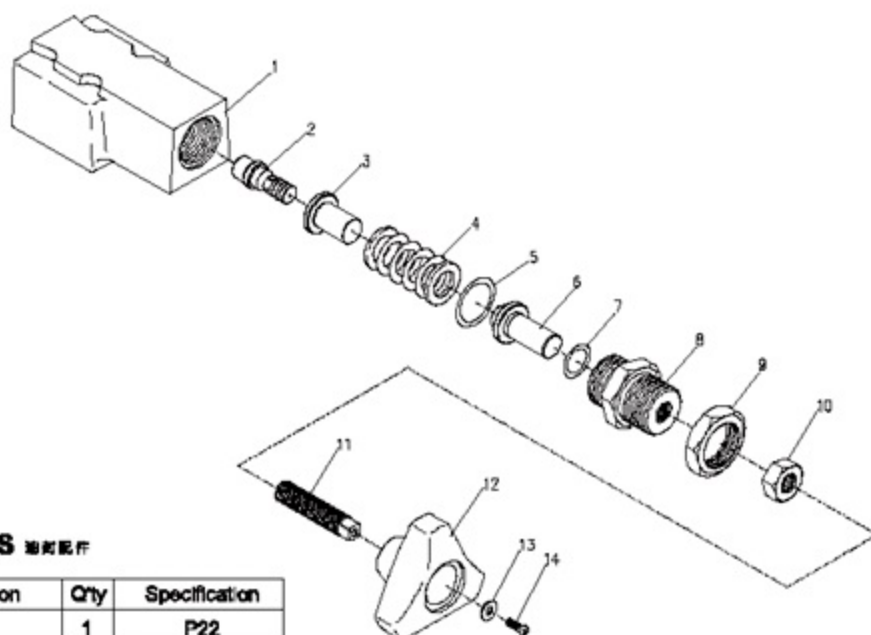
NO	Description	Qty	Specification
6	O-ring	1	P22
7	O-ring	1	P12
16	O-ring	2	P10

ACCESSORIES 附屬配件

15	HEX. COUNTER-SINK SCREW	4	M5 x 40L
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◆ EXPLODED VIEWS OF PARTS LIST 零件爆炸圖

RV-02T



◆ SEAL KITS 密封配件

NO	Description	Qty	Specification
5	O-ring	1	P22
7	O-ring	1	P12

PILOT OPERATED RELIEF VALVES

RV SERIES

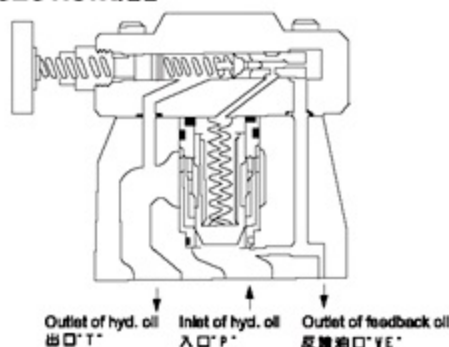
溢流閥

◆ MODEL 型 式

RV-03G, 06G-50



◆ SECTION 剖面圖



◆ FEATURES

- Casting iron bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.

- 特 點
- 機本體鑄鐵強度與耐用性，壽命長。
- 內部硬鋼零件提高壽命。

◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
RV-03G-※-50	250 (3625 psi)	3/8"	100 (26.42 gpm)	4.7 (10.4 lbs)
RV-06G-※-50		3/4"	200 (52.84 gpm)	6 (13.2 lbs)
RV-10G-※-50		1-1/4"	400 (105.678 gpm)	11.5 (25.4 lbs)
Fluid Type 液體型式			ISO VG 32 , 46 , 68	
Viscosity 黏度 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，若需要英制規格請另洽說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6
RV	03	※	3	L	50

1 VALVE SERIES 系列名稱

RV= Relief Valves

2 SUBPLATE MOUNTING SIZE: 額定口徑

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

3 CONNECTING TYPE 連接型式

G: TYPE: BASEPLATE MOUNTING TYPE (板式連接)

4 ADJUSTMENT PRESSURE 壓力調整範圍

1. ※ - 70 bar 2. 8 - 140 bar 3. 8 - 250 bar

5 ORIENTATION 調整方向

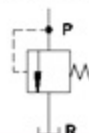
NONE: T ORIENTATION (Standard) 無：T方向(標準型)
L: P ORIENTATION L: P方向

※ See Next Page 參照下頁

6 DESIGN NO 設計編號

50: low noise, pressure regulating valve
50 型-低噪音調壓閥

◆ CONTROL PORT(S) 動作形式



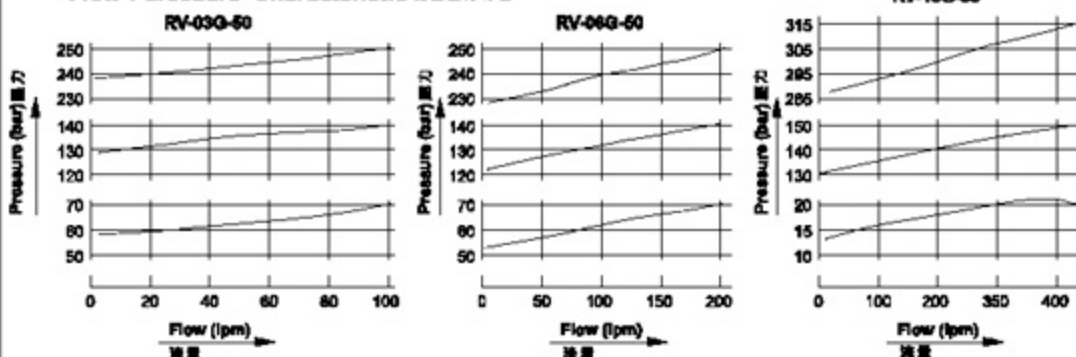
◆ PERFORMANCE 性能

Test Conditions 測試條件

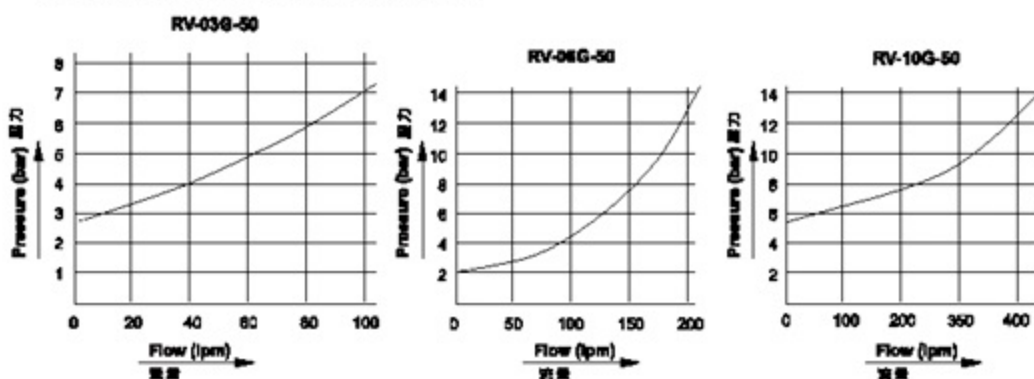
Oil Temperature 油溫: 50°C (122°F)

Viscosity 黏度: 35 cSt (163 SSU)

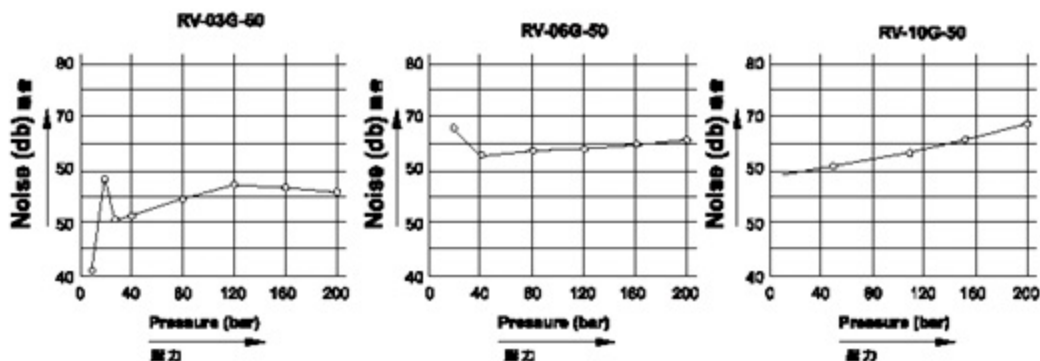
Flow-Pressure Characteristic 流量壓力特性



Minimum Adjustment Pressure 最低調整壓力



Noise Characteristic 噪音特性

 Flow 150 l/min
流量


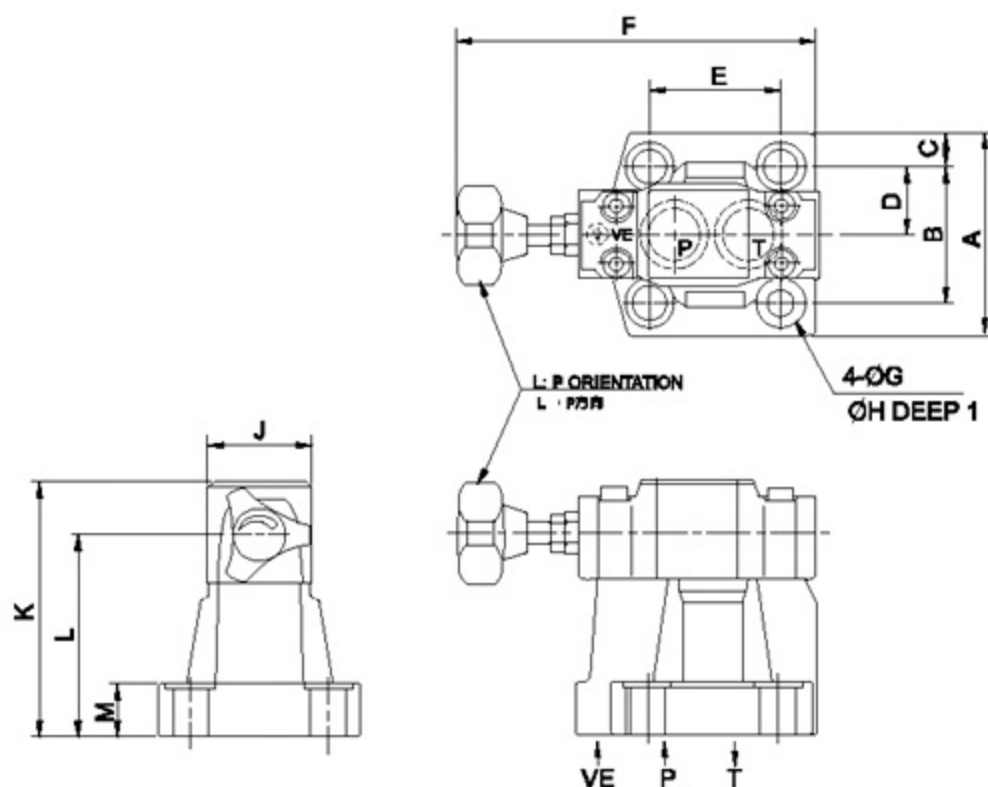
PILOT OPERATED RELIEF VALVES

RV SERIES

溢流閥

◆ DIMENSIONS 外形尺寸圖

RV-03G. 06G. 10G-50



ACCESSORIES 附屬配件

RV-03G-50	HEX COUNTER-SINK SCREW	4	M12 x 40L
RV-06G-50	HEX COUNTER-SINK SCREW	4	M16 x 50L
RV-10G-50	HEX COUNTER-SINK SCREW	4	M20 x 60L

MODEL	A	B	C	D	E	F
RV-03G-50	76(2.99")	53.8(2.12")	11.1(0.44")	26.9(1.06")	53.8(2.12")	171(6.73")
RV-06G-50	104(4.09")	70(2.76")	17(0.67")	35(1.38")	88.7(2.83")	171(6.73")
RV-10G-50	120(4.72")	82.6(3.25")	18.7(0.74")	41.3(1.63")	88.9(3.50")	188(7.40")

MODEL	G	H	J	K	L	M
RV-03G-50	13.5(0.53")	21(0.83")	51(2.0")	126(5.04")	102(4.02")	22(0.87")
RV-06G-50	17.5(0.69")	25(0.98")	51(2.0")	130(5.12")	105(4.13")	27(1.06")
RV-10G-50	21.5(0.85")	32(1.26")	65(2.56")	127(5.0")	135(5.31")	33.5(1.32")

PILOT OPERATED RELIEF VALVES

溢流閥

RV SERIES

◆ MODEL 型 式

RV-03T. 06T. 10T-20



◆ FEATURES

- Casting iron bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.

- 特 點
- 鑄本體鋼質強度好且耐久性・壽命長・
- 內部硬鋼零件提高壽命壽命。

◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
RV-03T- * -20	315 (4500 psi)	3/8"	90 (23.78 gpm)	5.5 (12.1 lbs)
RV-06T- * -20		3/4"	200 (52.84 gpm)	5.5 (12.1 lbs)
RV-10T- * -20		1-1/4"	400 (105.678 gpm)	9 (19.8 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品。若需要英制螺絲請另外備註說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5
RV	03	*	3	20

1 VALVE SERIES 系列名稱

RV= Relief Valves

2 SUBPLATE MOUNTING SIZE: 板口徑

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

3 CONNECTING TYPE 連接型式

T:TYPE:THREADING TYPE (螺紋連接)

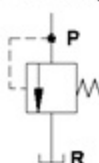
4 ADJUSTMENT PRESSURE 壓力調整範圍

1. * - 70 bar
2. 8 - 140 bar
3. 8 - 250 bar
4. 8 - 315 bar

5 DESIGN NO 設計編號

20: YUKEN specification
20 型-油研規格

◆ CONTROL PORT(S) 動作形式



F
RV

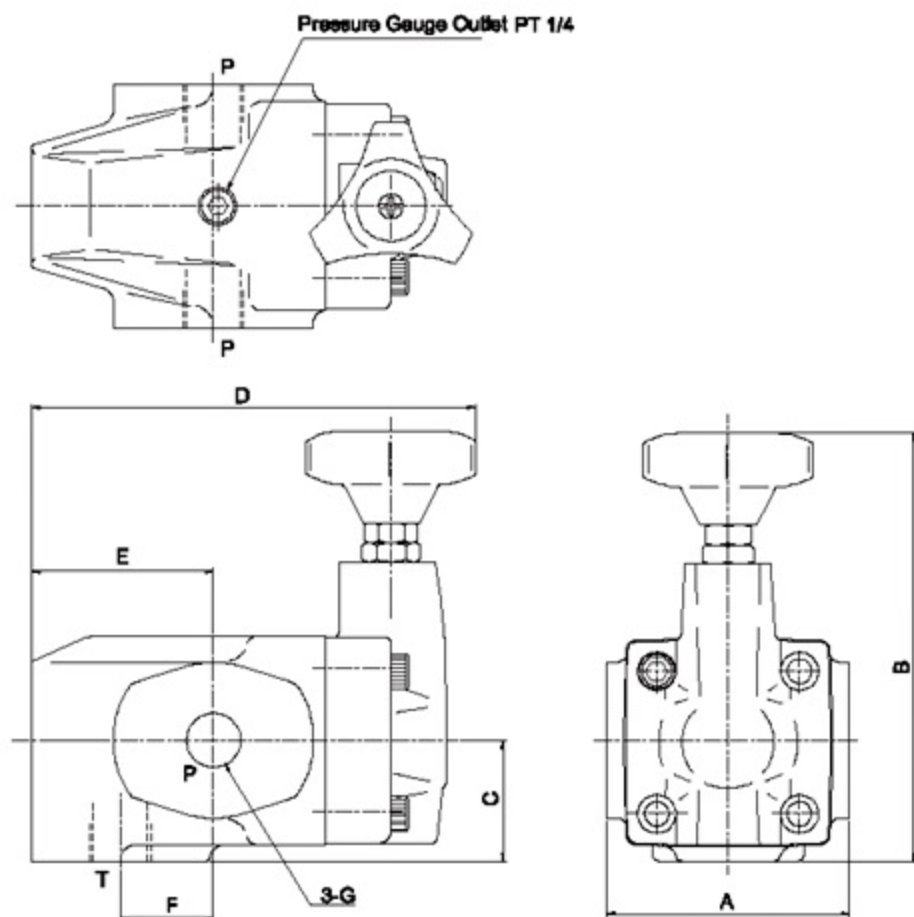
PILOT OPERATED RELIEF VALVES

RV SERIES

溢流閥

◆ DIMENSIONS 外形寸法

RV-03T. 06T. 10T-20



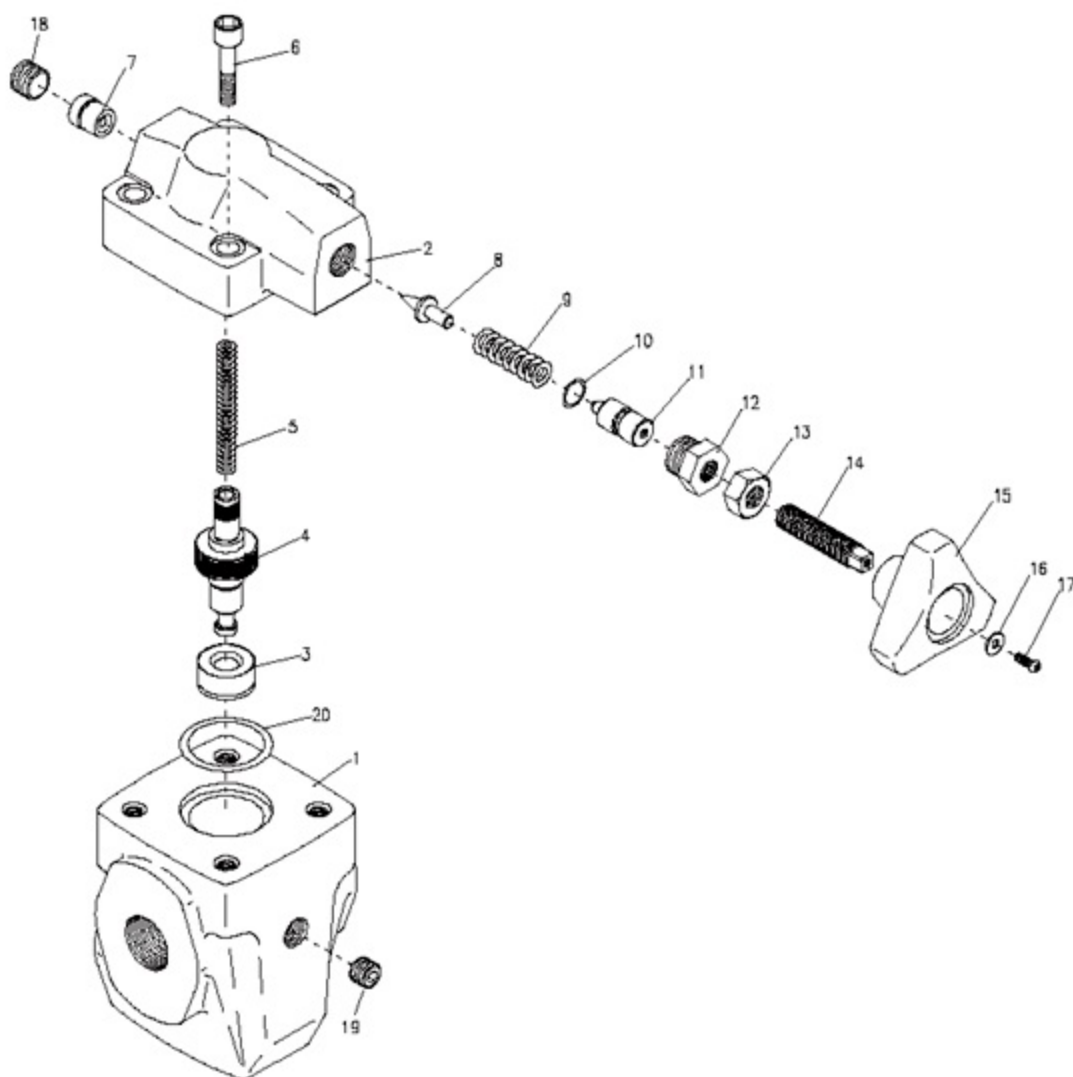
MODEL	A	B	C	D	E	F	G
RV-03T-20	90(3.54")	175(6.89")	48(1.89")	164(6.46")	67(2.64")	35(1.37")	PT3/8
RV-06T-20	90(3.54")	175(6.89")	48(1.89")	164(6.46")	67(2.64")	35(1.37")	PT3/4
RV-10T-20	120(4.72")	186(7.32")	50(1.97")	186(7.32")	89(3.50")	49(1.93")	PT1 1/4

PILOT OPERATED RELIEF VALVES

溢流閥

RV SERIES

◆ EXPLODED VIEWS OF PARTS LIST 爆炸圖及零件清單 RV-03T, 06T, 10T



◆ ACCESSORIES 附件

RV-03T / RV-06T			
NO	Description	Qty	Specification
10	O-ring	1	P8
20	O-ring	1	P31

RV-10T			
NO	Description	Qty	Specification
10	O-ring	1	P8
20	O-ring	1	P42

F
RV

PILOT OPERATED RELIEF VALVES

溢流閥

RV SERIES

◆ MODEL 型 式 RV-06G



◆ FEATURES

- Casting iron bodies are provide strength and durability for longer life.
- Internal hardened steel components also provide longer life.

- 特 點
- 因本閥閥體強度好且耐久，壽命長。
- 內部硬鋼零件提高產品壽命。

◆ SPECIFICATIONS 規 格

Model Number 型 式 號 碼	Maximum Pressure 最大壓力 bar	Connecting PT 連 接 管 徑	Maximum Flow 最大流量 lpm	Weight 重 量 Kg
RV-03G-※-30	315 (4500 psi)	3/8"	90 (23.78 gpm)	5.6 (12.3 lbs)
RV-04G-※-30			50 (23.78 gpm)	5.1 (11.2 lbs)
RV-04T-※-30		1/2"		2.8 (6.17 lbs)
RV-06G-※-30			200 (52.84 gpm)	6.9 (15.2 lbs)
RV-06T-※-30		3/4"		4.5 (9.9 lbs)
RV-10G-※-30			400 (105.678 gpm)	10.5 (23.1 lbs)
RV-10T (Mark 註)		1-1/4"		9.5 (20.9 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: 21/18/16 NAS1638,10		

※Mark:10T is not in form type 30 ※(註) 10T沒有生產30型

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

※附屬零件均為公制標準規格品，若需英制規格請另外備註說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5
RV	03	*	3	30

1 VALVE SERIES 系列名稱
RV= Relief Valves

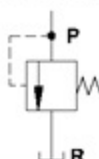
2 SUBPLATE MOUNTING SIZE: 接口口徑
03 = 3/8"(9mm) ISO CETOP5
DIN NG 10 NFPA D05
06 = 3/4"(19mm) ISO CETOP8
DIN NG 25 NFPA D08
10 = 1 1/4"(31.8mm) ISO CETOP10
DIN NG 32 NFPA D10

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

4 ADJUSTMENT PRESSURE 壓力調整範圍
1. * - 70 bar
2. 8 - 140 bar
3. 8 - 250 bar
4. 8 - 315 bar

5 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



F
RV

PILOT OPERATED RELIEF VALVES

RV SERIES

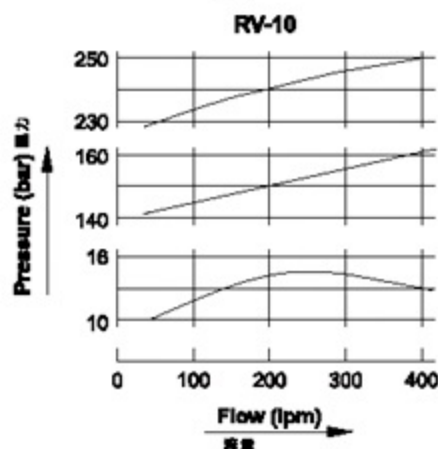
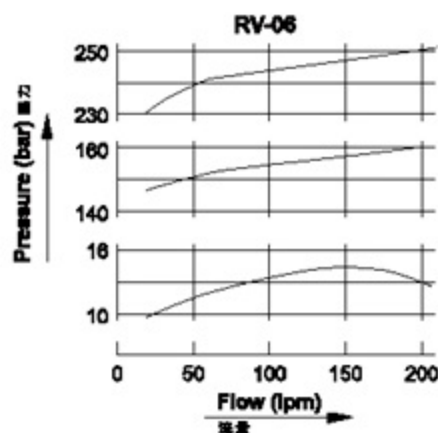
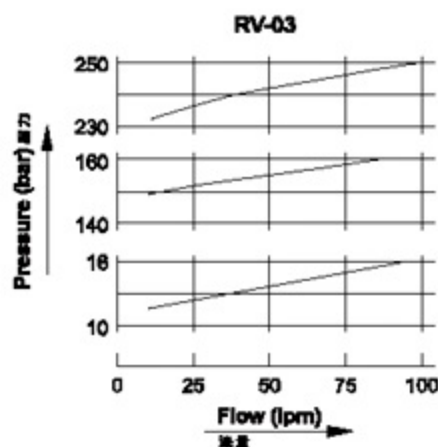
溢流閥

◆ PERFORMANCE 性能

Test Conditions 試驗條件

Oil Temperature 油溫: 50°C (122°F)

Viscosity 黏度: 35 cSt (163 SSU)

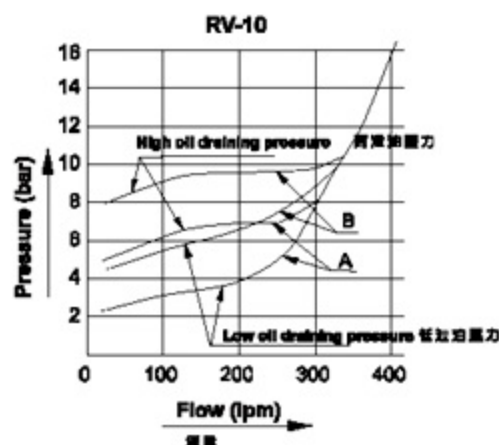
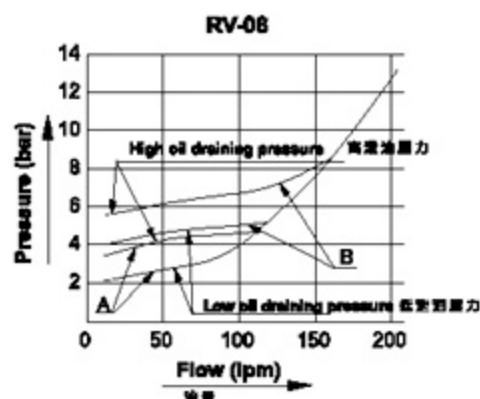
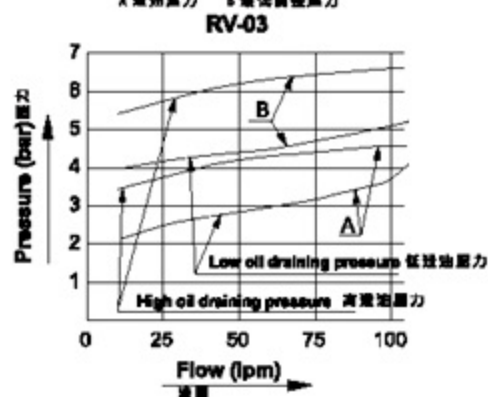


The minimum regulating pressure, oil draining pressure and flow curve

A: oil draining pressure B: minimum regulating pressure

最低調壓壓力及泄油壓力與流量曲線

A: 泄油壓力 B: 最低調壓壓力



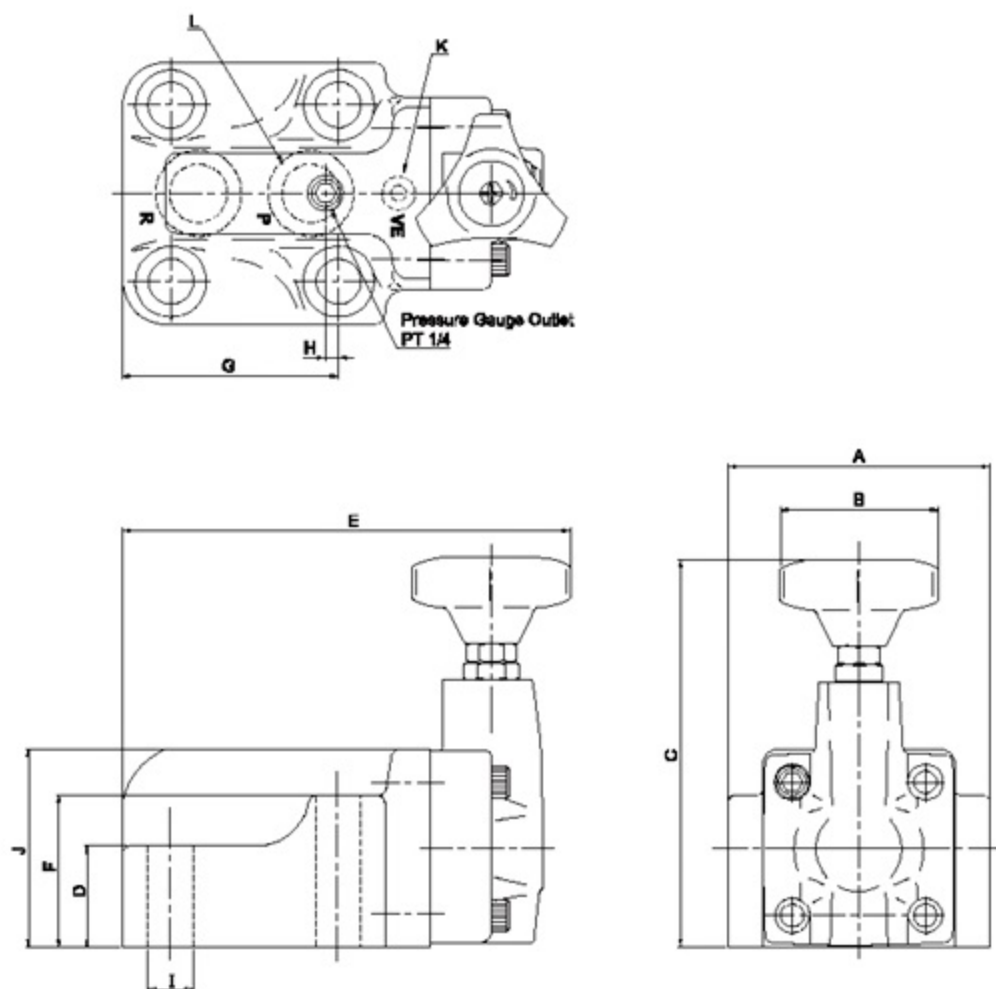
PILOT OPERATED RELIEF VALVES

溢流閥

RV SERIES

◆ DIMENSIONS 外形寸法

RV-03G, 06G, 10G



MODEL	A	B	C	D	E	F	G	H	I	J
RV-03G	84(3.31")	58(2.28")	170(6.69")	57(2.24")	150(5.91")	77(3.03")	77(3.03")	21(0.83")	13(0.51")	-
RV-06G	105(4.13")	58(2.28")	170(6.69")	40(1.57")	178(7.01")	90(3.54")	88(3.49")	4.5(0.18")	18(0.71")	78(3.07")
RV-10G	127(5.0")	58(2.28")	170(6.69")	49(1.93")	210(8.27")	87(3.43")	110(4.33")	6(0.24")	22(0.87")	87(3.43")

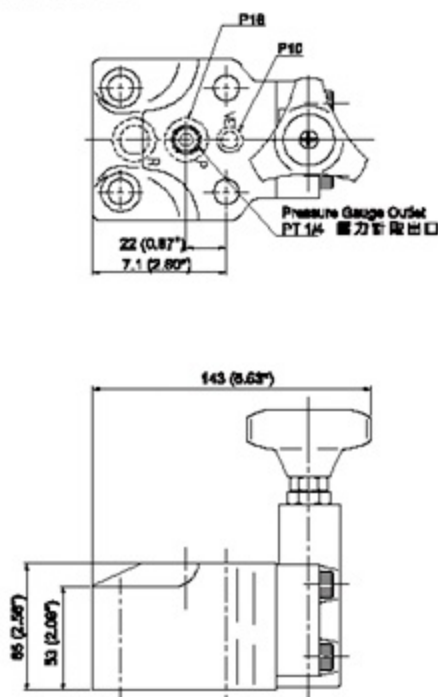
PILOT OPERATED RELIEF VALVES

RV SERIES

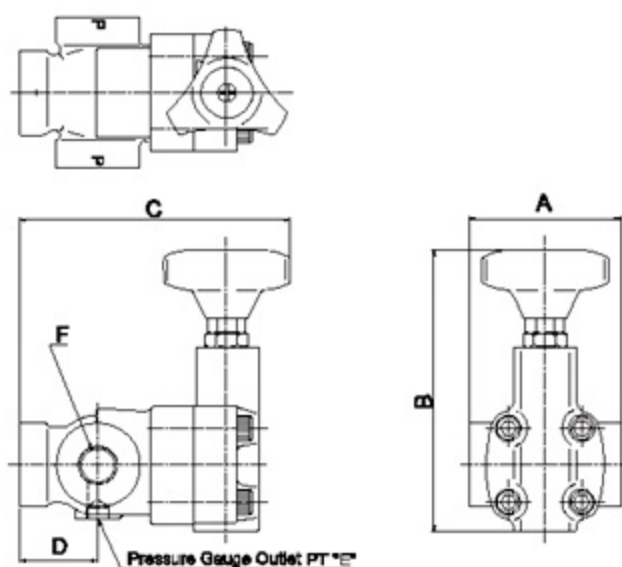
溢流閥

◆ DIMENSIONS 外形尺寸圖

RV-04G



RV-04T, 06T-30



MODEL	A	B	C	D	E	F
RV-04T	78(3.07")	156(6.14")	135(5.31")	38(1.54")	PT1/4	PT1/2
RV-06T	138(5.43")	170(6.69")	145(5.71")	52(2.05")	PT1/4	PT3/4

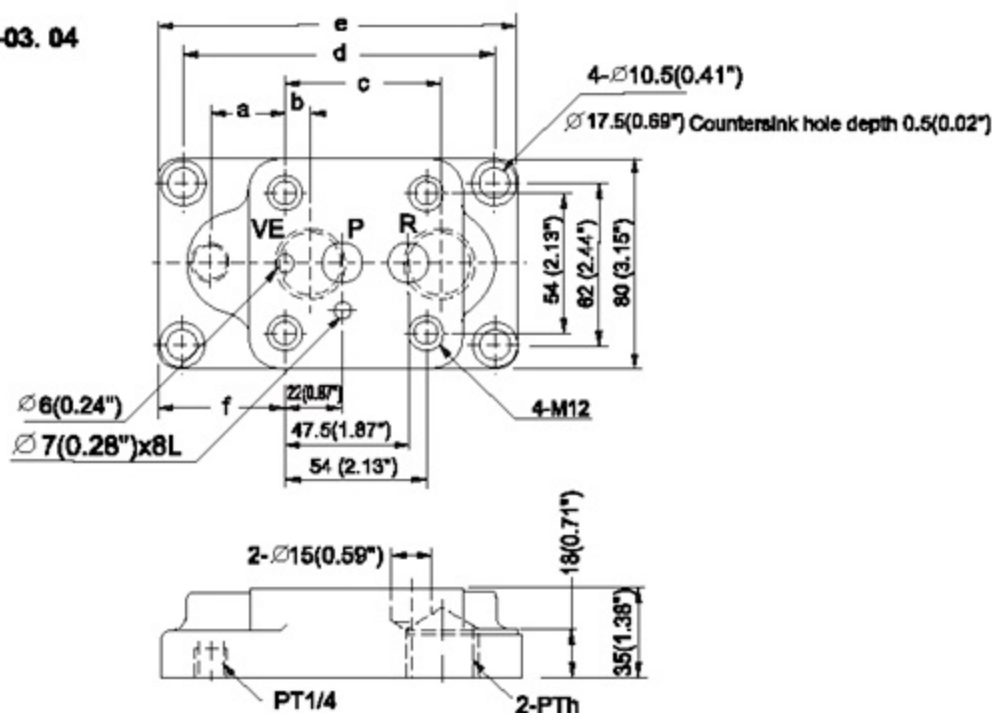
PILOT OPERATED RELIEF VALVES

※注記

RV SERIES

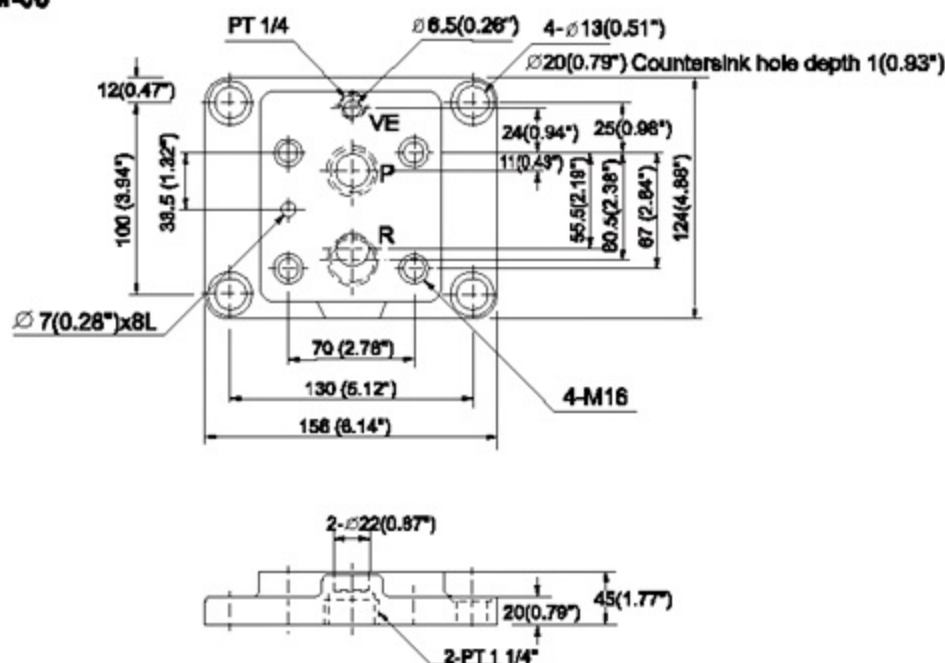
◆ Mounting Interface 基準寸法

RVM-03. 04



◆ Mounting Interface 基準寸法

RVM-06



F
RV

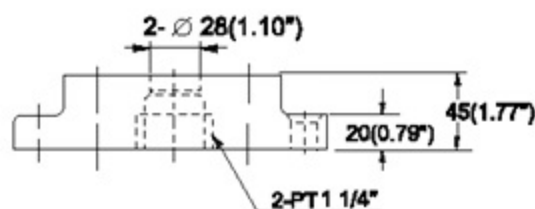
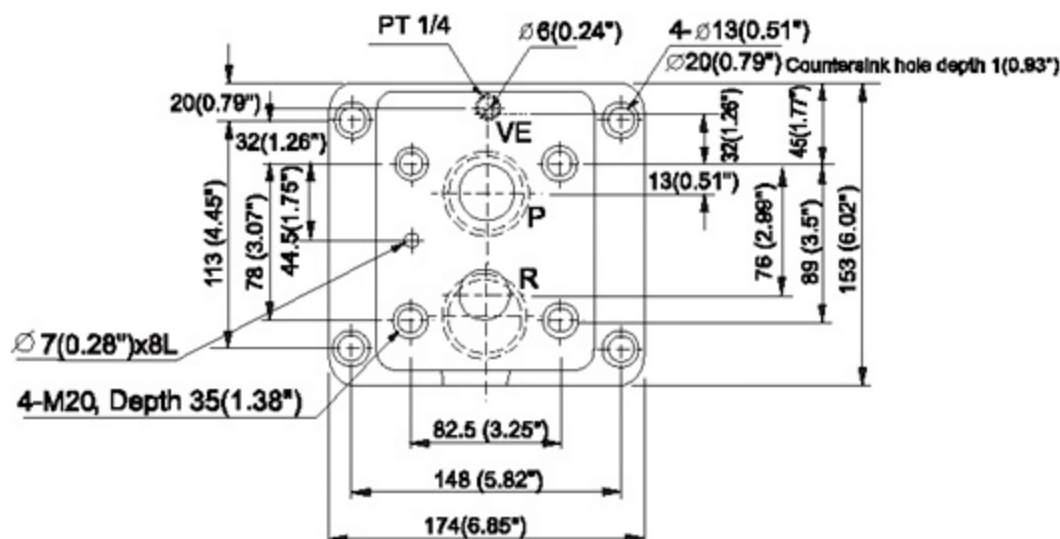
PILOT OPERATED RELIEF VALVES

RV SERIES

溢流閥

◆ Mounting Interface 安裝界面

RVM-10



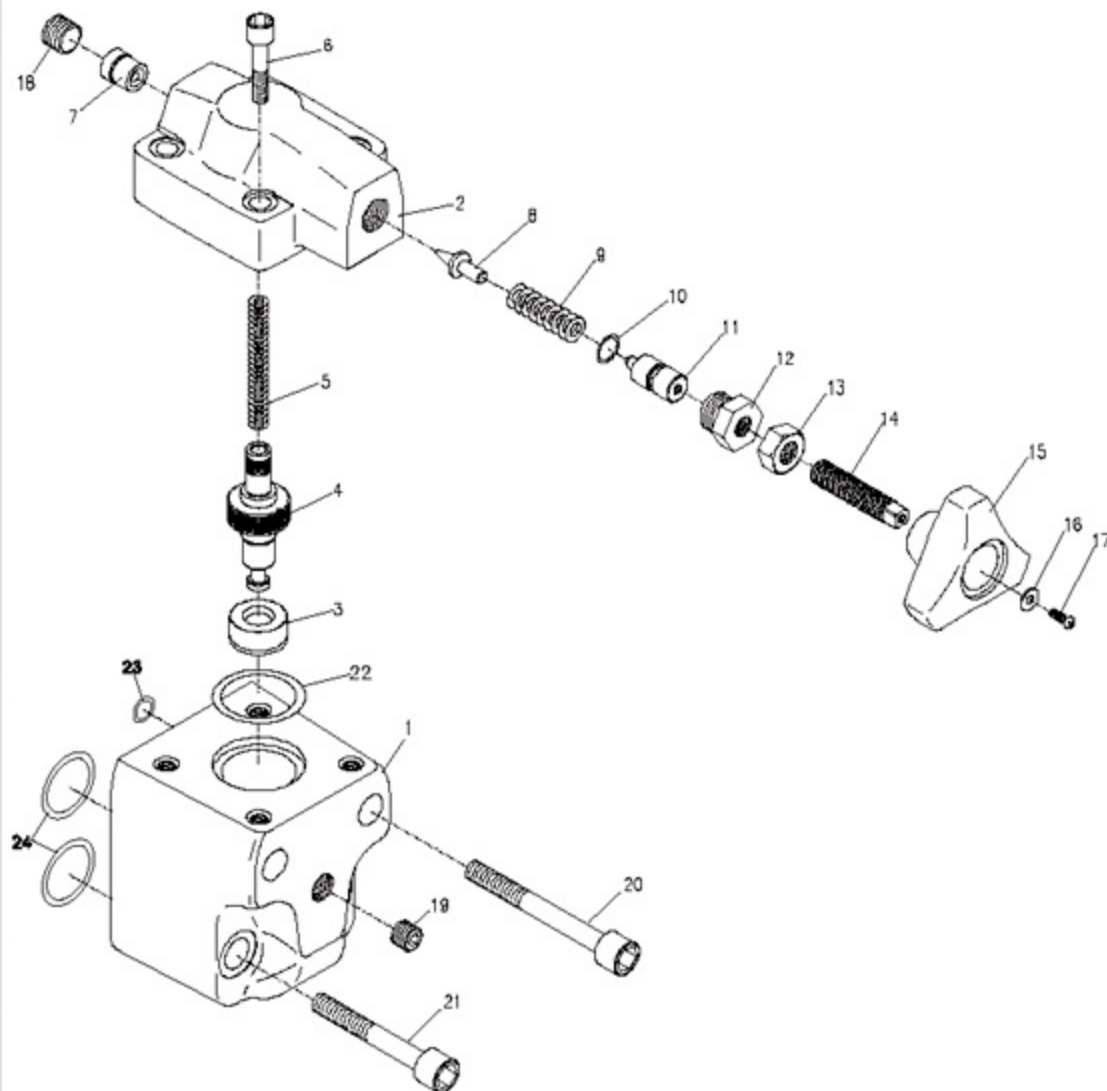
PILOT OPERATED RELIEF VALVES

溢流閥

RV SERIES

◆ EXPLODED VIEWS OF PARTS LIST 爆炸圖及零件清單

RV-03G. 06G. 10G



◆ ACCESSORIES 附件

RV-03G			
NO	Description	Qty	Specification
10	O-ring	1	P8
20	HEX COUNTER-BANK SCREW	2	M12 x 90L
21	HEX COUNTER-BANK SCREW	2	M12 x 70L
22	O-ring	1	P31
23	O-ring	1	P10
24	O-ring	2	P18

RV-06G			
NO	Description	Qty	Specification
10	O-ring	1	P8
20	HEX COUNTER-BANK SCREW	2	M16 x 70L
21	HEX COUNTER-BANK SCREW	2	M16 x 50L
22	O-ring	1	P31
23	O-ring	1	P10
24	O-ring	2	P28

RV-10G			
NO	Description	Qty	Specification
10	O-ring	1	P8
20	HEX COUNTER-BANK SCREW	2	M20 x 90L
21	HEX COUNTER-BANK SCREW	2	M20 x 70L
22	O-ring	1	P42
23	O-ring	1	P10
24	O-ring	2	P40

F
RV

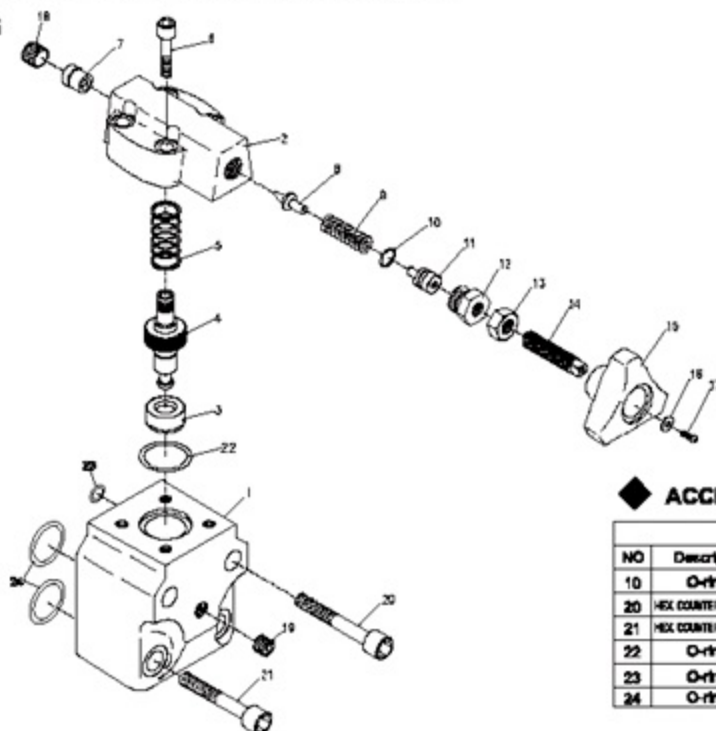
PILOT OPERATED RELIEF VALVES

RV SERIES

溢流閥

◆ EXPLODED VIEWS OF PARTS LIST 零件爆炸視圖

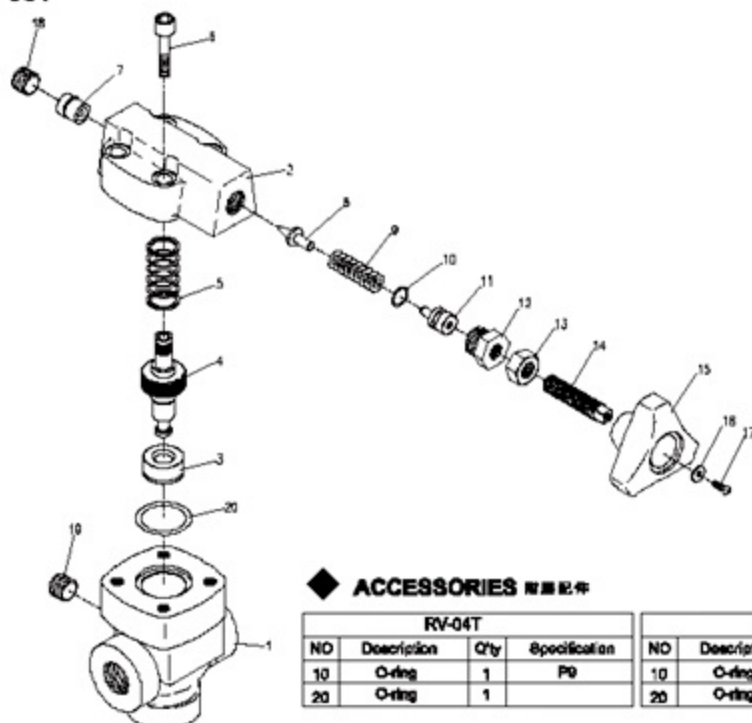
RV-04G



◆ ACCESSORIES 附屬配件

RV-04G			
NO	Description	Qty	Specification
10	O-ring	1	P9
20	M12x75L	2	
21	M12x65L	2	
22	O-ring	1	
23	O-ring	1	P10
24	O-ring	2	P18

RV-04T. 06T



◆ ACCESSORIES 附屬配件

RV-04T				RV-06T			
NO	Description	Qty	Specification	NO	Description	Qty	Specification
10	O-ring	1	P9	10	O-ring	1	P9
20	O-ring	1		20	O-ring	1	P31

BACK VALVES

RVC SERIES

背壓閥

◆ MODEL 型 式

RVC-06G



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
RVC-03G	315 (4500 psi)	3/8"	90 (23.78 gpm)	7 (15.4 lbs)
RVC-06G		3/4"	200 (52.84 gpm)	11.2 (24.7 lbs)
RVC-10G		1-1/4"	400 (105.678 gpm)	18.6 (41.0 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.

所有螺絲皆為公制螺絲規格，若有英制螺絲請另外備註說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5
RVC	06	G	3	30

1 VALVE SERIES 系列名稱

RVC= Back Valves

2 SUBPLATE MOUNTING SIZE: 額定口徑

03 = 3/8"(9mm) 06 = 3/4"(19mm)
ISO CETOP5 ISO CETOP8
DIN NG 10 DIN NG 25
NFFA D05 NFFA D08

10 = 1 1/4"(31.8mm)
ISO CETOP10
DIN NG 32
NFFA D10

3 CONNECTING TYPE 連接型式

G: TYPE: BASEPLATE MOUNTING TYPE (板式連接)

4 PRESSURE ADJUSTMENT 壓力調整範圍

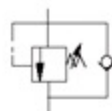
1. 0 - 70 bar 2. 0 - 140 bar 3. 0 - 250 bar

5 DESIGN NO 設計編號

◆ ACCESSORIES 附屬配件

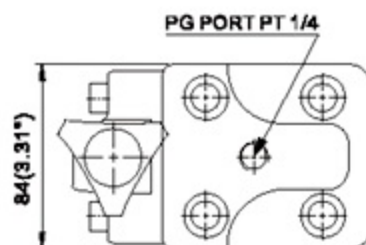
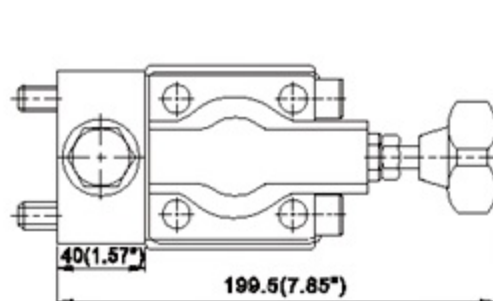
MODEL 型 式	SOCHOL CAP SCREW 安裝螺絲 (HEX COUNTER-SINK SCREW) 六角內六角螺絲	
RVC-03G	M12 x110L	2
	M12 x135L	2
RVC-06G	M16 x120L	2
	M16 x140L	2
RVC-10G	M20 x145L	2
	M20 x165L	2

◆ CONTROL PORT(S) 動作形式

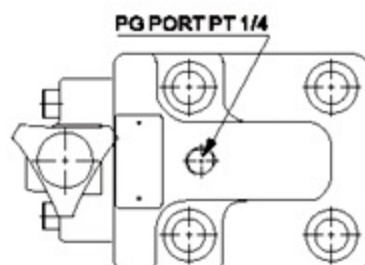
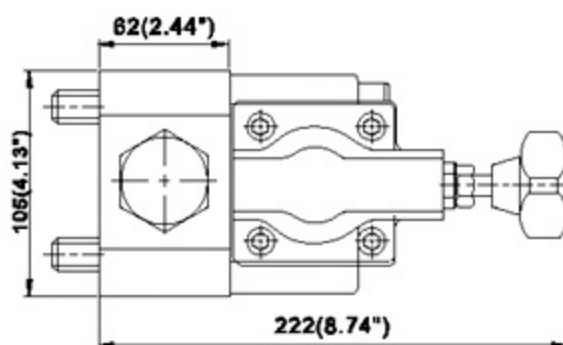


◆ DIMENSIONS 外形尺寸圖

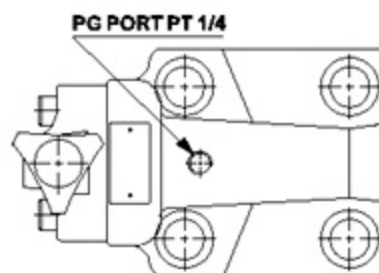
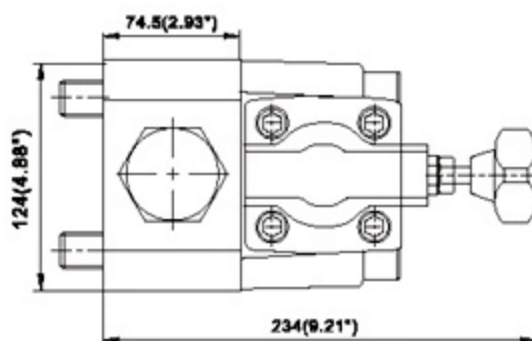
RVC-03G



RVC-06G



RVC-10G



● The install size of valve pieces refer the base seat drawing of type RVM-03, 06, 10.

● 圖中安裝尺寸參見RVM-03, 06, 10型座圖

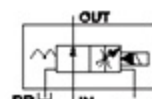
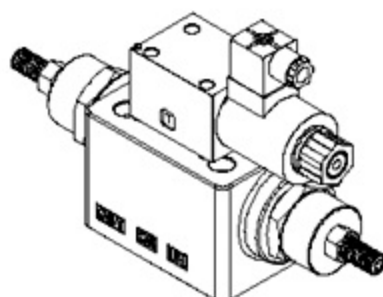
SOLENOID OPERATED FLOW CONTROL VALVES

電磁流量控制閥

SF SERIES

◆ MODEL 型 式

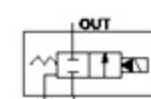
SF-03G



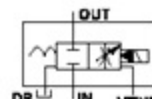
SF



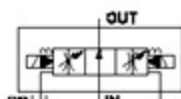
THF



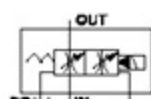
SD



SDF



SKF



SFD

◆ SPECIFICATIONS 規 格

Model Number 型 式 號 碼	Maximum Pressure 最大壓力 bar	Connecting PT 接 口 管 徑	Maximum Flow 最大流量 lpm	Weight 重 量 Kg	SOLENOID VALVES 電 磁 閥
SF -03G	250 (3625 PSI)	3/4"	50 (13.20 gpm)	4.2(9.259 lbs)	WE-2B2L-02G
SDF-03G				4.2(9.259 lbs)	WE-2B2-02G
THF-03G				3 (6.614 lbs)	
SD -03G				4.2(9.259 lbs)	WE-2B2-02G
SFD-03G				4.2(9.259 lbs)	WE-2B2L-02G
SKF-03G				4.8(10.141 lbs)	WE-3C4-02G
Fluid Type 液 體 類 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 等 級			ISO4406. 21/19/16 NAS1638.10		

● All screws with metric measure, if require inch measure, please contact us.
所有螺絲皆為公制螺絲規格，若需英制螺絲請另外備註說明。

◆ HOW TO ORDER 如何訂貨

1	2	3	4	5
SKF	03	G	**	30

1 VALVE SERIES 系列名稱

SKF= Solenoid Operated Flow Controlled Valves
電磁流量控制閥

2 SUBPLATE MOUNTING SIZE: 安裝口徑

03=3/8"(9mm)
ISO CETOP5
DIN NG 10
NPPA D06

3 CONNECTING TYPE 連接形式

G:TYPE-BASEPLATE MOUNTING TYPE (板式安裝)

4 TYPE OF COIL 電磁線圈類型

A1:AC110 A2:AC220
D1:DC12 D2:DC24
R1:RF110 R2:RF220

5 DESIGN NO 設計編號

20:WIRING BOX TYPE (線盒式)
30:DIN TYPE (DIN型)

◆ ACCESSORIES (G TYPE) 附件(板式安裝)

MODEL NO. 型式號碼	SOC HOL CAP SCREW 鎖固六角承頂螺絲
SF-03G	M6x85L 4pcs

F
SF

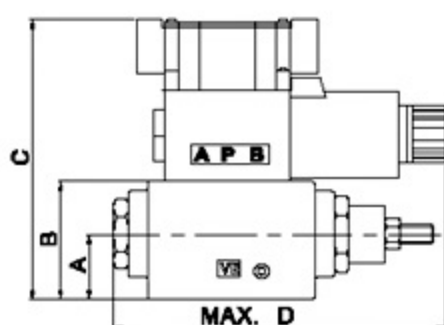
SOLENOID OPERATED FLOW CONTROL VALVES

SF SERIES

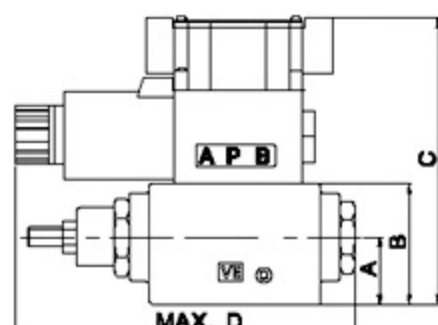
電磁流量控制閥

◆ DIMENSIONS 外形尺寸圖

SF-03G

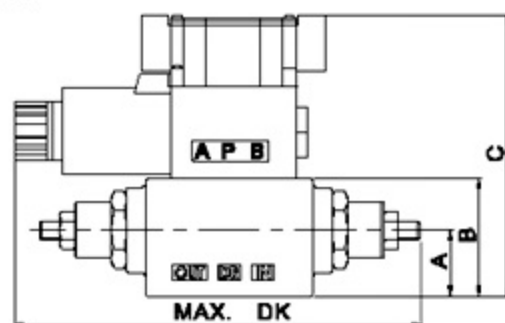


SDF-03G



◆ DIMENSIONS 外形尺寸圖

SKF-03G

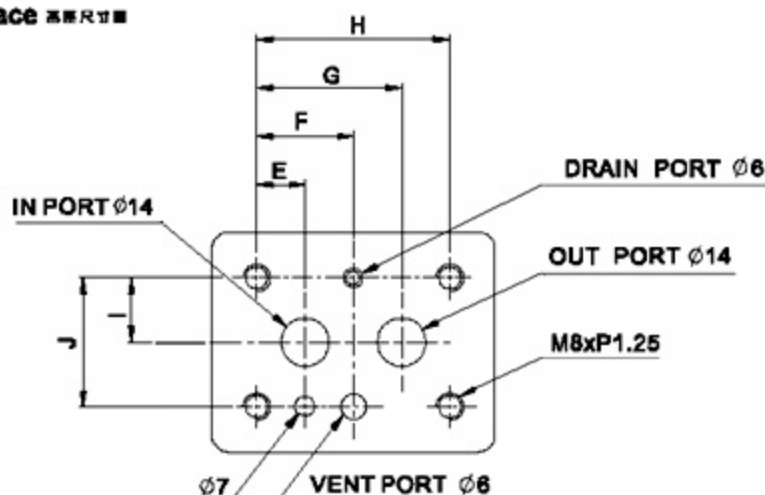


◆ Mounting Interface 安裝尺寸圖

SF - 03G

SDF-03G

SKF-03G



A	B	C	D	DK	E	F	G
34.5 (1.358")	62 (2.441")	147 (5.787")	174.8 (6.884")	212.85 (8.38")	15 (0.591")	30 (1.181")	45 (1.772")

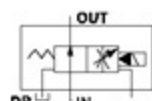
H	I	J
60 (2.362")	20 (0.787")	40 (1.575")

SOLENOID OPERATED FLOW CONTROL VALVES

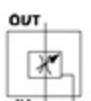
電磁流量控制閥

SF SERIES

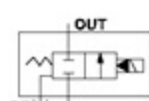
MODEL 型式 SF-06G



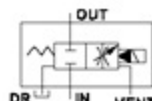
SF



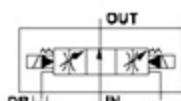
THF



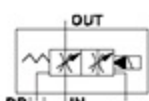
SD



SDF



SKF



SFD

SPECIFICATIONS 規格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg	SOLENOID VALVES 電磁閥
SF - 06G	250 (3625 PSI)	3/4"	120 (31.70 gpm)	6.4(14.1 lbs)	WE-2B2L-02G
SDF-06G				6.4(14.1 lbs)	WE-2B2-02G
THF-06G				5.0(11.0 lbs)	
SD - 06G				6.1(13.4 lbs)	WE-2B2-02G
SFD-06G				6.7(14.8 lbs)	WE-2B2L-02G
SKF-06G				7.5(16.5 lbs)	WE-3C4-02G
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品，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
SF	06	G	**	30

1 VALVE SERIES 系列名稱
SF=Solenoid Operated Flow Control Valves

2 SUBPLATE MOUNTING SIZE: 板基口徑

06= 3/4"(19mm)
ISO CETOP8
DIN NG 25
NFPA D08

3 CONNECTING TYPE 連接型式
G:TYPE:BASEPLATE MOUNTING TYPE (板式連接)

4 TYPE OF COIL 電磁鐵種類

A1:AC110 A2:AC220
D1:DC12 D2:DC24
R1:RF110 R2:RF220

5 DESIGN NO 設計編號

20:WIRING BOX TYPE (接線盒式)
30:DIN TYPE DIN

ACCESSORIES (G TYPE) 所需配件(板式連接)

MODEL NO. 型式號碼	SOC HOL CAP SCREW 圓頭六角承窩螺絲
SF-06	M10x45L 4pcs

F
SF

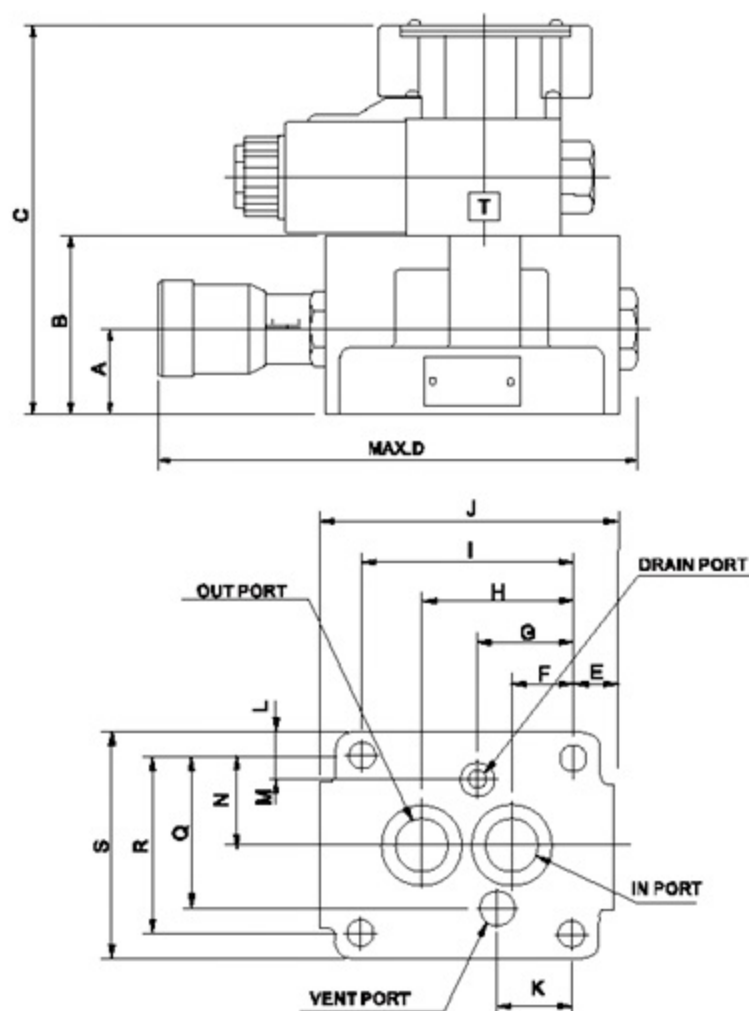
SOLENOID OPERATED FLOW CONTROL VALVES

SF SERIES

電磁流量控制閥

◆ DIMENSIONS 外形尺寸圖

SF-06G



MODEL	A	B	C	D	E	F	G
SF-06G	35(1.38")	75(2.95")	162.5(6.40")	209(8.23")	17.5(0.69")	28(1.02")	40.5(1.59")

MODEL	H	I	J	K	L	M	N
SF-06G	64(2.52")	90(3.54")	125(4.92")	31.7(1.25")	10.5(0.41")	10(0.39")	37(1.46")

MODEL	Q	R	S
SF-06G	64(2.52")	74(2.91")	95(3.74")

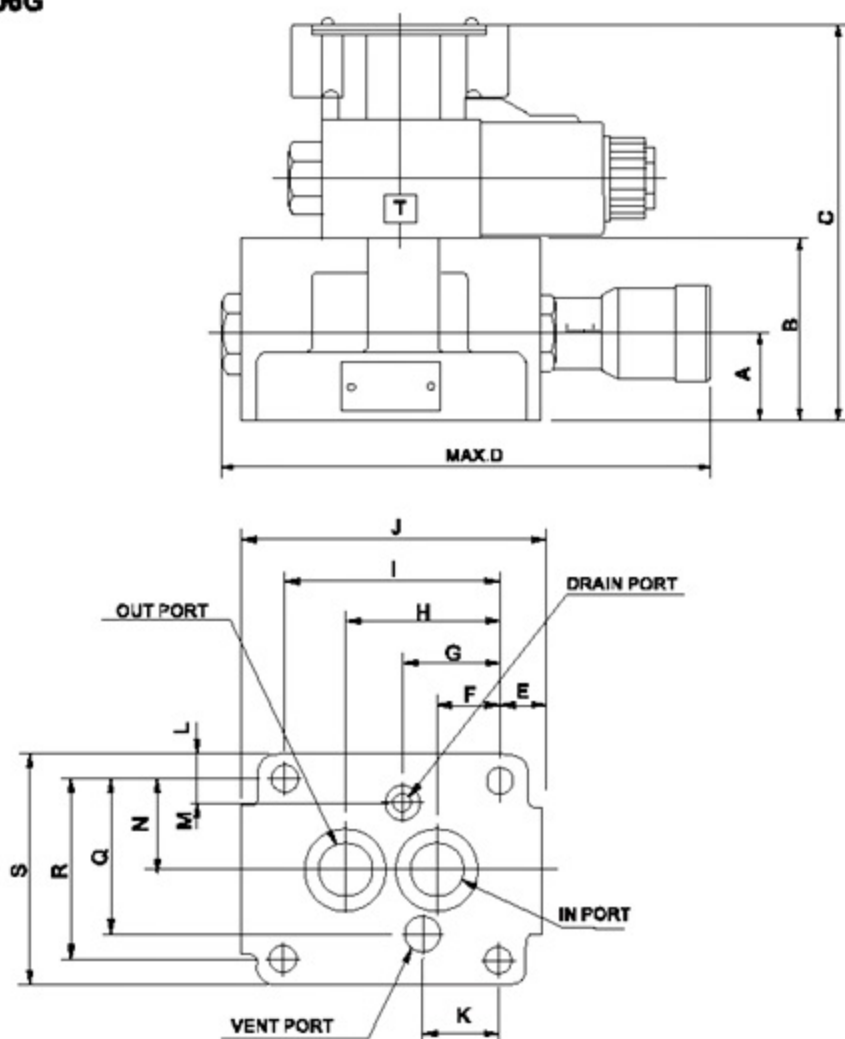
SOLENOID OPERATED FLOW CONTROL VALVES

電磁流量控制閥

SF SERIES

◆ DIMENSIONS 外形尺寸圖

SDF-06G



MODEL	A	B	C	D	E	F	G
SDF-06G	35(1.38")	75(2.95")	162.5(6.40")	209(8.23")	17.5(0.69")	26(1.02")	40.5(1.59")

MODEL	H	I	J	K	L	M	N
SDF-06G	64(2.52")	90(3.54")	125(4.92")	31.7(1.25")	10.5(0.41")	10(0.39")	37(1.46")

MODEL	Q	R	S
SDF-06G	64(2.52")	74(2.91")	95(3.74")

F
SF

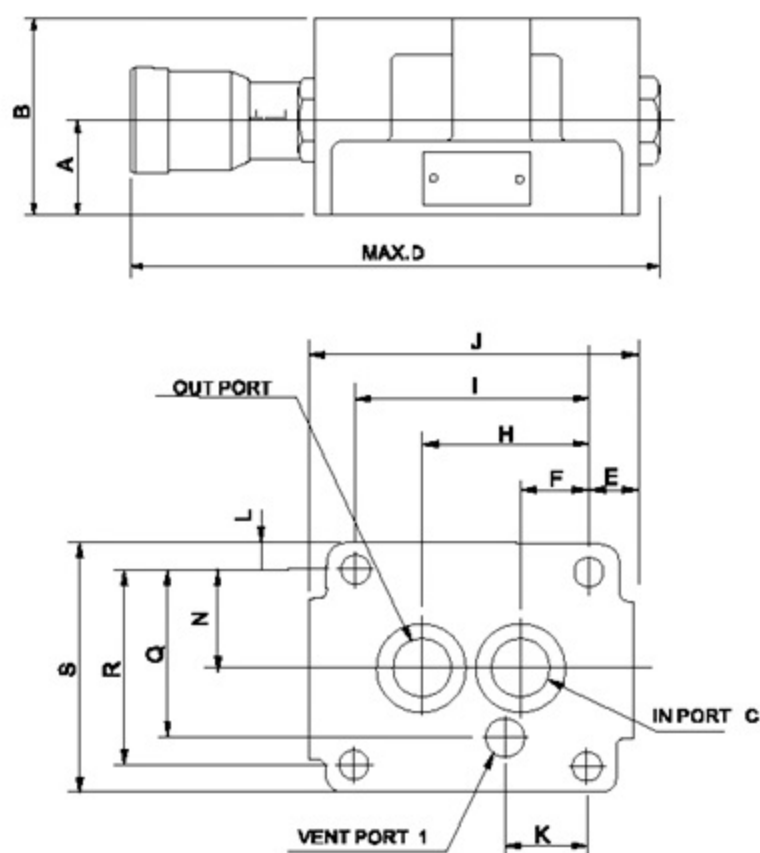
SOLENOID OPERATED FLOW CONTROL VALVES

SF SERIES

電磁流量控制閥

◆ DIMENSIONS 外形尺寸圖

THF-06G



MODEL	A	B	C	D	E	F	H
THF-06G	35(1.38")	75(2.95")	28(1.02")	209(8.23")	17.5(0.69")	28(1.02")	64(2.52")

MODEL	I	J	K	L	N	Q	R
THF-06G	90(3.54")	125(4.92")	31.7(1.25")	10.5(0.41")	37(1.46")	64(2.52")	74(2.91")

MODEL	S
THF-06G	95(3.74")

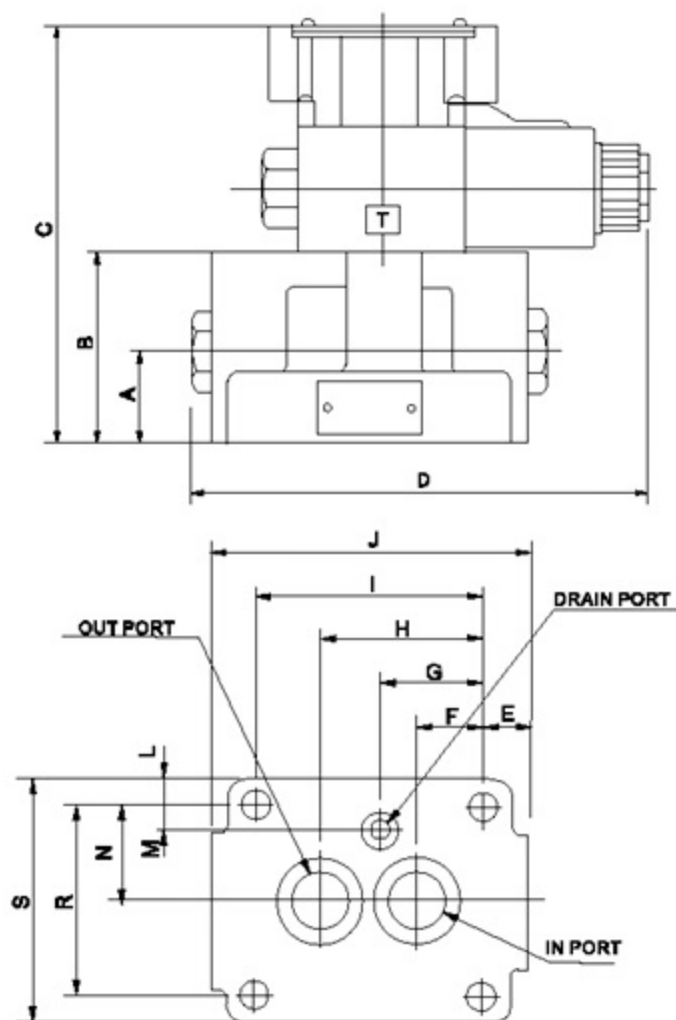
SOLENOID OPERATED FLOW CONTROL VALVES

電磁流量調節閥

SF SERIES

◆ DIMENSIONS 外形尺寸圖

SD-06G



MODEL	A	B	C	D	E	F	G
SD-06G	35(1.38")	75(2.95")	162.5(6.40")	180(7.09")	17.5(0.69")	26(1.02")	40.5(1.59")

MODEL	H	I	J	L	M	N	R
SD-06G	64(2.52")	90(3.54")	125(4.92")	10.5(0.41")	10(0.39")	37(1.46")	74(2.91")

MODEL	S
SD-06G	95(3.74")

F
SF

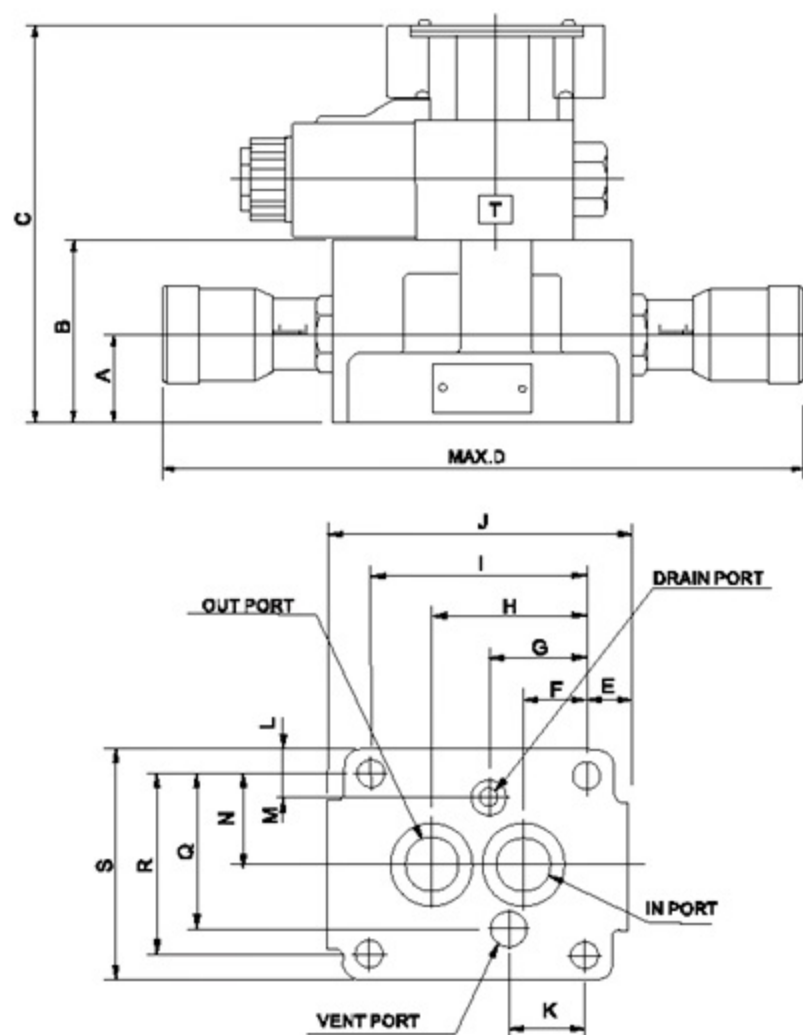
SOLENOID OPERATED FLOW CONTROL VALVES

SF SERIES

電磁流量控制閥

◆ DIMENSIONS 外形尺寸圖

SFD-06G



MODEL	A	B	C	D	E	F	G
SFD-06G	35(1.38")	75(2.95")	162.5(6.40")	277(10.91")	17.5(0.69")	26(1.02")	40.5(1.59")

MODEL	H	I	J	K	L	M	N
SFD-06G	64(2.52")	90(3.54")	125(4.92")	31.7(1.25")	10.5(0.41")	10(0.39")	37(1.46")

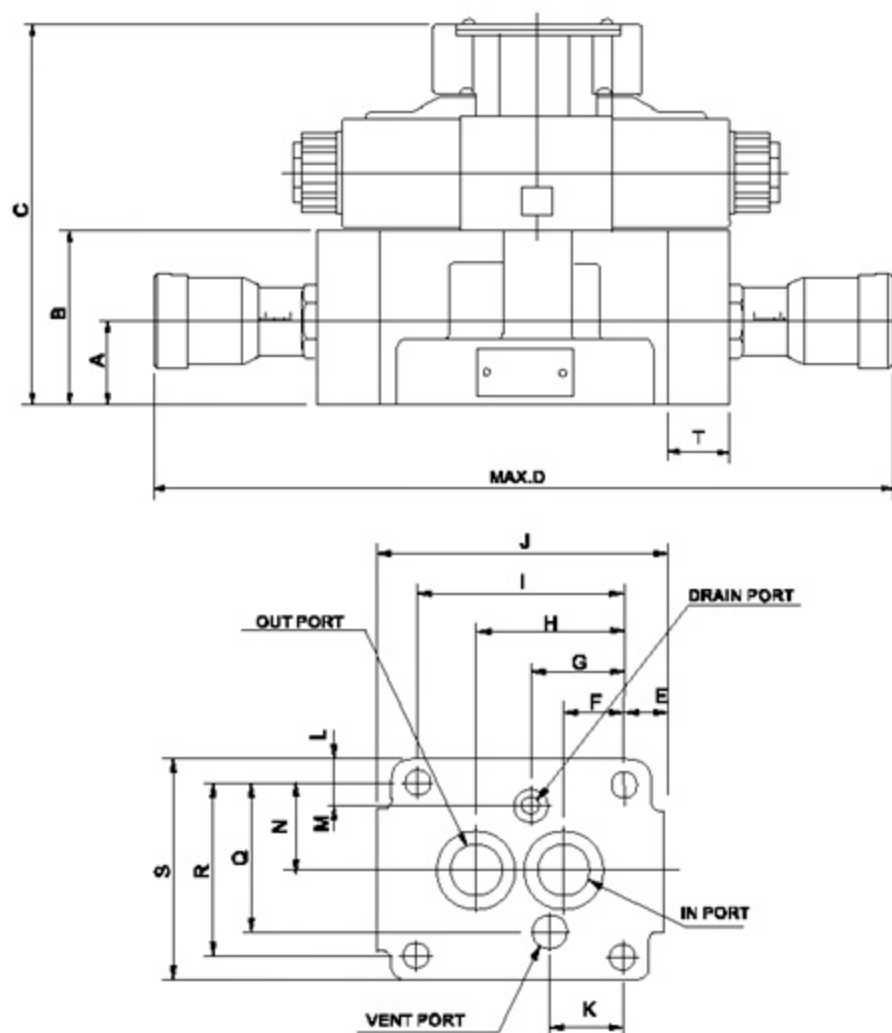
MODEL	Q	R	S
SFD-06G	64(2.52")	74(2.91")	95(3.74")

SOLENOID OPERATED FLOW CONTROL VALVES

電磁流量調節閥

SF SERIES

◆ DIMENSIONS 外形尺寸圖 SKF-06G



MODEL	A	B	C	D	E	F	G
SKF-06G	35(1.38")	75(2.95")	162.5(6.40")	315(12.40")	17.5(0.69")	26(1.02")	40.5(1.59")

MODEL	H	I	J	K	L	M	N
SKF-06G	64(2.52")	90(3.54")	125(4.92")	31.7(1.25")	10.5(0.41")	10(0.39")	37(1.46")

MODEL	Q	R	S	T
SKF-06G	64(2.52")	74(2.91")	95(3.74")	27(1.06")

F
SF

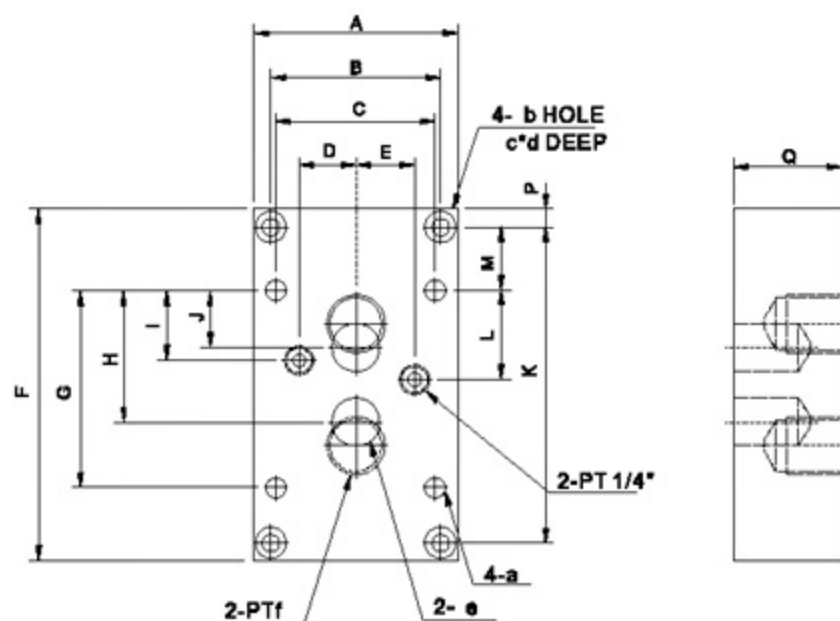
SOLENOID OPERATED FLOW CONTROL VALVES

SF SERIES

電磁流量控制閥

◆ Mounting Interface 安裝尺寸

SFM-06

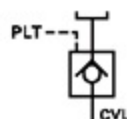


MODEL	A	B	C	D	E	F	G	H
SFM-06	95(3.74")	79(3.11")	74(2.91")	27(1.06")	27(1.06")	160(6.30")	90(3.54")	64(2.52")

MODEL	I	J	K	L	M	P	Q	a
SFM-06	31.7(1.25")	28(1.02")	144(5.67")	40.5(1.59")	29(1.14")	8(0.31")	40(1.57")	M10

MODEL	b	c	d	e	f
SFM-06	8.5(0.33")	14(0.55")	10(0.39")	22(0.86")	3/4"

◆ MODEL 型 式



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Operating Flow 操作流量 l/min	Cracking Pressure 開啓壓力 kg/cm²	Weight 重量 Kg
SG-16	250 (3625 psi)	2"	400 (105.87 gpm)	400±100M	0.12	30.2 (66.6 lbs)
SG-24		3"	900 (237.76 gpm)	900±150M	0.14	55 (121.3 lbs)
SG-32		4"	1600 (422.68 gpm)	1600±300M	0.16	100 (220.5 lbs)
Fluid Type 液體型式			ISO VG 32, 46, 88			
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品，若需英制螺絲請另外備註說明。

◆ HOW TO ORDER 編號說明

1	2	3
SG	— 24 —	180

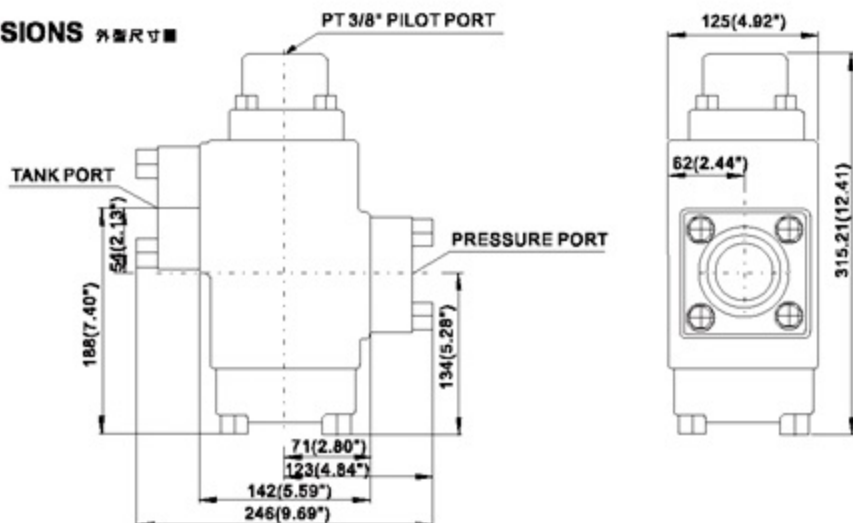
1 VALVE SERIES 系列名稱
SG=Pre-fill Valves

2 SUBPLATE MOUNTING SIZE
 副板口徑
 16 = 2"(5.08mm)
 24 = 3"(7.62mm)
 32 = 4"(10.16mm)

3 180 TYPE - INLINE TYPE 直列型
 90 TYPE - ANGLE TYPE 角型

◆ DIMENSIONS 外型尺寸圖

SG-16



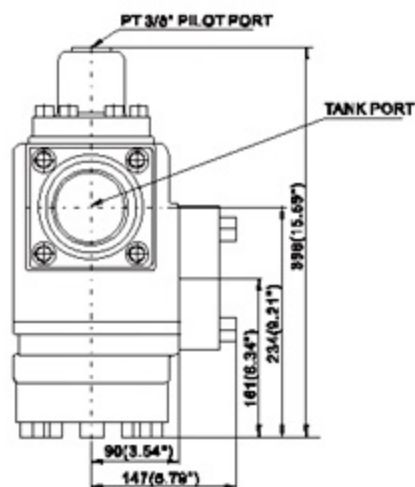
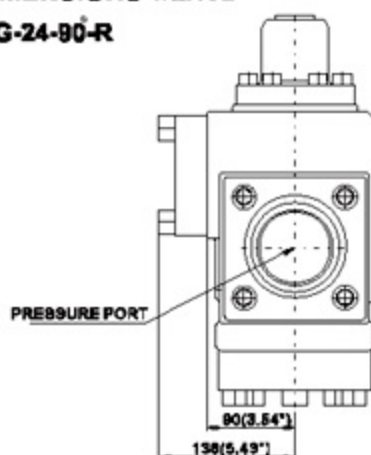
PRE-FILL VALVES

SG SERIES

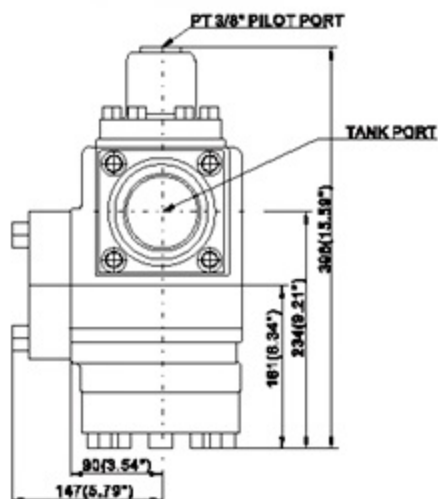
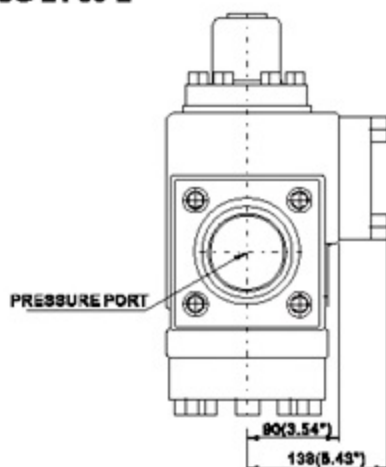
滿油閥

◆ DIMENSIONS 外型尺寸圖

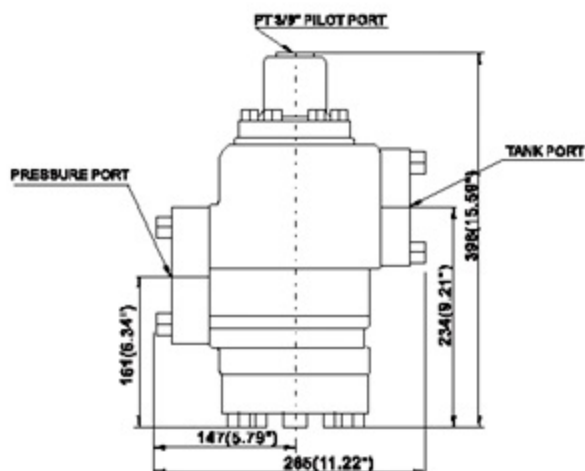
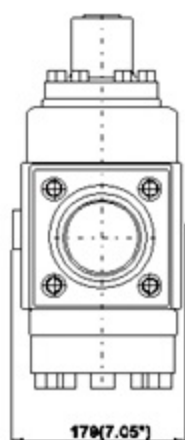
SG-24-90°R



SG-24-90°L

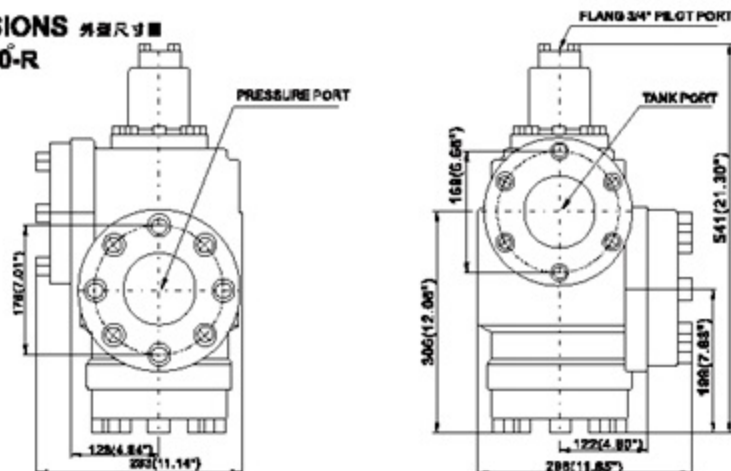


SG-24-180°

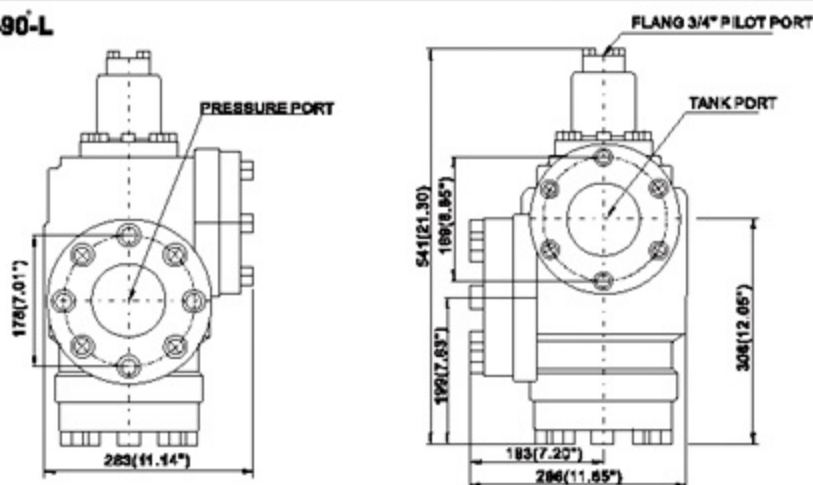


◆ DIMENSIONS 外形尺寸圖

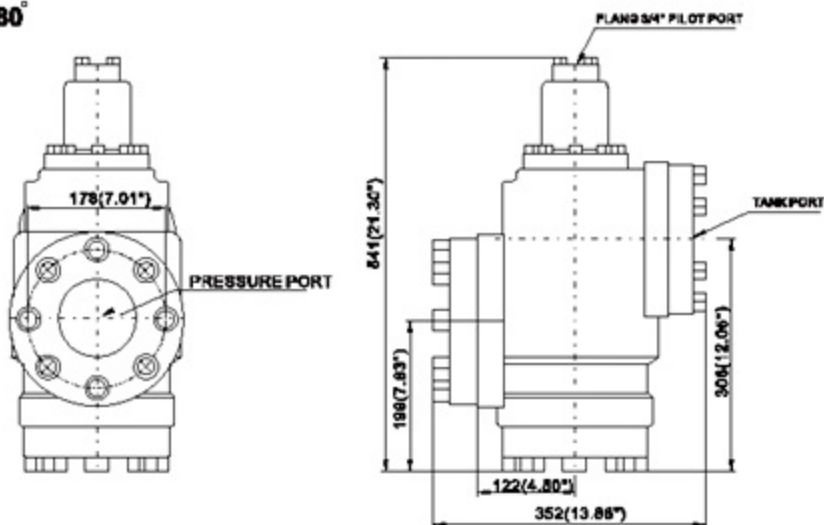
SG-32-90°-R



SG-32-90°-L



SG-32-180°



BALANCING VALVES(Pressure Reducing and Relief Valve)

SGR SERIES

平衡閥

◆ MODEL 型 式 SGR-03



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
SGR-03	250 (3625 psi)	1/4"	40 (10.57 gpm)	3.3 (7.28 lbs)
SGR-06	250 (3625 psi)	3/4"	100 (26.41 gpm)	7 (15.4 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 污染程度		ISO4406, 21/19/16 NAS1638,10		

● All screws with metric measure, if require inch measure, please contact us.
所有螺絲均為公制標準規格，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
SGR	03	G	1	30

1 VALVE SERIES 系列名稱

SGR=Balancing Valves
(Pressure Reducing and Relief Valve)

4 PRESSURE ADJUSTMENT 壓力調整範圍

1. 7 - 70 bar
2. 8 - 140 bar
3. 10 - 210 bar

2 SUBPLATE MOUNTING SIZE: 副板口徑

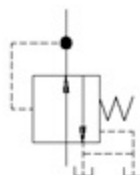
03 = 3/8"(9mm) 06 = 3/4"(19mm)
ISO CETOP5 ISO CETOP8
DIN NG 10 DIN NG 25
NFPA D05 NFPA D08

5 DESIGN NO 設計編號

3 CONNECTING TYPE 連接型式

G:TYPE:BASEPLATE MOUNTING TYPE(板式基座)

◆ CONTROL PORT(S) 操作形式



BALANCING VALVES(Pressure Reducing and Relief Valve)

平衡閥

SQR SERIES

◆ PERFORMANCE 性能

Test Conditions 測試條件
Oil Temperature 油溫: 50°C (122°F)
Viscosity 黏度: 35 cSt (163 SSU)

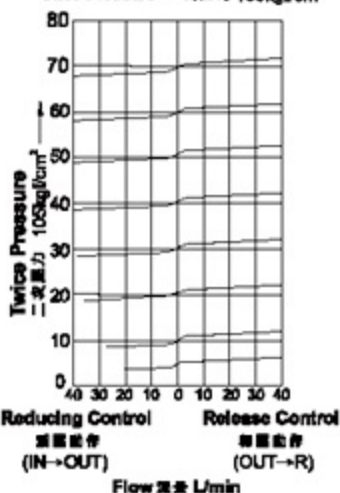
- When the pressure draining valve is opened, they control the pressure drop of the fluid blow in reverse direction. Simplify the pipe distribution.
In the past pressure the reducing valve, the pressure release valve and the are combined to control the pipe distribution. Now one of these valves can solve all above needs.
- Increase accuracy.
The pressure change caused by the change of the load flow is very small, so the accuracy can be increased.
- Regulating pressure just needs to turn one knob.
- Because it is an external draining type, they are not effected by the negative pressure of the flow-back pipes.

- 可以簡化管路配管
以前需要用到減壓閥,釋壓閥,共同組合型等三種。現在只要一個平衡閥就可以全部解決。
- 可以提高精確度
因為閥芯與荷載變化所引起的壓力變化很小,所以可以提高精確度。
- 只要調有一個把手(調節)就可以調節壓力。
- 因為是外部排水型,所以不會受回流管路的負壓影響。

Flow-Pressure Characteristic

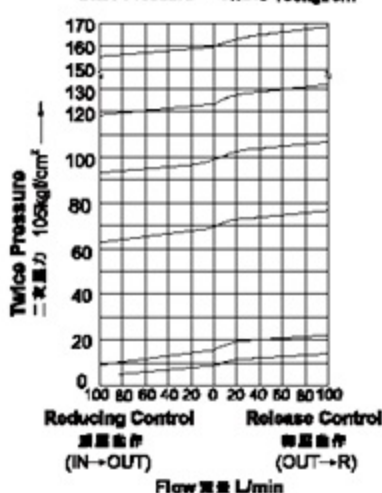
SGR-03G

Once Pressure 一次壓力 105kgf/cm²

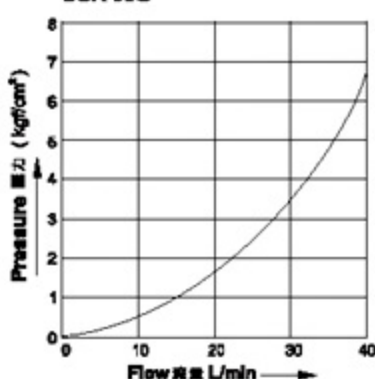


SGR-08G

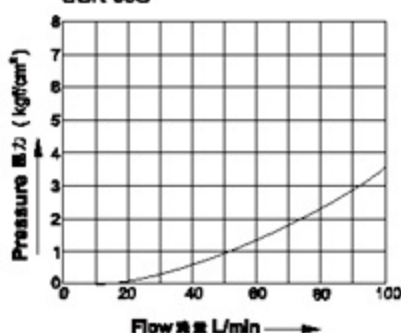
Once Pressure 一次壓力 105kgf/cm²



SGR-03G



SGR-06G



F
SQR

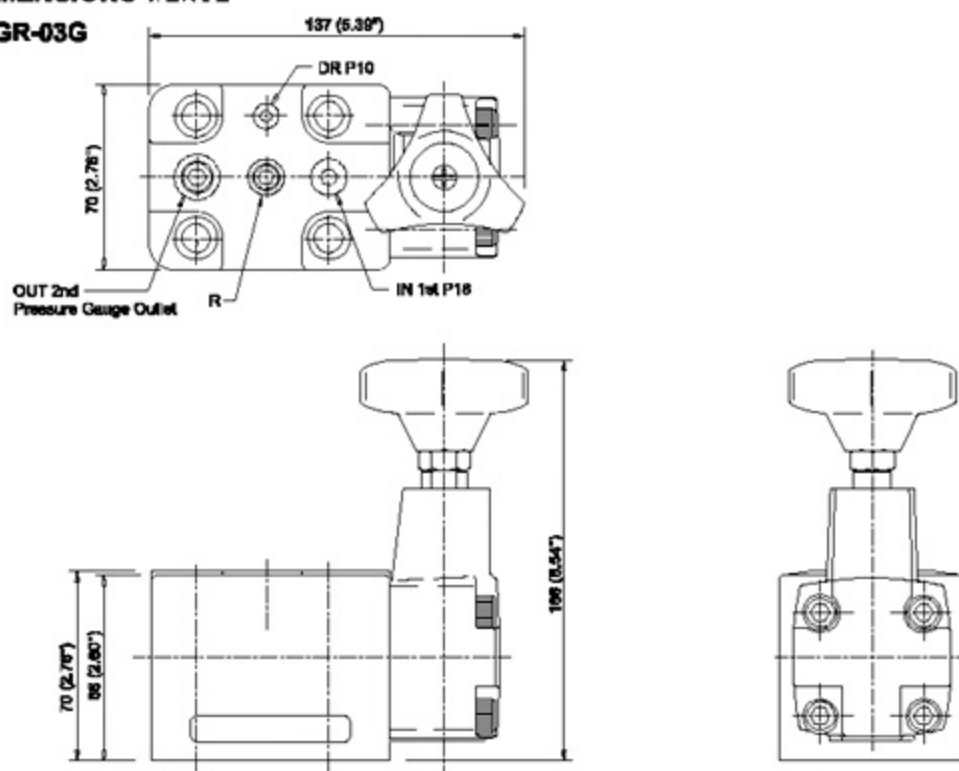
BALANCING VALVES(Pressure Reducing and Relief Valve)

SQR SERIES

平衡閥

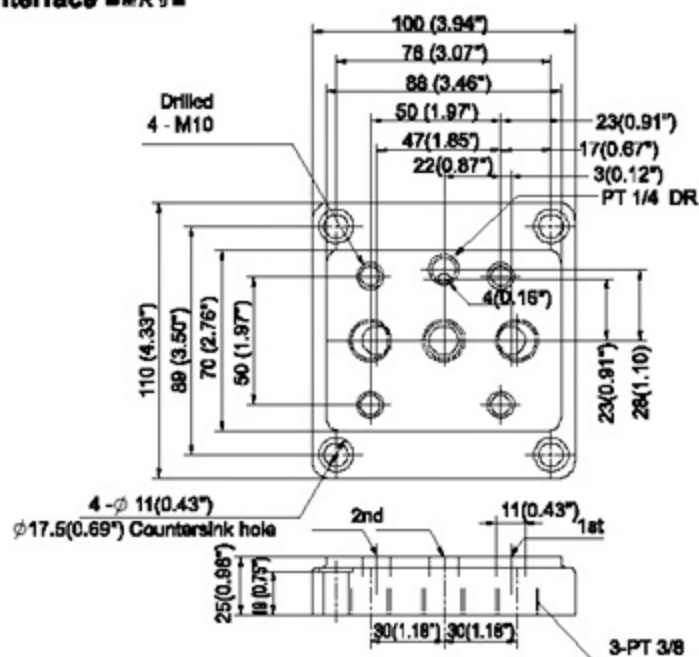
◆ DIMENSIONS 外形寸法

SGR-03G



◆ Mounting Interface 取付寸法

SGR-03G



SOLENOID CONTROLLED RELIEF VALVES

電磁式溢流閥

SPRV SERIES

◆ MODEL 型 式

SPRV-03G



● Which this System By Relief & Solenoids Valves Assembly to purposal Double pressure & Triplicate Pressure control. Apply Electric Symbol and The Pump can be Loading Out and to Available Pilot operated Relief Vales.

● 此系列為電磁溢流閥和電磁閥的組合閥，可用電磁信號控制其開閉也可利用先導式溢流閥，使成系統得到雙重第三重控制。

◆ SPECIFICATIONS 規 格

Model Number 型 式 號 碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重 量 Kg
SPRV-03G- **	315 (4500 psi)	3/8"	90 (23.78 gpm)	7.8 (17.2 lbs)
SPRV-03T- **				7 (15.4 lbs)
SPRV-06G- **		3/4"	200 (52.84 gpm)	9 (19.8 lbs)
SPRV-06T- **				8.5 (18.7 lbs)
SPRV-10G- **		1-1/4"	500 (132.09 gpm)	16 (35.3 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，若需英制規格請另外備註說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6	7
SPRV	03	G	*	2A	**	30

1 VALVE SERIES 系列名稱

SPRV=Solenoid Controlled Relief Valves

2 SUBPLATE MOUNTING SIZE: 接口口徑

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	

3 CONNECTING TYPE 連接型式

T:TYPE:THREADING TYPE (螺紋連接)

G:TYPE:BASEPLATE MOUNTING TYPE (板式連接)

4 ADJUSTMENT PRESSURE 壓力調整範圍

1. * - 70 bar
2. 8 - 140 bar
3. 8 - 250 bar
4. 8 - 315 bar

5 CONTROL TYPE 控制方式

See Control Port(s) ● 無動作型式

2A: Two section pressure 二段式壓力

3B: Three section pressure 三段式壓力

6 COIL TYPES OF SOLENOID VALVE

電磁閥電磁線圈類型

A1: AC110 A2: AC220

D1: DC12 D2: DC24

R1: RF110 R2: RF220

7 WIRING TYPE 線路型式

20: WIRING BOX TYPE 線路盒式

30: DIN TYPE DIN型

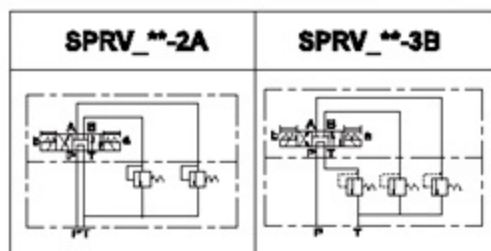
F
SPRV

SOLENOID CONTROLLED RELIEF VALVES

SPRV SERIES

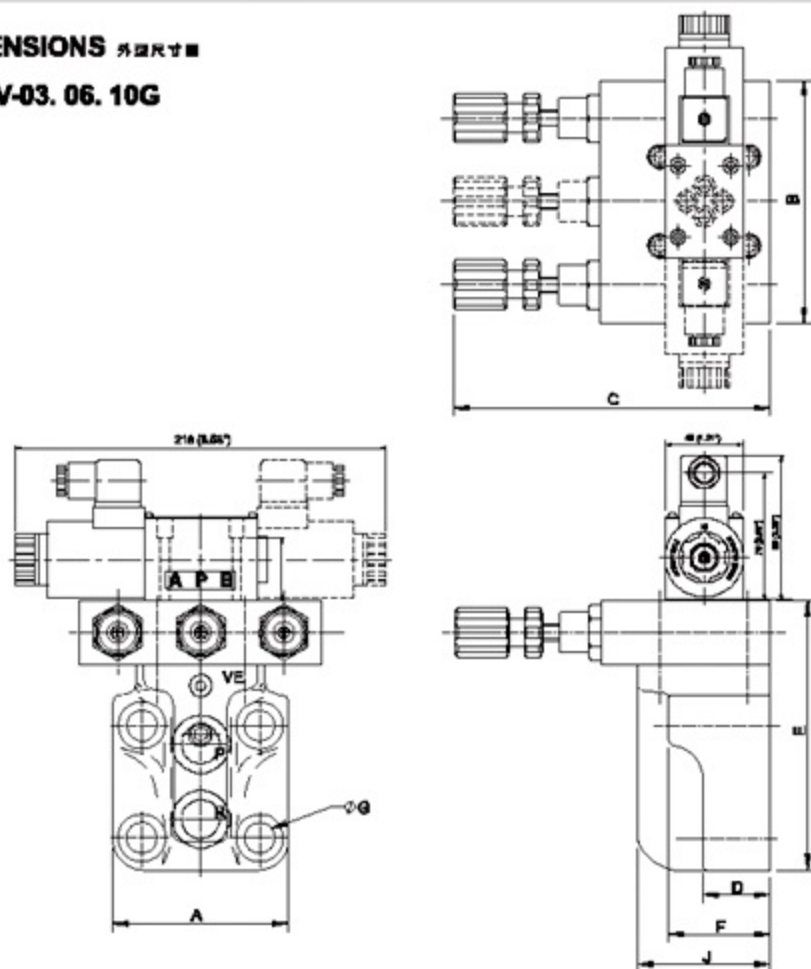
電磁式溢流閥

◆ CONTROL PORT(S) 控制形式



◆ DIMENSIONS 外形尺寸圖

SPRV-03. 06. 10G



MODEL	A	B	C	D	E	F	G	J
SPRV-03G	84(3.31")	140(5.51")	183(7.20")	57(2.24")	134(5.28")	78(3.07")	13.5(0.53")	—
SPRV-06G	105(4.13")	140(5.51")	183(7.20")	40(1.57")	180(6.30")	60(2.36")	18(0.71")	78(3.07")
SPRV-10G	126(4.96")	170(6.70")	183(7.20")	49(1.93")	194(7.64")	69(2.72")	21.5(0.85")	90(3.54")

● The install size of valve please refer the base seat drawing of type RVM-03 . 06
 (※) 安裝尺寸請參閱RVM-03.06型座板尺寸圖

F

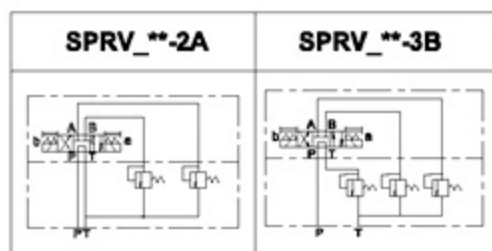
SPRV

SOLENOID CONTROLLED RELIEF VALVES

電磁式溢流閥

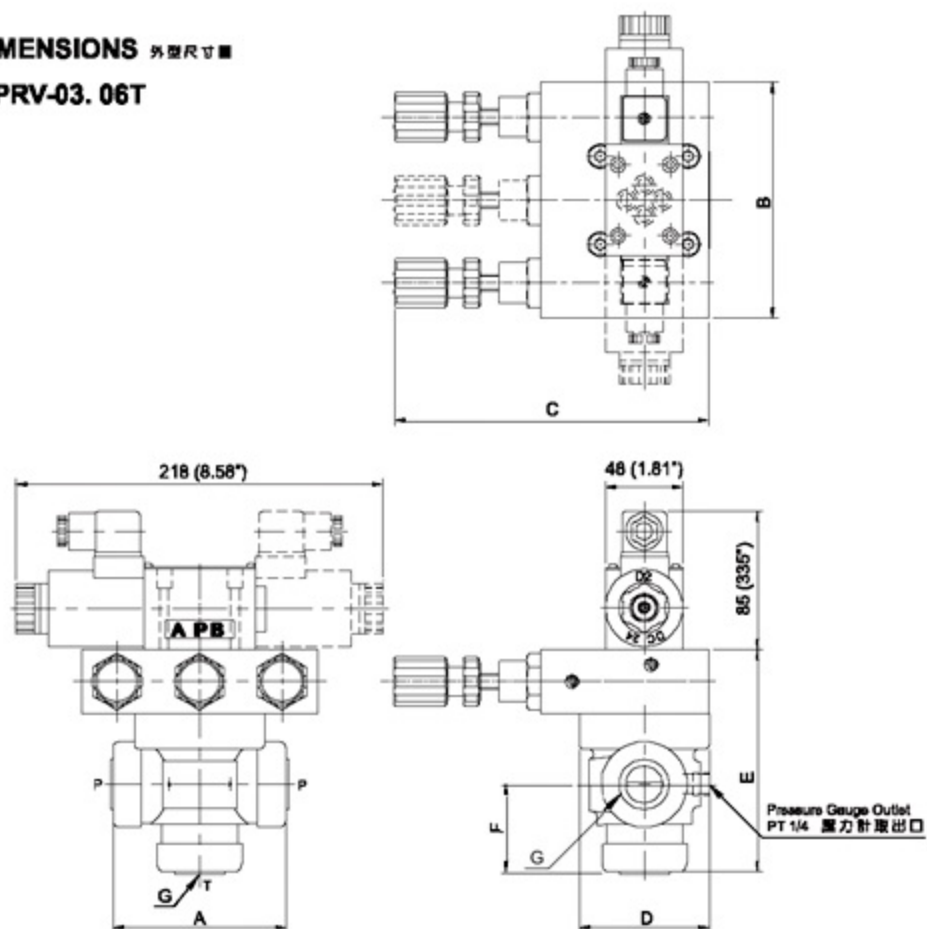
SPRV SERIES

◆ CONTROL PORT(S) 動作形式



◆ DIMENSIONS 外型尺寸圖

SPRV-03. 06T



MODEL	A	B	C	D	E	F	G
SPRV-03T	103(4.06")	140(5.51")	174(6.85")	77(3.03")	132(5.20")	52(2.05")	PT 3/8
SPRV-06T	103(4.06")	140(5.51")	174(6.85")	77(3.03")	132(5.20")	52(2.05")	PT 3/4

● The install size of valve please refer the base seat drawing of type RVM-03 . 06
(註) 請安裝前尺寸●到RVM-03 . 06型座板尺寸圖

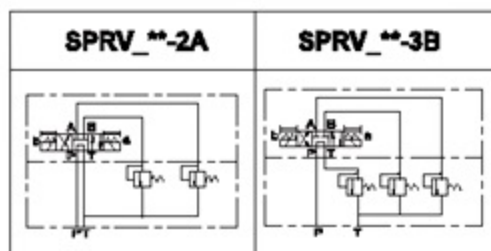
F
SPRV

SOLENOID CONTROLLED RELIEF VALVES

SPRV SERIES

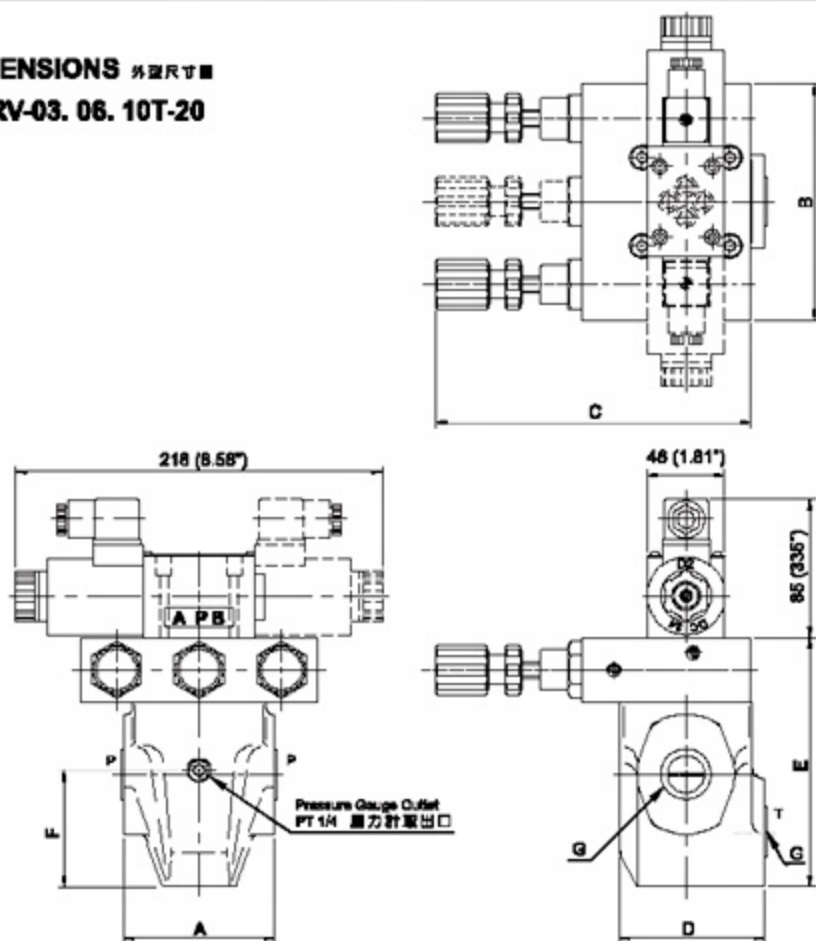
電磁式溢流閥

◆ CONTROL PORT(S) 控制形式



◆ DIMENSIONS 外型尺寸圖

SPRV-03, 06, 10T-20



MODEL	A	B	C	D	E	F	G
SPRV-03T-20	90(3.54")	140(5.51")	183(7.02")	86(3.39")	147(5.79")	68.5(2.70")	PT 3/8
SPRV-06T-20	90(3.54")	140(5.51")	183(7.02")	86(3.39")	147(5.79")	68.5(2.70")	PT 3/4
SPRV-10T-20	122(4.80")	170(6.70")	183(7.02")	96(3.78")	179(7.05")	87(3.43")	PT 1-1/4

● The install size of valve please refer the base seat drawing of type RVM-03 . 06
 (閥安裝圖尺寸參見RVM-03.06型座圖)

F

SPRV

SOLENOID CONTROLLED RELIEF VALVES

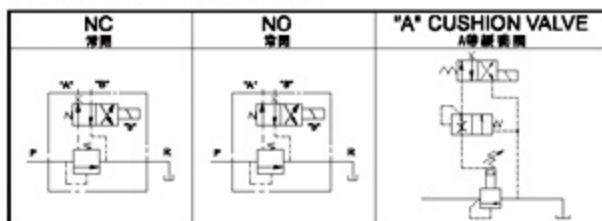
電磁式溢流閥

SRV SERIES

MODEL 型 式 SRV-03G-30



CONTROL PORT(S) 動作形式



SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
SRV-03G-30	315 (4500 psi)	3/8"	90 (23.78 gpm)	5.8 (12.8 lbs)
SRV-03T-30				6.4 (9.9 lbs)
SRV-06G-30		3/4"	200 (52.84 gpm)	7 (15.4 lbs)
SRV-06T-30				6.4 (9.9 lbs)
SRV-10G-30		1-1/4"	400 (105.678 gpm)	11.1 (14.1 lbs)
SRV-10T-30				9.9 (21.8 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.
所有螺絲皆為公制螺絲規格，若有英制螺絲請另向貴社說明。

HOW TO ORDER 編號說明

1	2	3	4	5	6	7	8
SRV	*	—	03	G	—	*	**

1 VALVE SERIES 系列名稱
SRV=Solenoid Controlled Relief Valves

2 CUSHION VALVE 緩衝閥
NONE: None Cushion Valve (Standard)
無: 不帶緩衝閥(標準型)
A: With Cushion Valve (anyone)
See Control Port(s)
A: 帶緩衝閥(任意)及動作形式

3 SUBPLATE MOUNTING SIZE: 基座口徑
03 = 3/8"(9mm) ISO CETOP5 DIN NG 10 NFPA D05
06 = 3/4"(19mm) ISO CETOP8 DIN NG 25 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. * - 70 bar 3.8 - 250 bar
2.8 - 140 bar 4.8 - 315 bar

6 COIL TYPES OF SOLENOID VALVE 電磁閥電磁線圈型
A1: AC110 A2: AC220
D1: DC12 D2: DC24
R1: RF110 R2: RF220

7 WIRING TYPE 接線型式
20: WIRING BOX TYPE 接線盒式
30: DIN TYPE DIN

8 CONTROL TYPE 控制方式
NONE: Normally Open (NO). None pressure_ under electric power off. (Standard)
無: 常開 (NO). 不通電時無壓力 (標準型)
NC: Normally Close. Pressure raise_ under electric power off.
NC: 常閉. 不通電時壓力上升

F
SRV

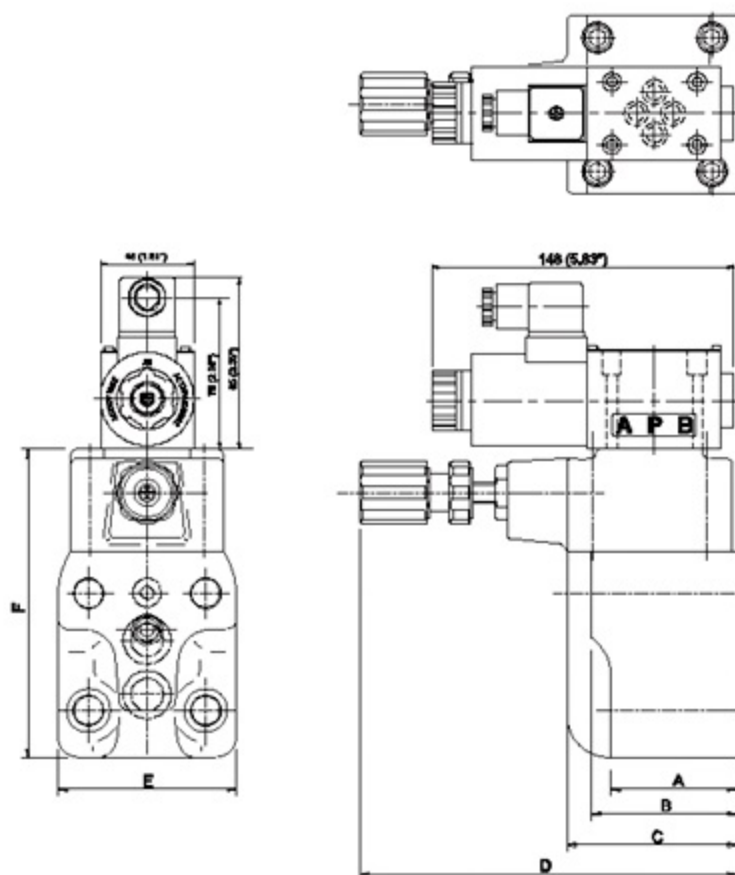
SOLENOID CONTROLLED RELIEF VALVES

SRV SERIES

電磁式溢流閥

◆ DIMENSIONS 外形尺寸圖

SRV-03. 06. 10G



MODEL 型 式	A	B	C	D	E	F
SRV-03G	57(2.24")	-	77(3.03")	170(6.69")	84(3.31")	143(5.63")
SRV-06G	40(1.57")	80(2.38")	78(3.07")	170(6.69")	105(4.13")	188(6.61")
SRV-10G	49(1.93")	67(2.64")	87(3.43")	190(7.48")	127(5.0")	194(7.64")

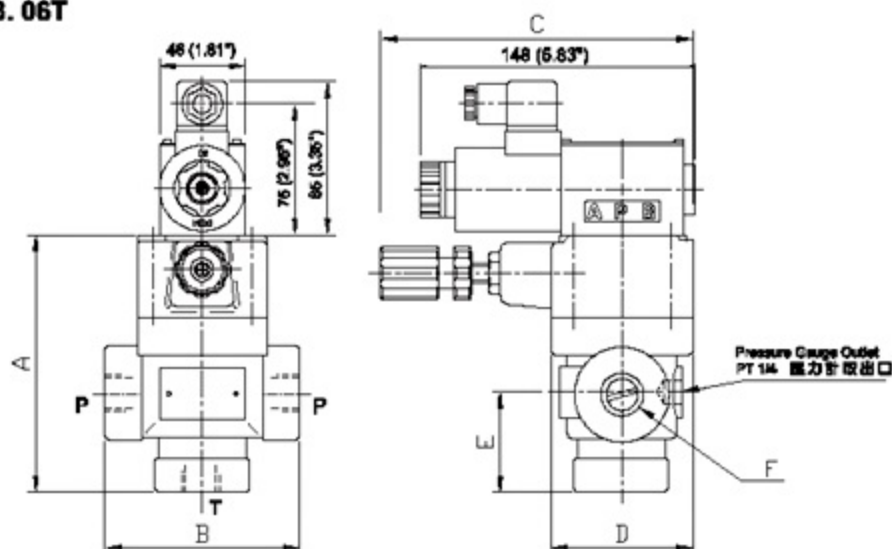
SOLENOID CONTROLLED RELIEF VALVES

電磁式溢流閥

SRV SERIES

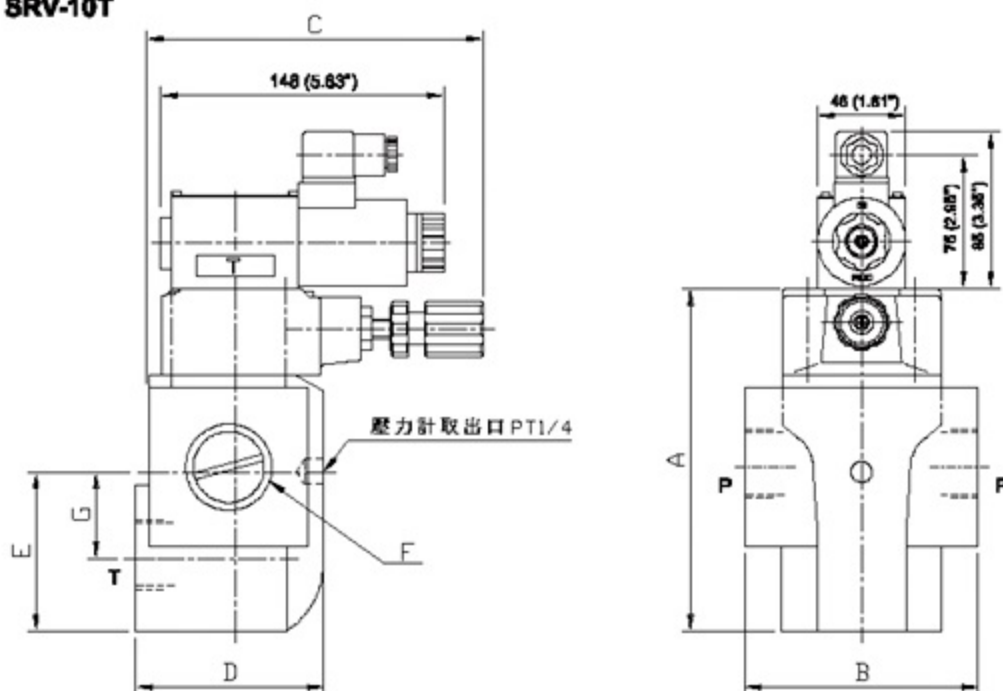
◆ DIMENSIONS 外形尺寸圖

SRV-03.06T



MODEL 圖式	A	B	C	D	E	F	G
SRV-03T	138(5.43")	106(4.17")	165(6.50")	78(3.07")	52(2.05")	PT 3/8	--
SRV-06T	138(5.43")	106(4.17")	165(6.50")	78(3.07")	52(2.05")	PT 3/4	--
SRV-10T	178(7.0")	122(4.80")	170(6.69")	97(3.82")	89(3.50")	PT 1-1/4	49(1.59")

SRV-10T



F
SRV

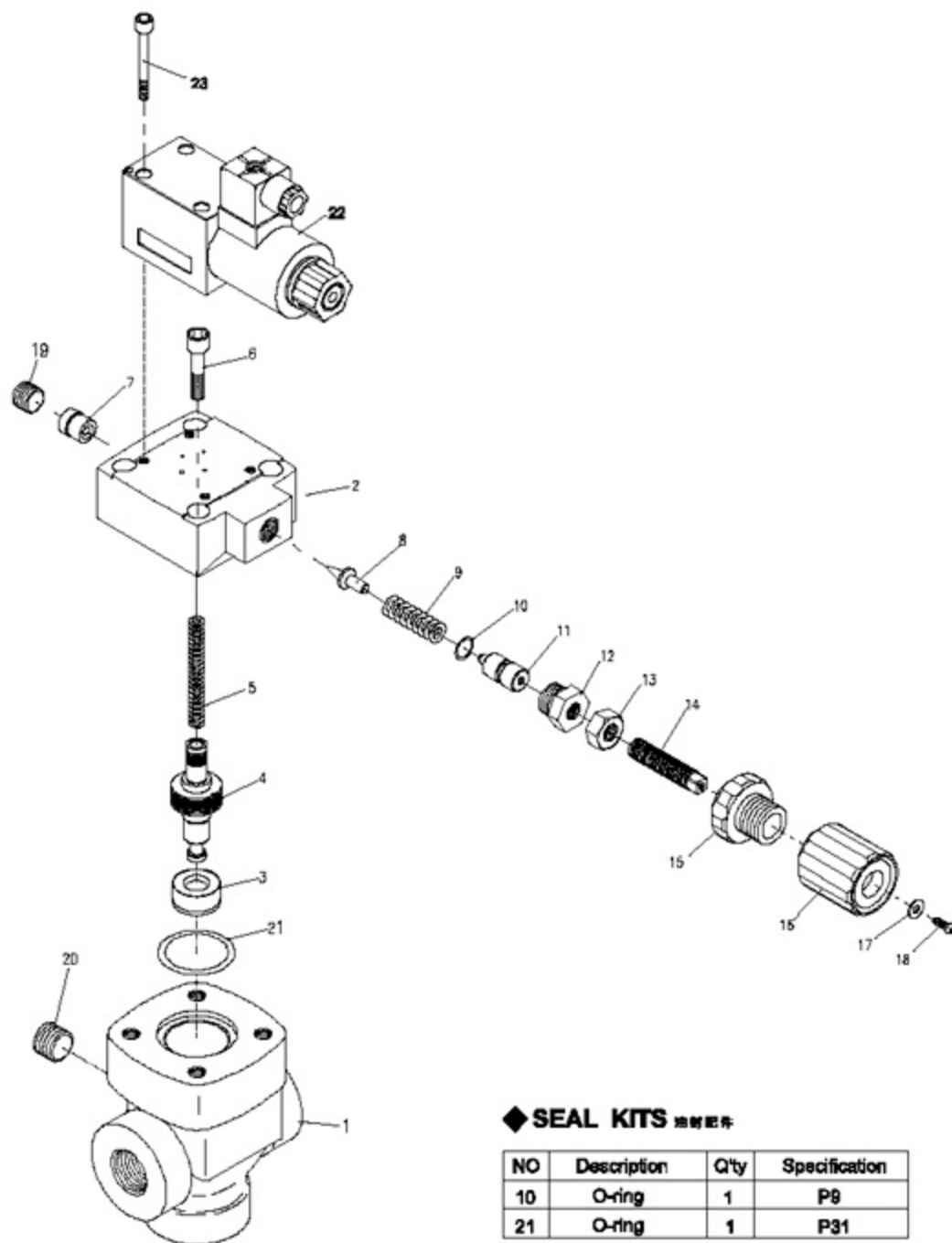
SOLENOID CONTROLLED RELIEF VALVES

SRV SERIES

電磁式溢流閥

◆ EXPLODED VIEWS OF PARTS LIST 零件爆炸視圖

SRV-03T. 06T



◆ SEAL KITS 密封配件

NO	Description	Q'ty	Specification
10	O-ring	1	P8
21	O-ring	1	P31

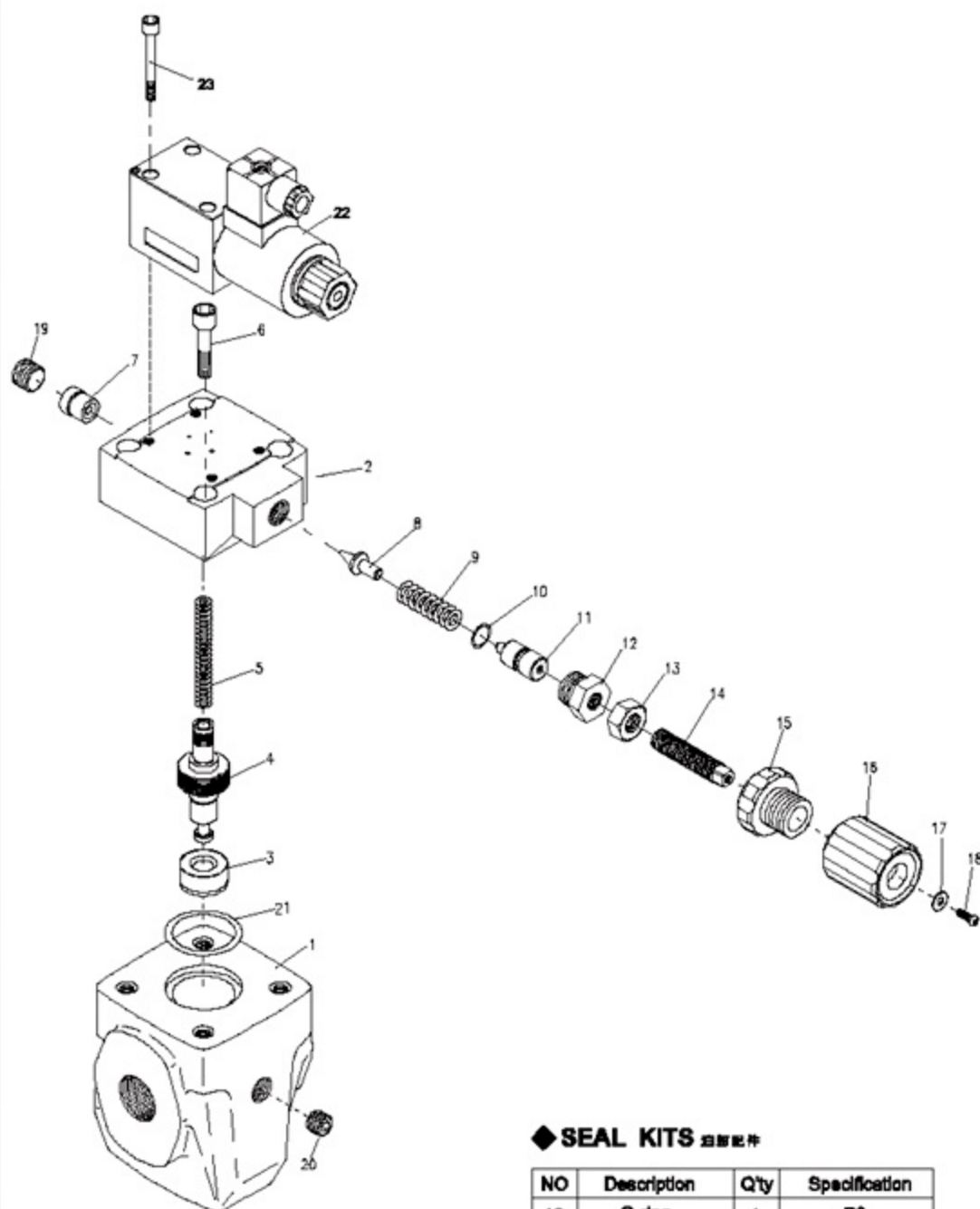
SOLENOID CONTROLLED RELIEF VALVES

電磁式溢流閥

SRV SERIES

◆ DIMENSIONS 外形尺寸圖

SRV-10T



◆ SEAL KITS 封套配件

NO	Description	Q'ty	Specification
10	O-ring	1	P9
21	O-ring	1	P31

F
SRV

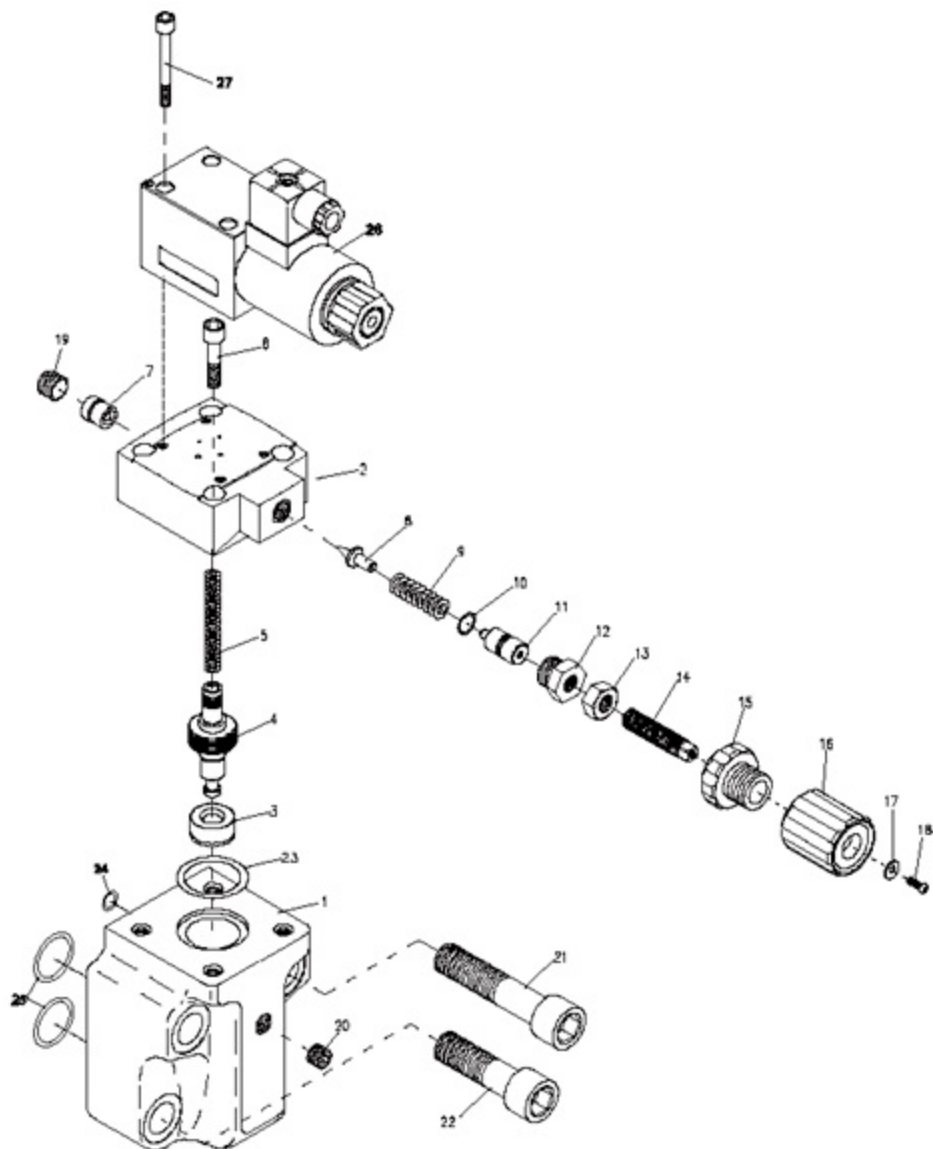
SOLENOID CONTROLLED RELIEF VALVES

SRV SERIES

電磁式溢流閥

◆ EXPLODED VIEWS OF PARTS LIST 零件爆炸圖

SRV-03G, 06G, 10G



◆ ACCESSORIES 附屬配件

SRV-03G			
NO	Description	Qty	Specification
10	O-ring	1	P9
21	HEX. COUNTER-BORE SCREW	2	M12 x 90L
22	HEX. COUNTER-BORE SCREW	2	M12 x 70L
23	O-ring	1	P31
24	O-ring	1	P10
25	O-ring	2	P18

SRV-06G			
NO	Description	Qty	Specification
10	O-ring	1	P9
21	HEX. COUNTER-BORE SCREW	2	M16 x 75L
22	HEX. COUNTER-BORE SCREW	2	M16 x 65L
23	O-ring	1	P31
24	O-ring	1	P10
25	O-ring	2	P28

SRV-10G			
NO	Description	Qty	Specification
10	O-ring	1	P9
21	HEX. COUNTER-BORE SCREW	2	M20 x 90L
22	HEX. COUNTER-BORE SCREW	2	M20 x 70L
23	O-ring	1	P42
24	O-ring	1	P10
25	O-ring	2	P40

F

SRV

SOLENOID CONTROLLED RELIEF VALVES

電磁式溢流閥

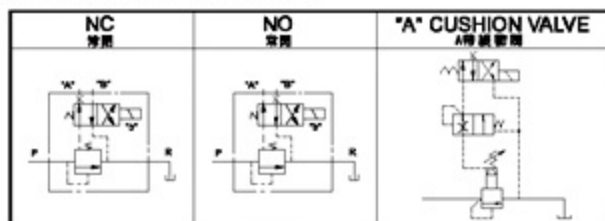
SRV SERIES

MODEL 型 式

SRV-03G, 06G, 10G-50



CONTROL PORT(S) 動作形式



- Apply Electric Symbol the Pump can be Loading Out.
- Apply Pilot Operated Relief Valves and The Hydraulic System to obtained two kind of pressure control.
- 利用電氣信號使泵卸載。
- 利用先導式溢流閥，使液壓系統得到兩種控制方式。

SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
SRV-03G-※-50	250 (3625 psi)	3/8"	100 (26.42 gpm)	6.1 (13.4 lbs)
SRV-06G-※-50		3/4"	200 (52.84 gpm)	7.4 (16.3 lbs)
SRV-10G-※-50		1-1/4"	400 (105.678 gpm)	12.9 (28.4 lbs)
Fluid Type 液體型式			ISO VG 32 , 46 , 68	
Viscosity 黏度 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品，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	8	9	10							
SRV	A	—	03	G	—	3	—	L	—	**	—	20	—	50	—	**

- 1 VALVE SERIES 系列名稱**
SRV=Solenoid Controlled Relief Valves

- 2 CUSHION VALVE 緩衝閥**
NONE: None Cushion Valve (Standard)
無不帶緩衝閥(標準型)
A: With Cushion Valve (anyone)
See Control Port(s)
A: 帶緩衝閥(任意)見動作形式

- 3 SUBPLATE MOUNTING SIZE: 板厚口徑**
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**
G: TYPE: BASEPLATE MOUNTING TYPE (板式連接)

- 5 ADJUSTMENT PRESSURE 壓力調整範圍**
1. ※ - 70 bar 2. 8 - 140 bar 3. 8 - 250 bar

- 6 ORIENTATION 調整方向**
NONE: T ORIENTATION (Standard) 無: T 方向(標準型)
L: P ORIENTATION L: P 方向

- 7 COIL TYPES OF SOLENOID VALVE 電磁閥電磁線圈類型**
A1: AC110 A2: AC220
D1: DC12 D2: DC24
R1: RF110 R2: RF220

- 8 WIRING TYPE 接線型式**
20: WIRING BOX TYPE 接線盒式
30: DIN TYPE DIN 型

- 9 DESIGN NO 設計編號**
50: low noise, pressure regulating valve
50 型-低噪音調壓閥

- 10 CONTROL TYPE 控制方式**
NONE: Normally Open (NO). None pressure_ under electric power off. (Standard)
無: 常開(NO). 不通電時無壓力(標準型)
NC: Normally Close. Pressure raise_ under electric power off.
NC: 常閉. 不通電時壓力上升

F
SRV

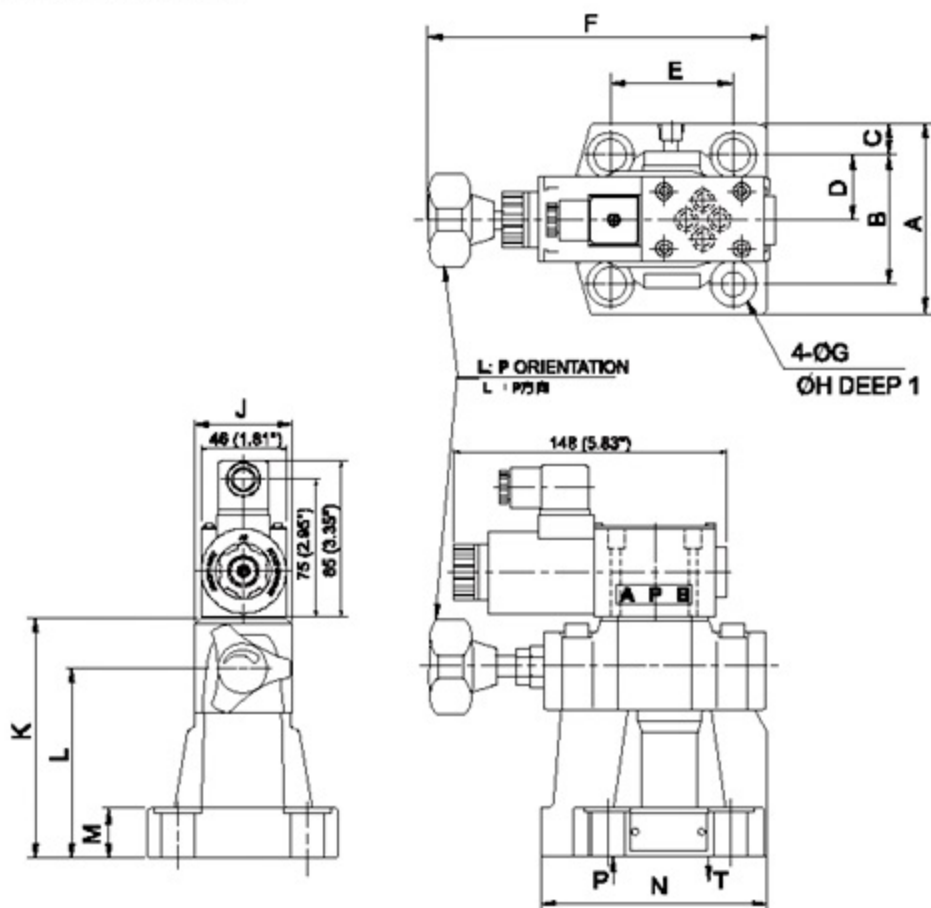
SOLENOID CONTROLLED RELIEF VALVES

SRV SERIES

電磁式溢流閥

DIMENSIONS 外形尺寸圖

SRV-03G, 06G, 10G-50



ACCESSORIES 附屬配件

SRV-03G-50	HEX COUNTER-SINK SCREW	4	M12 x4CL
SRV-06G-50	HEX COUNTER-SINK SCREW	4	M16 x6CL
SRV-10G-50	HEX COUNTER-SINK SCREW	4	M20 x 60L

MODEL	A	B	C	D	E	F
SRV-03G-50	76(2.99")	53.6(2.12")	11.1(0.44")	26.9(1.06")	53.8(2.12")	171(6.73")
SRV-06G-50	104(4.09")	70(2.78")	17(0.67")	35(1.38")	86.7(2.83")	171(6.73")
SRV-10G-50	120(4.72")	82.6(3.25")	18.7(0.74")	41.3(1.63")	88.8(3.50")	188(7.40")

MODEL	G	H	J	K	L	M	N
SRV-03G-50	13.5(0.53")	21(0.83")	51(2.0")	132(5.20")	104(4.09")	22(0.87")	106(4.17")
SRV-06G-50	17.5(0.69")	25(0.98")	51(2.0")	132(5.20")	104(4.09")	27(1.06")	123(4.84")
SRV-10G-50	21.5(0.85")	32(1.26")	65(2.56")	167(6.57")	135(5.31")	33.5(1.32")	155(6.10")

F

SRV

SHOCKLESS MODULAR VALVES

ST-02 SERIES

模塊式緩衝閥

◆ MODEL 型 式 ST-02



◆ FEATURES

- From adding pressure to switch to unloading, this valve can prevent the impact.
- Casting iron bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.

- 特 點
- 此閥可以防止，加壓至卸載時的衝擊。
- 鑄本體耐衝擊及持久性，壽命長。
- 內部硬鋼零件提高品質壽命。

◆ SPECIFICATIONS 規 格

Model Number 型 式 號 碼	Maximum Pressure 最大壓力 bar	Connecting PT 連 接 管 徑	Maximum Flow 最大流量 lpm	Weight 重 量 Kg
ST-02	250 (3625 psi)	1/4"	2 (0.53 gpm)	1.3 (2.9 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: 21/19/18 NAS1638,10		
Surface Treatment 表面處理		Zinc Phosphate Compound 鋅 磷酸鹽 化合物		

● All screws with metric measure, if require inch measure, please contact us.
所有螺絲皆為公制標準規格品，若需英制螺絲請另外備註說明。

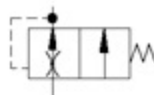
◆ HOW TO ORDER 編號說明

1	2	3
ST	02	20

1 VALVE SERIES 系列名稱
ST=Shockless Modular Valves

◆ **CONTROL PORT(S)** 動作形式

2 SUBPLATE MOUNTING SIZE: 安裝口徑
02=1/4"(6mm)
ISO CETOP3
DIN NG 6
NFA D03



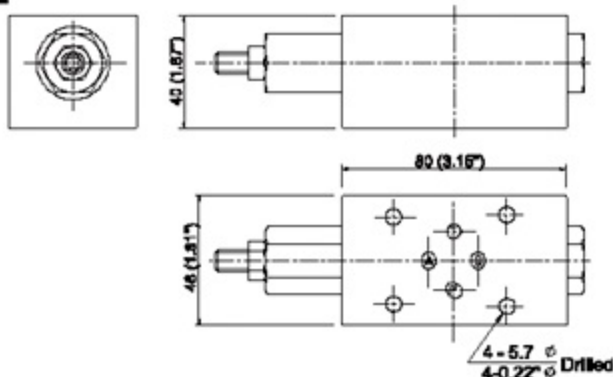
3 DESIGN NO 設計編號

SHOCKLESS MODULAR VALVES

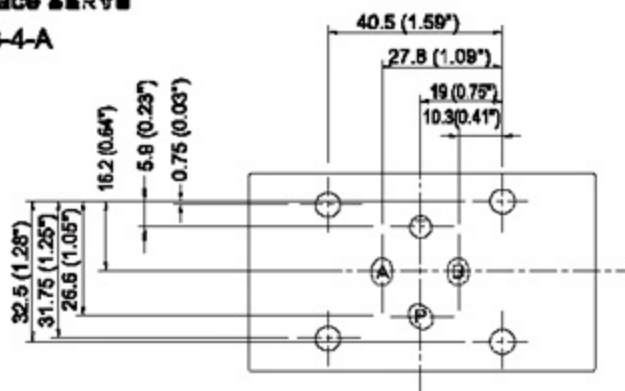
液壓系統組件

ST-02 SERIES

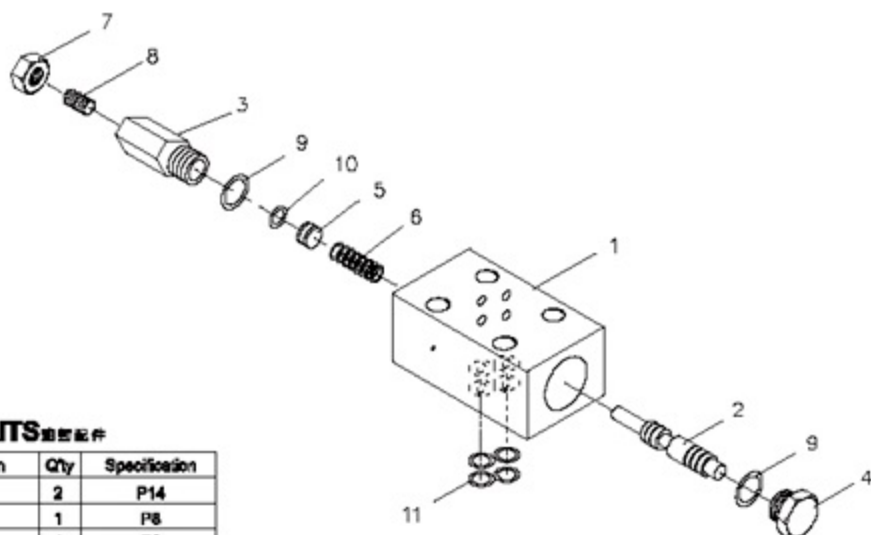
◆ DIMENSIONS 外觀尺寸圖 ST-02



◆ Mounting Interface 安裝尺寸圖 ISO 4401-AB-03-4-A



◆ EXPLODED VIEWS OF PARTS LIST 零件爆炸視圖 ST-02



◆ SEAL KITS 密封配件

NO	Description	Qty	Specification
9	O-ring	2	P14
10	O-ring	1	P8
11	O-ring	4	P9

F
ST

PRESSURE CONTROL & CHECK VALVES

SV SERIES

(單向)調壓閥

◆ 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 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品，若需英制螺絲請與外銷部洽詢。

◆ 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: 基座口徑
03 = 3/8"(9mm) ISO CETOP5
DIN NG 10 NFPA D05
06 = 3/4"(19mm) ISO CETOP8
DIN NG 25 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

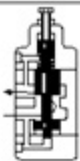
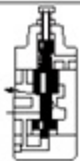
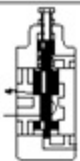
7 DESIGN NO 設計編號

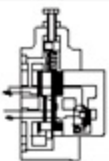
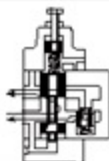
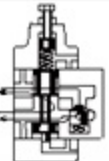
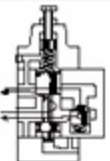
PRESSURE CONTROL & CHECK VALVES

(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：逆平衡閥	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：卸載閥
Pressure pilot test & Reset check oil leak 壓力引壓測試及 油洩檢漏	Inner pilot / Inner leakage 內部引壓 / 內部洩漏	Inner pilot / Outer leakage 內部引壓 / 外部洩漏	Outer pilot / Outer leakage 外部引壓 / 外部洩漏	Outer pilot / Inner leakage 外部引壓 / 內部洩漏
Construction & Action Drawing 結構及動作圖				
Hyd. symbol 液壓符號				
Illustration 說明	Apply the inner pilot pressure be over the set spring pressure, for inner, the balen- ce piston shift upward and open the cir- culation of 1st pressure & 2nd pressure the 2nd pressure connecting the oil tank, so that, that is a direct relief valve, but these valve be installed in the hyd. circuiting assembly. 須用內部引壓壓力超過彈簧壓力時， 平衡活塞向上移動，打開第一壓力及第 二壓力之通路，從而第一壓力直接與 油罐相通，此種閥不能安裝在油路系上。	By sequence action, there are two by pass circuiting in the hyd. circuiting, and adopts inner pilot, for then in sequence action for circulating, if you want the end pressure backflow to the 1st pressure, you must apply the check type sequence valve. 以順序動作，在油路系上有二個旁 路閥，採用內引壓，然後在順序動作 時，如果第一壓力要回流至第一壓力， 則必須採用此型順序閥。	The inner & outer pilot, but the action & principle is same as the sequence valve. 內部及外部引壓，但動作原理與 順序閥相同。	In the four models, the unloading valve is widely used, the combination output caps only for the large displacement low pres- sure pump & the displacement high pres- sure pump makes the action of hydraulic cylinder fast, during hyd. cylinder the pres- sure advance and high pressure pump pilot the pressure to the piston rod, the output of low pressure pump was released to the oil tank and hyd. pump being avoid. 在這四種型號中，卸載閥廣泛使 用，大流量低壓及小流量高壓 液壓泵的組合輸出，能使液壓 缸動作迅速，在液壓缸壓力 上升時，低壓泵的輸出與油罐 相通，從而避免液壓泵的損 壞。

Valve name Model No. 型號名稱	Model A1 Relief Valve SVC - *** - A1 - 30 A1 型式：溢流閥	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：卸載閥
Pressure pilot test & Reset check oil leak 壓力引壓測試及 油洩檢漏	Inner pilot / Inner leakage 內部引壓 / 內部洩漏	Inner pilot / Outer leakage 內部引壓 / 外部洩漏	Outer pilot / Outer leakage 外部引壓 / 外部洩漏	Outer pilot / Inner leakage 外部引壓 / 內部洩漏
Construction & Action Drawing 結構及動作圖				
Hyd. symbol 液壓符號				
Illustration 說明	The counterbalance valve can be no mixed backpressure valve also, undepended in the large load of vertical hyd. cylinder, auto downward or the downward speed are over control speed, so that, the counterbalance valve will make back-pressure for the load down- ward in speed, because there are being with check valve so far, the hyd. oil can be flowed reversely. 此平衡閥也可作為背壓閥使用， 垂直油缸在立式油缸中，當 油缸下降速度超過控制速度時， 此平衡閥會產生背壓，使油缸 下降速度減慢，上升時，因 油缸上升，油缸油可反向流 動。	There are two bypass or more, the sequ- ence & 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 for then, the B cylinder will be acted also. 有二個或更多的旁路，順序閥 及止回閥可分別控制壓力，使二 個油缸一一動作，防止油缸 反向流動，因此油缸A不致 工作，而油缸B動作。	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. 此閥的應用與B2型及止回閥 相同，在油缸A完成前進動作 後，外部引壓油缸B動作。	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 actual fully or loaded unwear and unbalance, so that, the valve is not used of leaky. 此閥的應用與A1型及止回閥 相同，因有外部 引壓，在油缸A完全動作或不平 衡或不平衡時，此閥 一般也不使用。

F
SV

PRESSURE CONTROL & CHECK VALVES

SV SERIES

(単位) 単位

◆ PERFORMANCE 性能

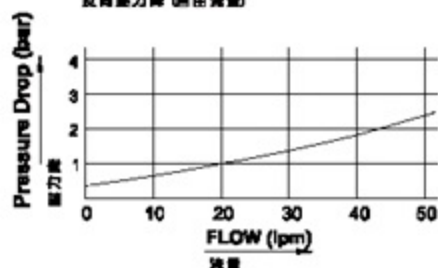
Test Conditions 試験条件

Oil Temperature 油温度: 50°C (122°F)

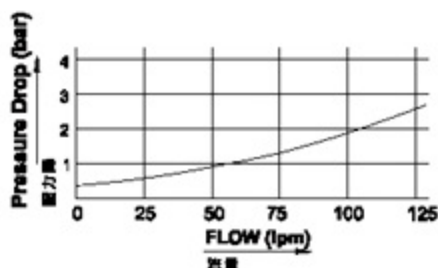
Viscosity 粘度: 35 cSt (163 SSU)

SV-03

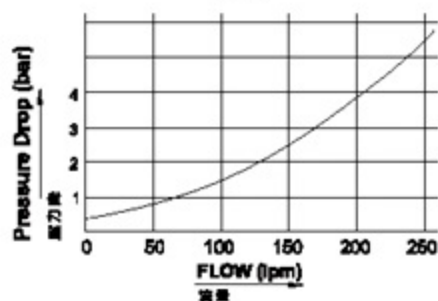
Reverse Pressure Drop (Free Flow)
反方向圧力降 (自由流量)



SV-06



SV-10



◆ ACCESSORIES (G TYPE) 附属配件 (G 形式適用)

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)

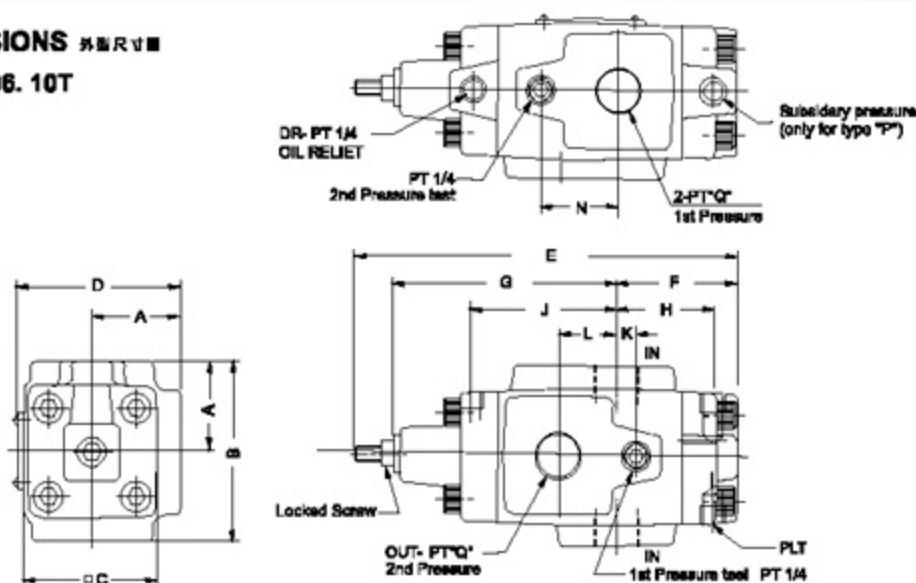
PRESSURE CONTROL & CHECK VALVES

(単位) 長さ mm

SV SERIES

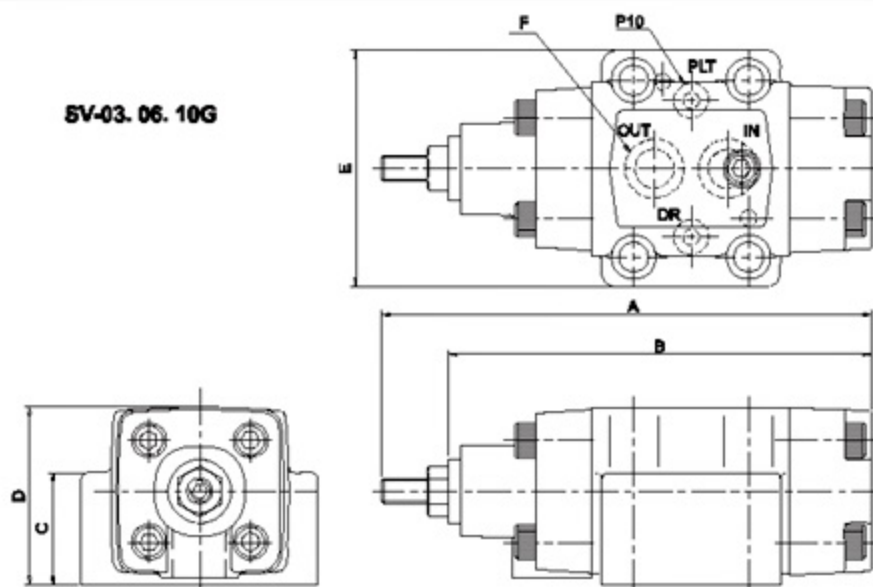
◆ DIMENSIONS 外形寸法

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")	52(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	68(2.6")	132(5.20")	88(3.89")	112(4.41")	272(10.7")	84(3.31")	148(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")	87(2.84")	58(3.48")	P18
SV-06G	230(9.06")	162(7.56")	41(1.61")	80(3.15")	96(3.78")	P28
SV-10G	280(11.0")	236(9.26")	40(1.57")	92(3.62")	117(4.60")	P40

F
SV

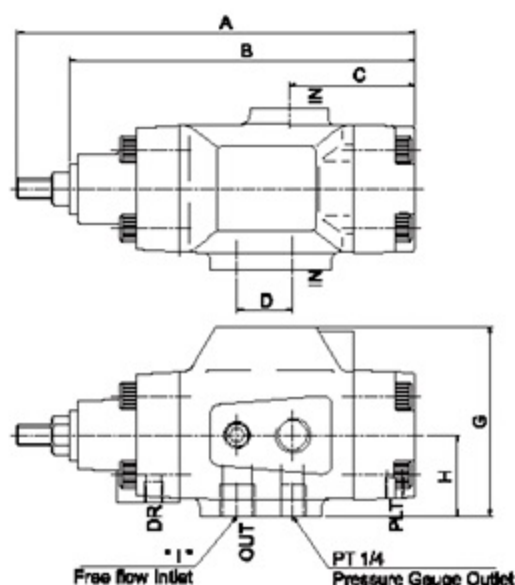
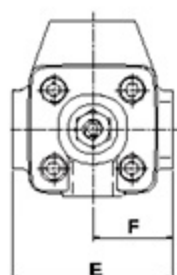
PRESSURE CONTROL & CHECK VALVES

SV SERIES

(単位)mm

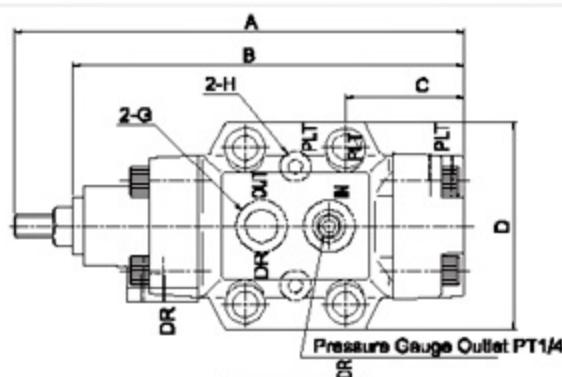
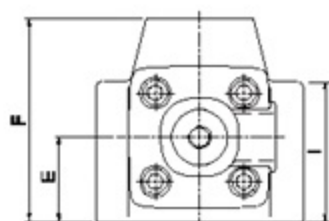
◆ DIMENSIONS 外形寸法

SVC-03, 06, 10T



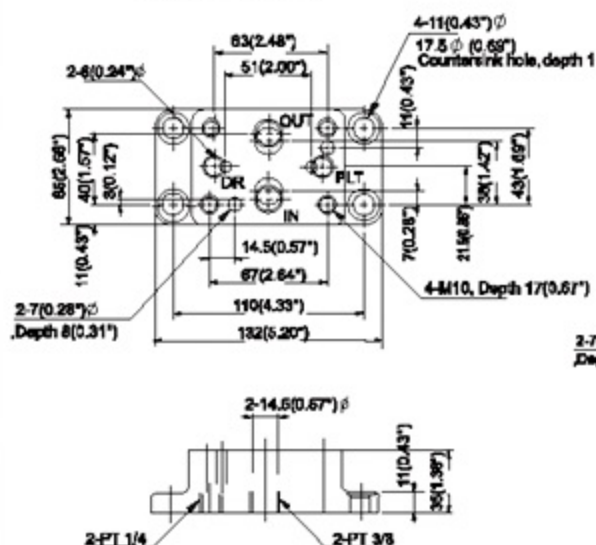
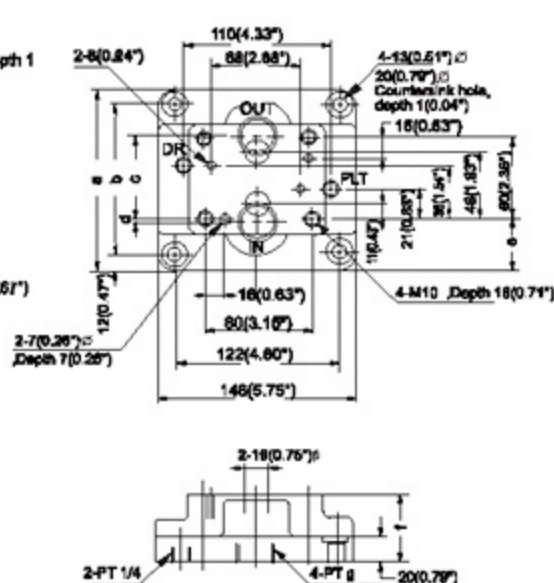
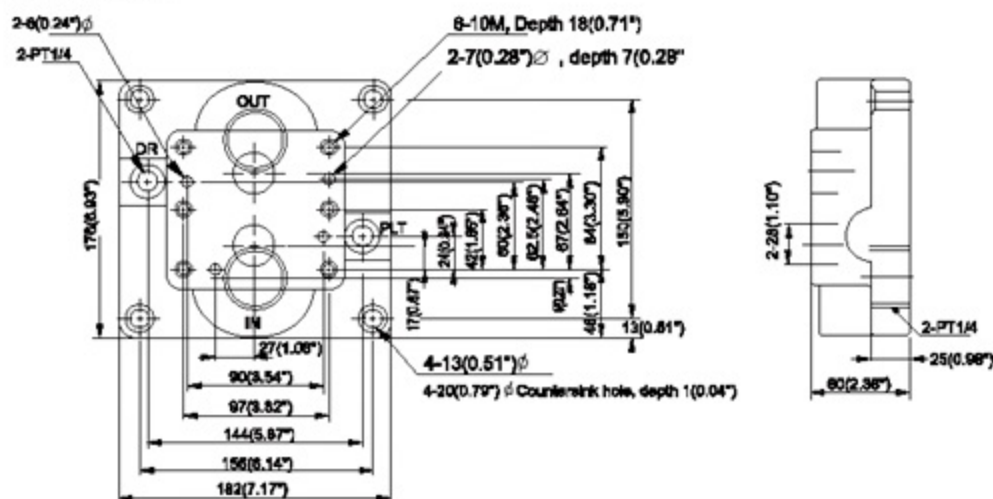
MODEL 型 式	A	B	C	D	E	F	G	H	I
SVC-03T	194(7.64")	188(6.85")	61(2.40")	28(1.02")	78(3.07")	38(1.54")	92(3.62")	38(1.54")	PT3/8
SVC-06T	220(8.66")	192(7.56")	68(2.68")	35(1.38")	88(3.46")	48(1.83")	120(4.72")	51(2.01")	PT3/4
SVC-10T	272(10.7")	233(9.17")	84(3.31")	52(2.05")	132(5.20")	68(2.60")	152(5.98")	68(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")	187(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")	80(2.36")	118(4.65")	49(1.93")	130(5.12")	P40	P10	79(3.11")

◆ Mounting Interface 高さ尺寸圖

SVM , SVCM-03

SVM , SVCM-06

SVM , SVCM-10


THROTTLE & CHECK VALVES

TVC SERIES

單向節流閥

◆ MODEL 型 式

TVC-06T



TVC-06G



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Quota Flow 定額流量 lpm	Weight 重量 Kg
TV*-03G	250 (3625 psi)	3/8"	30 (7.93 gpm)	1.3 (2.9 lbs)
TV*-03T				1.4 (3.1 lbs)
TV*-06G		3/4"	80 (21.13 gpm)	4.5 (9.9 lbs)
TV*-06T				3.8 (8.4 lbs)
TV*-10G		1-1/4"	200 (52.84 gpm)	8.6 (19.0 lbs)
TV*-10T				8 (17.6 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單位，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
TV	*	06	G	30

1 VALVE SERIES 系列名稱
TV= Throttle & Check Valves

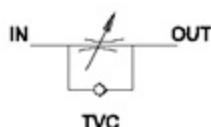
2 CHECK VALVE 止逆閥
C: Include Check Valve C: 附止逆閥

3 SUBPLATE MOUNTING SIZE: 基座口徑
03 = 3/8"(9mm) ISO CETOP5
DIN NG 10 NFPA D05
06 = 3/4"(19mm) ISO CETOP8
DIN NG 25 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 DESIGN NO 設計編號

◆ CONTROL PORT(S) 操作形式



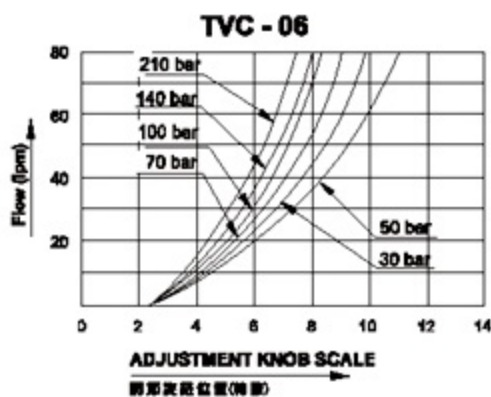
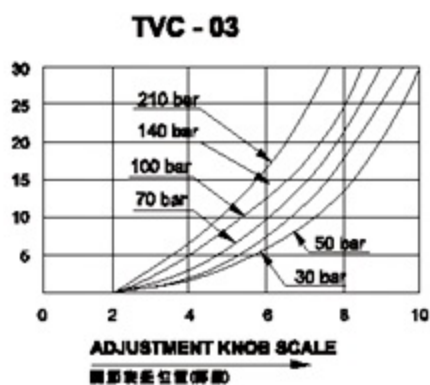
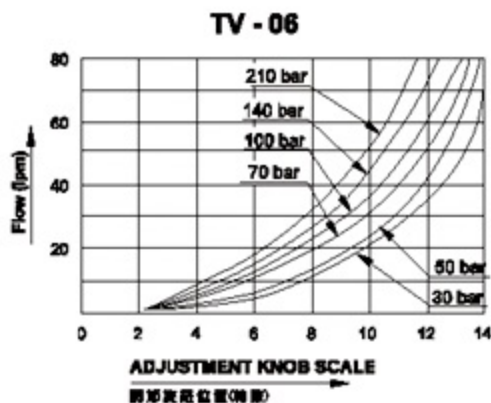
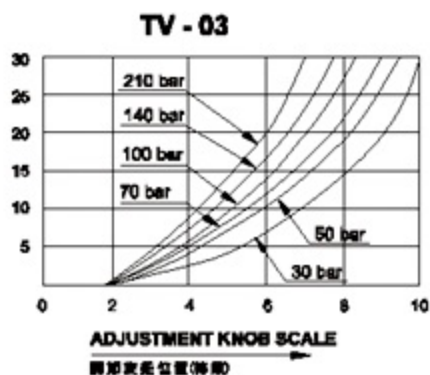
THROTTLE & CHECK VALVES

單向節流閥

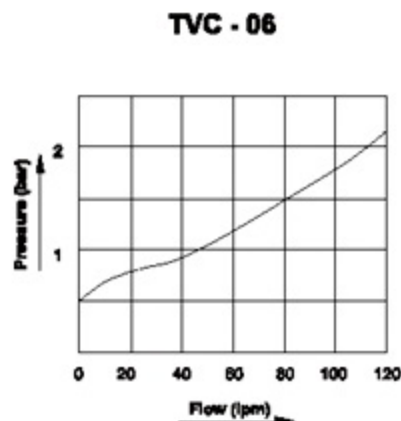
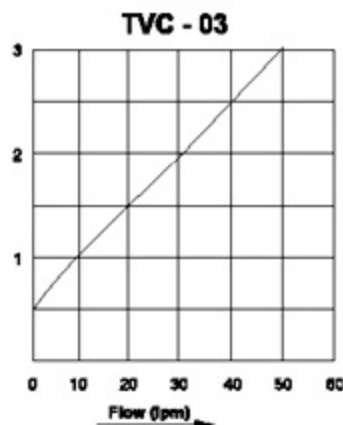
TVC SERIES

◆ PERFORMANCE 性能

Test Conditions 測試條件
Oil Temperature 油溫: 50°C (122°F)
Viscosity 黏度: 35 cSt (163 SSU)



Flow-Pressure Characteristic



THROTTLE & CHECK VALVES

TVC SERIES

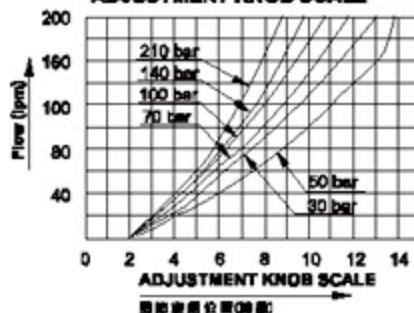
单向节流阀

◆ PERFORMANCE 性能

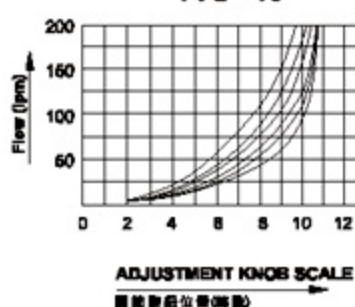
Test Conditions 测试条件
Oil Temperature 油温: 50°C (122°F)
Viscosity 粘度: 35 cSt (163 SSU)

TV - 10

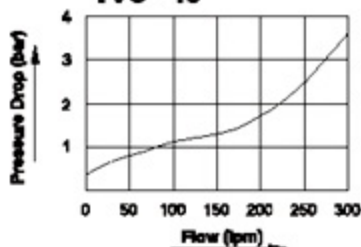
ADJUSTMENT KNOB SCALE



TVC - 10

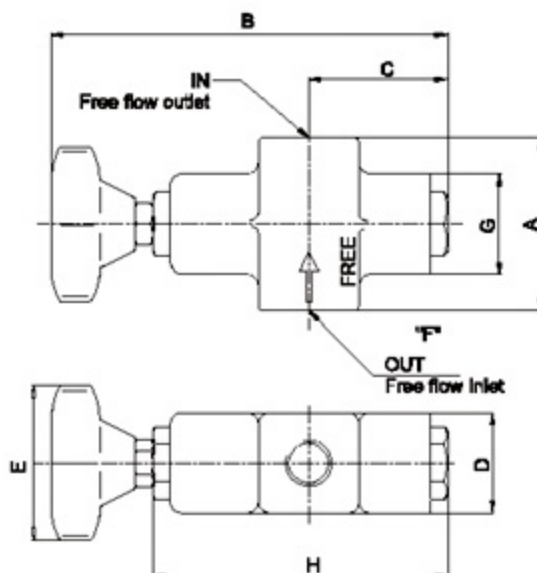
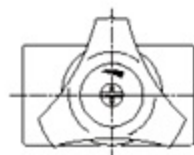


Flow-Pressure Characteristic TVC - 10



◆ DIMENSIONS 外形尺寸

TVC-03 . 06 . 10T



MODEL 型号	A	B	C	D	E	F	G	H
TVC-03T	70(2.76")	175(6.89")	68(2.28")	42(1.65")	58(2.28")	PT3/8	42(1.65")	120(4.72")
TVC-06T	108(4.25")	220(8.66")	67(2.64")	62(2.44")	58(2.28")	PT3/4	57(2.24")	162(6.38")
TVC-10T	132(5.20")	280(10.24")	74(2.91")	80(3.15")	58(2.28")	PT1 1/4	74(2.91")	188(7.40")

F

TVC

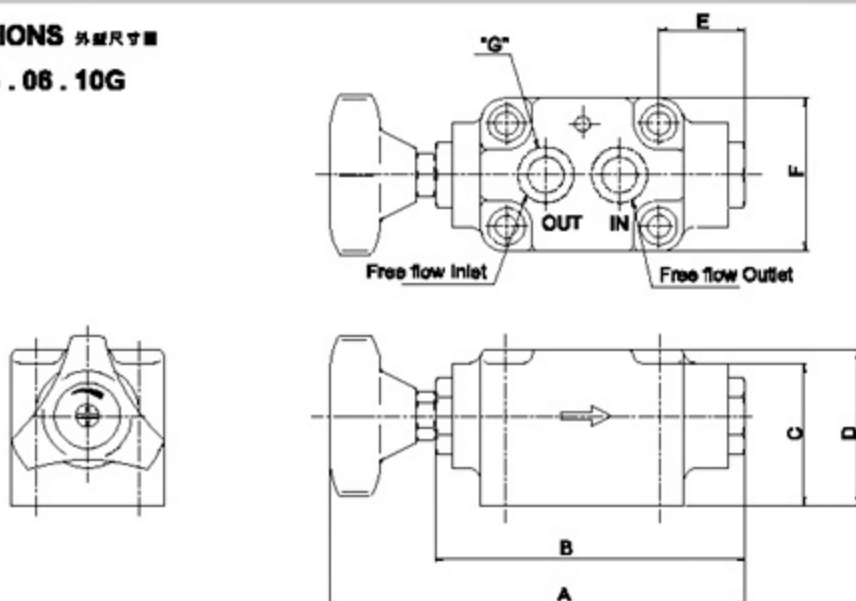
THROTTLE & CHECK VALVES

單向節流閥

TVC SERIES

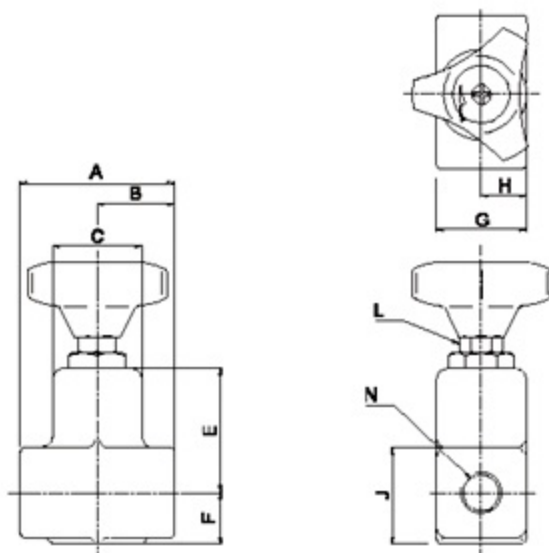
◆ DIMENSIONS 外尺寸圖

TVC-03 . 06 . 10G



MODEL 型 式	A	B	C	D	E	F	G	SCREW
TVC-03G	180(7.09")	120(4.72")	38(1.50")	47(1.85")	12(0.47")	5.9(2.32")	P18	M8 x 65L
TVC-06G	222(8.74")	162(6.38")	65(2.56")	75(2.95")	34(1.34")	82(3.23")	P28	M8 x 75L
TVC-10G	255(10.43")	190(7.48")	82(3.23")	95(3.74")	32(1.28")	100(3.94")	P36	M12 x 95L

TV-03 . 06 . 10T



MODEL 型 式	A	B	C	D	E	F	G	H	J	K	L	N
TV-03T	70(2.76")	35(1.38")	40(1.57")	-	54(2.13")	23(0.91")	42(1.85")	20(0.79")	40(1.57")	--	19(7.48")	3/8
TV-06T	100(3.94")	50(1.97")	40(1.57")	-	82(2.44")	30(1.18")	82(2.44")	30(1.18")	60(2.36")	--	19(7.48")	3/4
TV-10T	130(5.12")	65(2.56")	58(2.20")	-	73(2.87")	40(1.57")	82(3.23")	40(1.57")	80(3.15")	--	22(8.66")	1 1/4

F
TVC

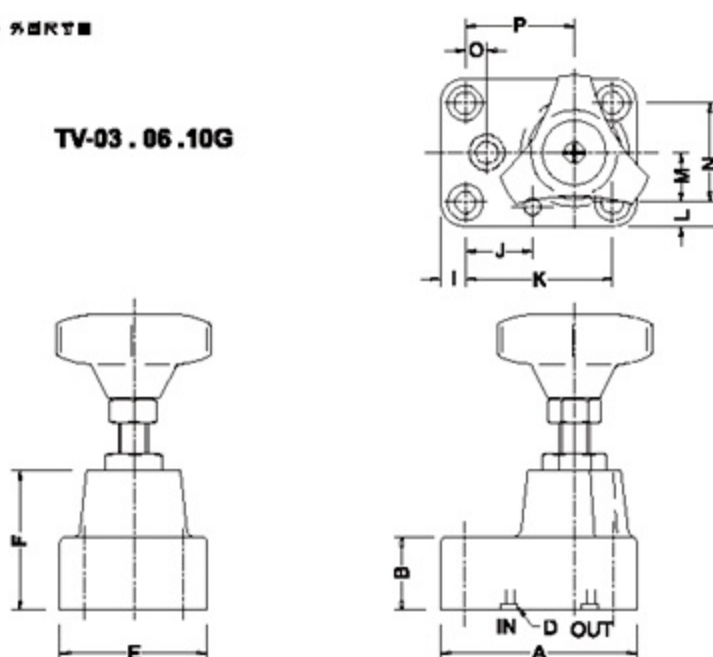
THROTTLE & CHECK VALVES

TVC SERIES

单向节流阀

◆ DIMENSIONS 外形尺寸

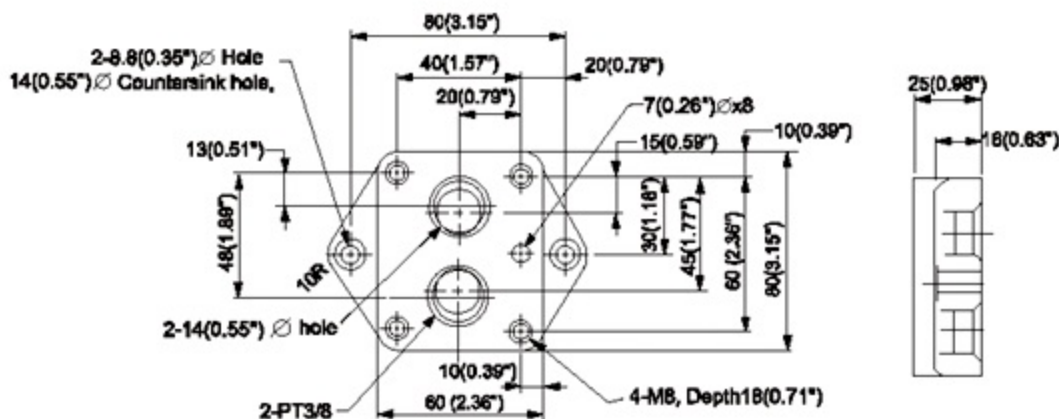
TV-03 . 06 . 10G



MODEL 型号	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
TV-03G	80(3.15")	30(1.18")	-	P18	60(2.36")	61(2.40")	-	-	10(0.39")	30(1.18")	60(2.36")	10(0.39")	20(0.79")	40(1.57")	16(0.63")	45(1.77")
TV-06G	92(3.62")	42(1.65")	-	P28	80(3.15")	73(2.87")	-	-	11(0.43")	35(1.38")	70(2.78")	11(0.43")	29(1.14")	58(2.28")	18(0.63")	54(2.12")
TV-10G	120(4.72")	55(2.17")	-	P38	100(3.94")	93(3.68")	-	-	14(0.55")	48(1.81")	92(3.62")	14(0.55")	38(1.42")	72(2.83")	21(0.83")	71(2.79")

◆ DIMENSIONS FOR BASEPLATE 基座尺寸

TVC M TVM-03



F

TVC

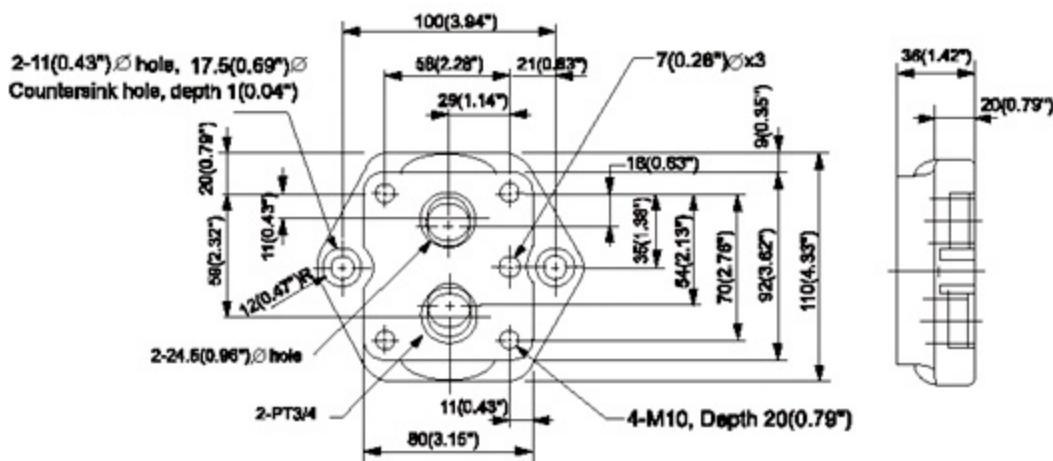
THROTTLE & CHECK VALVES

単位: mm

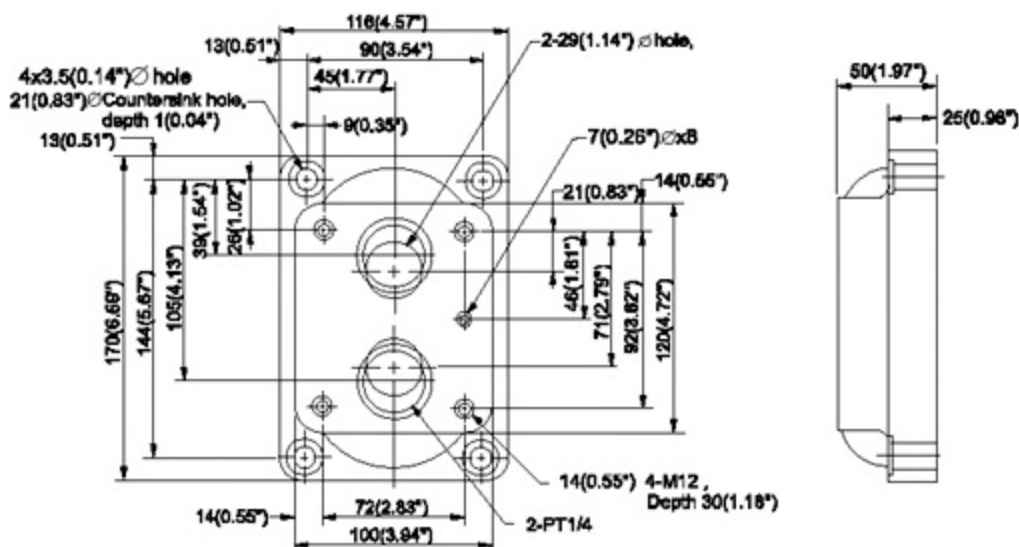
TVC SERIES

◆ DIMENSIONS FOR BASEPLATE 基座尺寸

TVCM TVM-06



TVCM TVM-10



F
TVC

◆ **MODEL 型 式**

ZTC-04T



- These valves are used as cam controlled unidirectional flow regulators.
- Normally mounted in line between actuator and directional valve for the displacement of carriages or slides, they enable cam controlled acceleration or deceleration of the moving mass.
- A special internal check valve allows free flow the opposite direction.

- 減速閥由凸輪控制。
- 通常裝在液壓缸和換向閥之間，用來控制滑座的位置。
- 用凸輪控制運動部件的加速和減速。
- 特殊的內控單向閥允許油液反向流動。

◆ **SPECIFICATIONS 規 格**

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Flow 流量 lpm	Weight 重量 Kg
ZTC-04T	180 (2625psi)	40 (10.56 gpm)	2.8 (1.29 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	

◆ **HOW TO ORDER 編號說明**

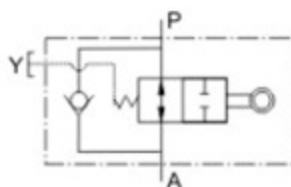
1	2	3
ZTC	— 04	T

- 1 VALVE SERIES 系列名稱**
ZTC = Deceleration Valve Series

- 2 SUBPLATE MOUNTING SIZE: 基座口徑**
04=1/2"(12mm) ISO CETOP7
DIN NG 16 NFPA D07

- 3 CONNECTING TYPE 連接型式**
T: TYPE: THREADING TYPE
(螺紋連接)
T: Standard Type 標準型 (PT)
B: BSP
F: PF (G)
N: NPT

◆ **CONTROL PORT(S) 動作形式**



◆ **DIMENSIONS 外型尺寸圖**

