

SOLENOID OPERATED DIRECTIONAL VALVES

WE SERIES

電磁換向閥

◆ MODEL 型 式

WE-02G-20



WE-02G-30



◆ FEATURES

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

特 點

- 閥本體鑄鐵強度與耐用性，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	Maximum tank line back pressue 最大背壓值 bar	Maximum tank frequencies of operation 最高切換頻率 CPM	Maximum Flow 最大流量 lpm	Weight 重 量 Kg
WE- *C*-02G-**-20	315 (4500 psi)	210 (3000 psi)	300 CPM	100 (26.4 gpm)	1.9 (4.2 lbs)
WE- *B*-02G-**-20					1.4 (3.1 lbs)
WE- *C*-02G-**-30					1.9 (4.2 lbs)
WE- *B*-02G-**-30					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 污染標準			ISO4406, 21/19/16 NAS1638,10		
Surface Treatment 表面處理			Zinc Phosphate Compound 磷 鋅 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	4	5	6	7
WE	***	02	G	**	**	20

1 VALVE SERIES 系列名稱

WE=Solenoid Operated Directional Valves

2 SPOOL TYPE 滑柱型式

Detail as next page listed 明細見下頁

3 SUBPLATE MOUNTING SIZE: 滑柱口徑

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

4 CONNECTING TYPE 連接型式

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

5 TYPE OF COIL 電磁線圈型號

A1 : AC110 60HZ D1 : DC12
A115 : AC115 50HZ D2 : DC24
A230 : AC230 50HZ R1 : RF110 60HZ/50HZ
A2 : AC220 60HZ R2 : RF220 60HZ/50HZ

6 ADJUSTING WAY 調整方式

NONE : STANDARD 無：標準型
AK : A WITH MANUAL PUSH-BUTTON AK: A帶手動按鈕
BK : B WITH MANUAL PUSH-BUTTON BK: B帶手動按鈕
WK : A/B WITH MANUAL PUSH-BUTTON WK: A/B帶手動按鈕

7 WIRING TYPE 接線型式

20 : WIRING BOX TYPE 接線盒式
30 : DIN TYPE (DIN 43665-ANSI0400)
DIN型 (DIN 43665-ANSI0400)
40P: AMP JUNIOR (APPLICATION FOR DC COIL, IRON COVER / IP65)
AMP 接線端 (只適用於DC線圈, 鐵殼外殼 / IP65)
42D: DT04-2P-V TYPE (APPLICATION FOR DC COIL, IRON COVER / IP65)
DT04-2P-V型 (只適用於DC線圈, 鐵殼外殼 / IP65)
45X: DOUBLE LEAD (APPLICATION FOR DC COIL)
雙接線方式 (只適用於DC線圈)

● More information of coil please refer our catalogue, coil, or contact with us.
以上線圈詳細資料請參閱線圈目錄或與本公司聯繫

SOLENOID OPERATED DIRECTIONAL VALVES

電磁換向閥

WE SERIES

◆SOLENOID RATINGS: 電磁定率

ELECTRIC SOURCE 電 源	COIL TYPE 電磁線圈型	VOLTAGE(V) 電 壓			CURRENT & POWER AT RATED VOLTAGE 最大電壓的電流和電功率		
		SOURCE RATED 最大電	HZ 頻率	RANGE 範圍	IN-RUSH 啟動電流 CURRENT(A)	HOLDING 固定電流 CURRENT(A)	WATTAGE 瓦特數
AC	A1	AC100	50	80~110	2.2	0.52	25
			60		2.0	0.38	22
		AC110	60	90~120	2.2	0.46	28
	A115	AC110	50	90~120	2.0	0.47	25
			60		1.8	0.35	22
		AC115	60	100~130	2.0	0.42	28
	A2	AC200	50	160~220	1.1	0.26	25
			60		1.0	0.19	22
		AC220	60	180~240	1.1	0.23	28
	A230	AC220	50	180~240	1.0	0.24	25
			60		0.91	0.17	22
		AC230	60	200~260	1.0	0.21	28
	A24	AC 24V	50	21~28		2.4	
			60			2.1	
	R1	AC110	50	100~125		0.31	32
			60				
	R2	AC200	50	180~220		0.18	32
			60				
DC	D1	DC12	—	10.8~13.2		2.5	30
	D2	DC24	—	21.6~26.4		1.25	30

● Above value based on temperature 30°C, electric voltage allowance 15%.
以上數據係根據溫度30°C，電壓容許度15%。

◆SPOOL TYPES 滑柱型式

SPRING CENTERED 3 POSITIONS 彈簧中心三位型

WE-3C2 	WE-3C3 	WE-3C4 	WE-3C40
WE-3C5 	WE-3C6 	WE-3C7 	WE-3C8
WE-3C9 	WE-3C10 	WE-3C11 	WE-3C12

NO SPRING 2 POSITIONS 無彈簧二位型

WE-2D2 	WE-2D3
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SPRING 2 POSITIONS 彈簧二位型

WE-2B2 	WE-2B3
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A
WE

SOLENOID OPERATED DIRECTIONAL VALVES

WE SERIES

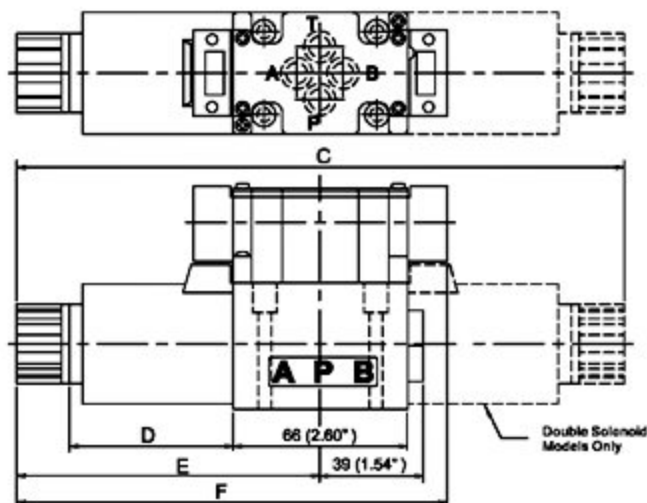
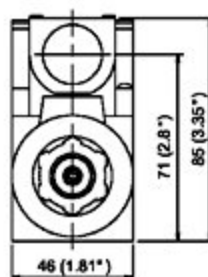
電磁換向閥

2 POSITIONS 二位

TYPE 類型	GRAPHIC SYMBOLS 圖形符號		TYPE 類型	TYPE 類型	GRAPHIC SYMBOLS 圖形符號		TYPE 類型
	STANDARD ASSEMBLAGE 標準配管	REVERSE ASSEMBLAGE 反向配管			STANDARD ASSEMBLAGE 標準配管	REVERSE ASSEMBLAGE 反向配管	
2B2A			2B2AL	2B2B			2B2BL
2B3A			2B3AL	2B3B			2B3BL
2B4A			2B4AL	2B4B			2B4BL
2B40A			2B40AL	2B40B			2B40BL
2B5A			2B5AL	2B5B			2B5BL
2B6A			2B6AL	2B6B			2B6BL
2B7A			2B7AL	2B7B			2B7BL
2B8A			2B8AL	2B8B			2B8BL
2B9A			2B9AL	2B9B			2B9BL
2B10A			2B10AL	2B10B			2B10BL
2B11A			2B11AL	2B11B			2B11BL
2B12A			2B12AL	2B12B			2B12BL

◆ DIMENSIONS 外型尺寸圖

WE-02G-**-20



MODEL	C	D	E	F
WE-02G-A2-20	206(8.11")	50(1.97")	103(4.06")	151(5.94")
WE-02G-D2-20	220(8.66")	60.8(2.39")	110(4.33")	158(6.22")

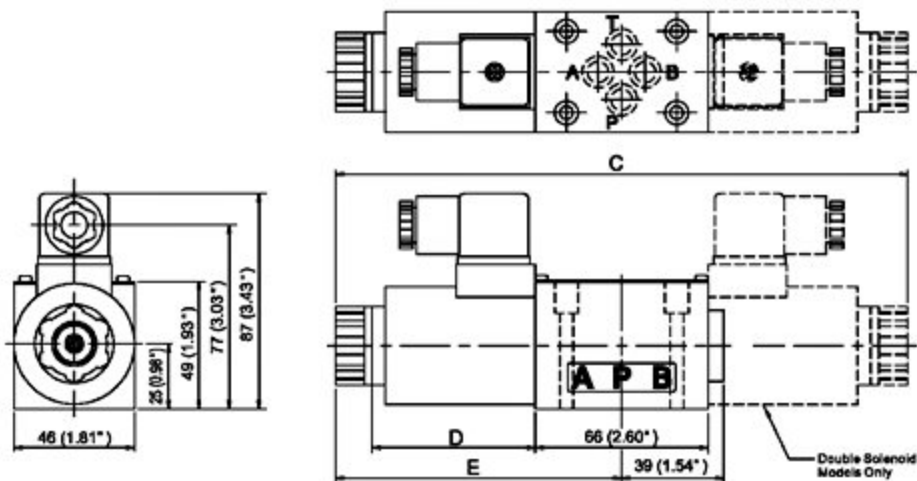
SOLENOID OPERATED DIRECTIONAL VALVES

電磁換向閥

WE SERIES

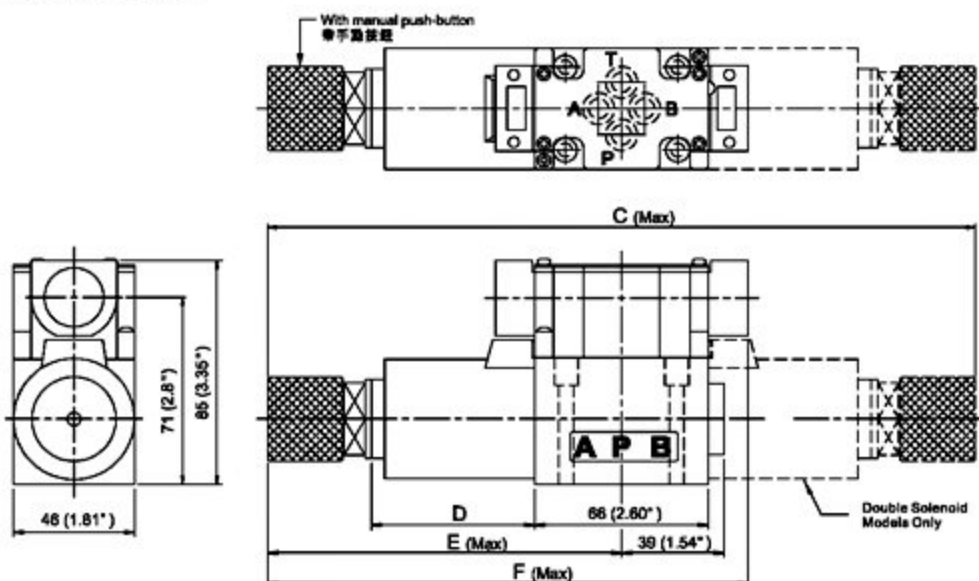
◆ DIMENSIONS 外形尺寸

WE-02G-**-30



MODEL	C	D	E
WE-02G-A2-30	206(8.11")	50(1.97")	103(4.06")
WE-02G-D2-30	220(8.66")	60.8(2.39")	110(4.33")

WE-02G-**-K-20



MODEL	C	D	E	F
WE-02G-A2-K-20	260(10.25")	50(1.97")	130(5.12")	178(7.01")
WE-02G-D2-K-20	282(11.10")	60.8(2.39")	141(5.55")	189(7.44")

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WE

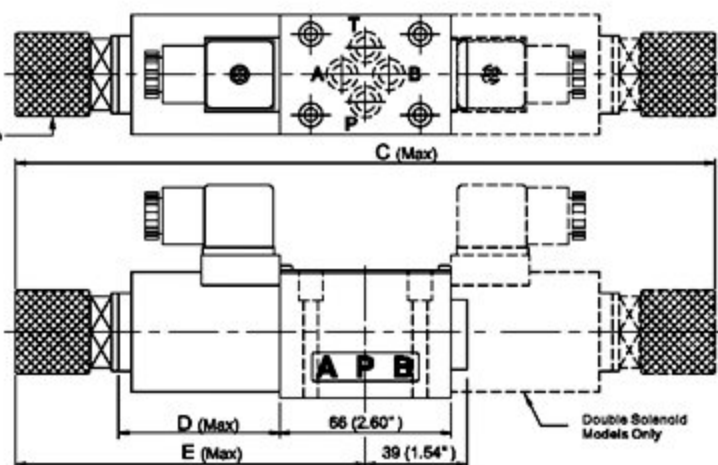
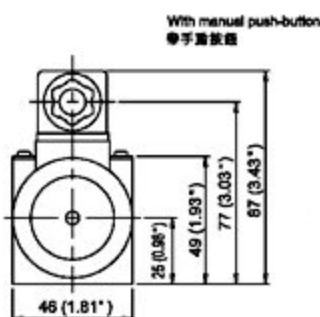
SOLENOID OPERATED DIRECTIONAL VALVES

WE SERIES

電磁換向閥

◆ DIMENSIONS 外形尺寸

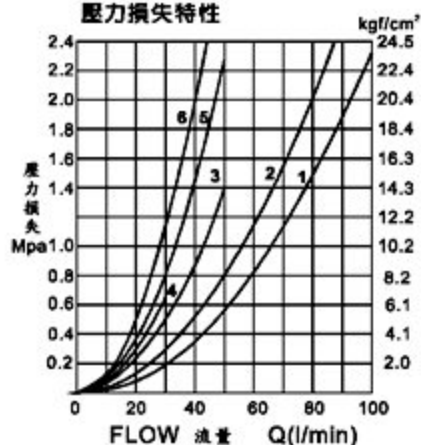
WE-02G-**-K-30



MODEL	C	D	E
WE-02G-A2-K-20	260(10.25")	50(1.97")	130(5.12")
WE-02G-D2-K-20	282(11.10")	60.8(2.39")	141(5.55")

◆ PERFORMANCE 性能

壓力損失特性

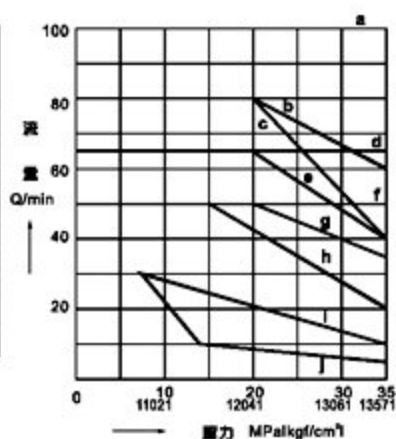


作動油粘度 32mm²/s1cST

作動配號	P-A	P-B	A-T	B-T	P-T
2B2	2	2	2	2	-
2D2	2	2	2	2	-
2B3,2D3	1	1	1	1	-
3C3	1	1	1	1	1
2B2B,3C2,3C40	2	2	2	2	-
3C12	2	2	1	2	-
3C11	1	2	2	2	-
3C4	2	2	1	1	-
3C6	6	6	5	5	3
3C5	1	6	2	5	3
3C9	1	1	2	2	-

壓力-流量

作動配號	作動例	2B2, 2D2, 2B3, 2D3, 2B2B, 3C12, 3C4, 3C11, 3C2, 3C40, 3C9	3C3	3C6, 3C5
2B2	b	j	j	j
2D2	a	j	j	j
2B3	d	d	d	d
2D3	d	d	d	d
2B2B	a	-	j	j
3C12, 3C4	c	j	j	j
3C11, 3C2, 3C40, 3C9	a	j	j	j
3C3	f	f	f	f
3C6, 3C5	g	j	j	j



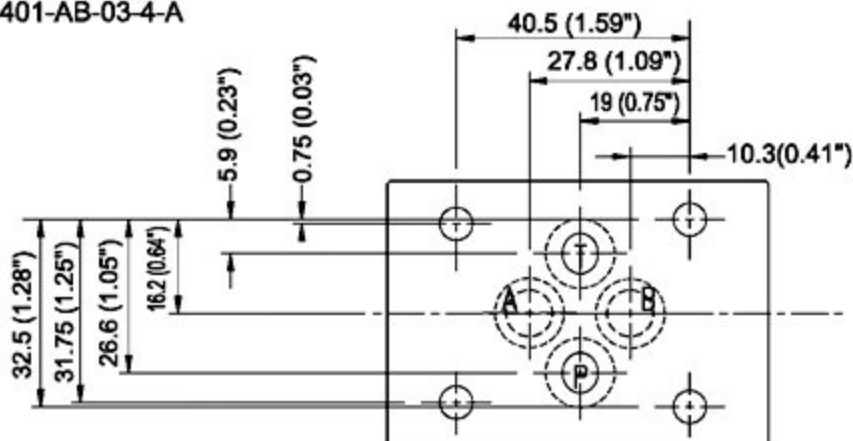
SOLENOID OPERATED DIRECTIONAL VALVES

電磁換向閥

WE SERIES

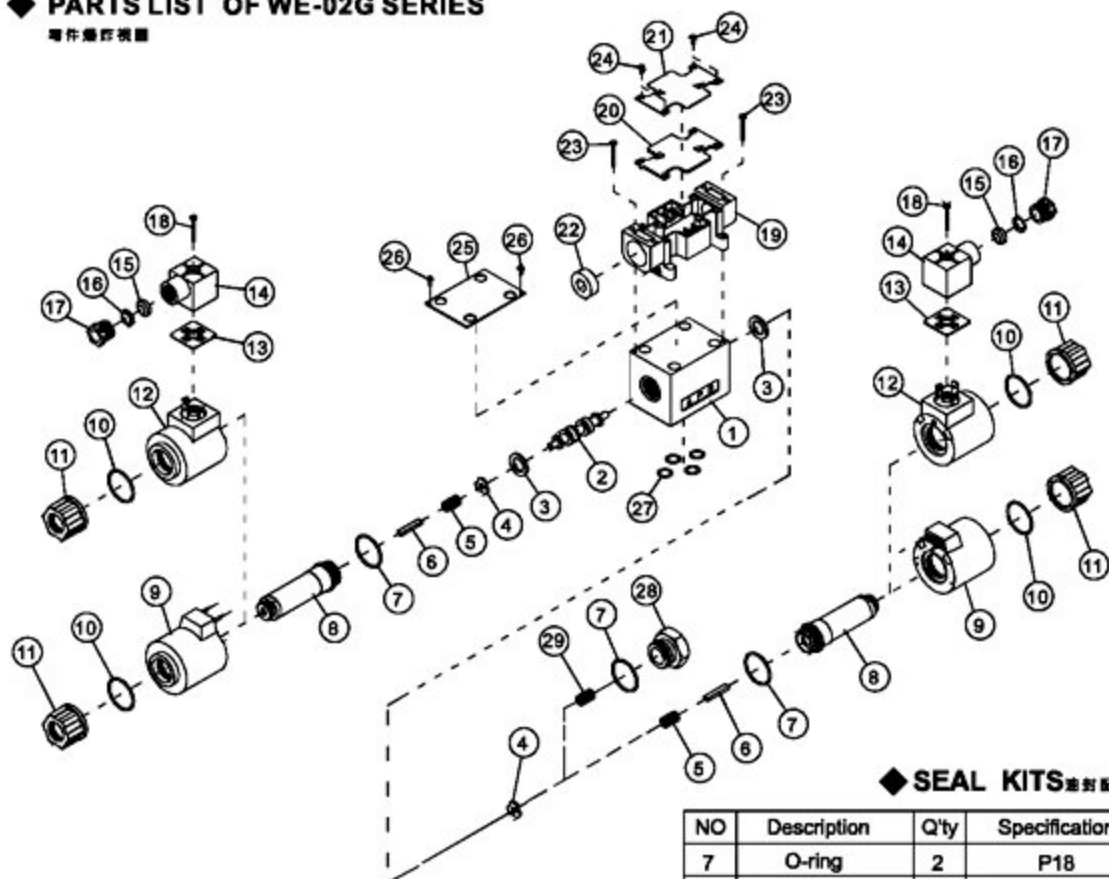
◆ Mounting Interface 安裝尺寸

ISO 4401-AB-03-4-A



◆ PARTS LIST OF WE-02G SERIES

零件爆炸圖



◆ SEAL KITS 密封配件

NO	Description	Q'ty	Specification
7	O-ring	2	P18
10	O-ring	2	P18
27	O-ring	4	P9

● For information of subplate please visit our website catalogue _M02/03/04/06/10, or contact with us.

請參閱本公司網站目錄_M02/03/04/06/10,或與本公司聯繫

SOLENOID OPERATED DIRECTIONAL VALVES

WEH SERIES

電磁換向閥

A
WEH

◆ MODEL 型 式

WEH-03G



◆ FEATURES

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

特 點

- 閥本體鑄鐵強度與耐用性・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	Maximum tank line back pressure 最大背壓 bar	Maximum tank frequencies of operation 最高切換頻率 CPM	Maximum Flow 最大流量 lpm	Weight 重量 Kg
WEH-*C*-03G-*20	350 (5076 psi)	210 (3045 psi)	300 CPM	160 (42.26 gpm)	
WEH-*B*-03G-*20					
WEH-*C*-03G-*30					
WEH-*B*-03G-*30					
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		
Surface Treatment 表面處理			Zinc Phosphate Compound 磷化處理 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，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
WEH	***	03	G	**	20

1 VALVE SERIES 系列名稱

WEH=Solenoid Operated Directional Valves

2 SPOOL TYPE 滑柱型式

Detail as next 明細見下頁
page listed

3 SUBPLATE MOUNTING SIZE: 稱呼口徑

03 = 3/8"(9mm)
ISO CETOP5
DIN NG 10
NFPA D05

4 CONNECTING TYPE 連接型式

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

5 TYPE OF COIL 電磁閥電線線圈類型

A1 : AC110 60HZ D1 : DC12
A115 : AC115 50HZ D2 : DC24
A230 : AC230 50HZ R1 : RF110 60HZ/50HZ
A2 : AC220 60HZ R2 : RF220 60HZ/50HZ

6 WIRING TYPE 接線型式

20: WIRING BOX TYPE 接線盒式
30: DIN TYPE DIN型

SOLENOID OPERATED DIRECTIONAL VALVES

電磁換向閥

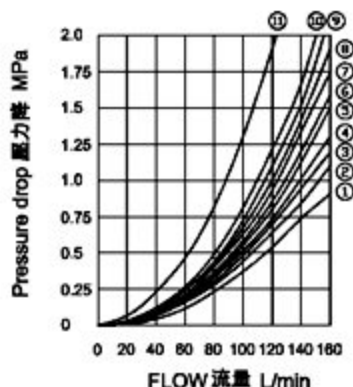
WEH SERIES

◆ SOLENOID RATINGS: 電磁定率

ELECTRIC SOURCE 電源	COIL TYPE 電磁線圈類型	VOLTAGE(V) 電壓		CURRENT & POWER AT RATED VOLTAGE 最大電壓的電流和電功率		
		SOURCE RATED 最大電壓	HZ 頻率	IN-RUSH 啓動電流 CURRENT(A)	HOLDING 固定電流 CURRENT(A)	WATTAGE 瓦特數
AC	A1	AC100	50	6.8	0.69	60
			60	5.9	0.49	51
		AC110	60	6.5	0.59	63
	A2	AC200	50	3.4	0.35	84
			60	3.0	0.25	70
		AC220	60	3.3	0.30	88
	A230	AC220	50	3.1	0.32	56
		AC230	60	2.9	0.26	56
		AC240	60	3.0	0.27	62
DC	R2	AC220	50/60	—	0.2	38
	D1	DC12	—	—	3.17	38
	D2	DC24	—	—	1.58	38

● Above value based on temperature 30°C, electric voltage allowance 15%.
以上數據基於溫度30°C，電壓容許度15%。

◆ PERFORMANCE CURVES 性能曲線



Pressure Drop Curve Number 壓力降曲線號碼								
Spool Type 滑柱型式	Change Movement 切換時				Neutral 中立時			
	P→A	B→T	P→B	A→T	P→T	A→B	B→A	P→B
C2	5	3	5	3	—	—	—	—
C3	7	10	7	10	8	8	8	8
C4	5	9	5	9	—	4	4	—
C5	8	3	9	11	10	2	—	6
C6	1	10	1	10	11	—	—	—
C8	5	—	5	—	—	—	—	—
C9	6	3	6	3	—	—	7	7
C10	5	9	5	3	—	4	—	—
C12	5	3	5	9	—	4	—	—
2B2	8	3	8	3	—	—	—	—
2B3	8	9	8	8	—	—	—	—
2D2	7	3	7	3	—	—	—	—

◆ SPOOL TYPES 滑柱型式

SPRING CENTERED 3 POSITIONS 彈簧中心三位

WE-3C2	WE-3C3	WE-3C4	WE-3C40
WE-3C5	WE-3C6	WE-3C7	WE-3C8
WE-3C9	WE-3C10	WE-3C11	WE-3C12

NO SPRING 2 POSITIONS 無彈簧二位

WE-2D2	WE-2D3
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SPRING 2 POSITIONS 彈簧二位

WE-2B2	WE-2B3
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SOLENOID OPERATED DIRECTIONAL VALVES

WEH SERIES

電磁換向閥

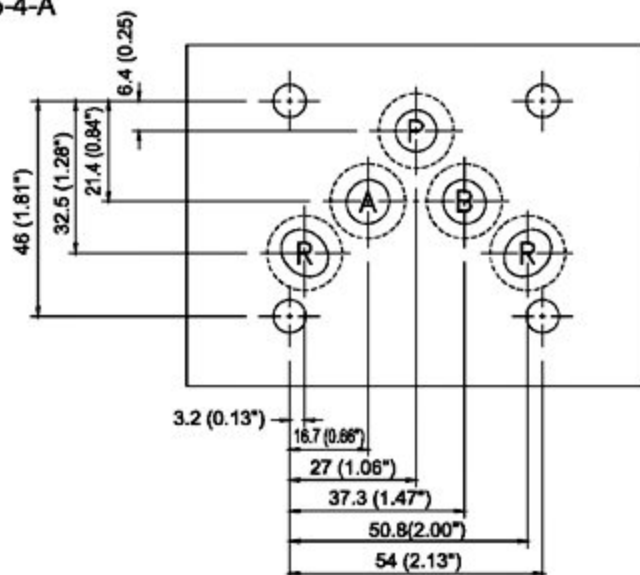
A
WEH

2 POSITIONS二位

TYPE 類型	GRAPHIC SYMBOLS 圖形符號		TYPE 類型	TYPE 類型	GRAPHIC SYMBOLS 圖形符號		TYPE 類型
	STANDARD ASSEMBLAGE 標準配管	REVERSE ASSEMBLAGE 反向配管			STANDARD ASSEMBLAGE 標準配管	REVERSE ASSEMBLAGE 反向配管	
2B2A			2B2AL	2B2B			2B2BL
2B3A			2B3AL	2B3B			2B3BL
2B4A			2B4AL	2B4B			2B4BL
2B40A			2B40AL	2B40B			2B40BL
2B5A			2B5AL	2B5B			2B5BL
2B6A			2B6AL	2B6B			2B6BL
2B7A			2B7AL	2B7B			2B7BL
2B8A			2B8AL	2B8B			2B8BL
2B9A			2B9AL	2B9B			2B9BL
2B10A			2B10AL	2B10B			2B10BL
2B11A			2B11AL	2B11B			2B11BL
2B12A			2B12AL	2B12B			2B12BL

◆ Mounting Interface 基座尺寸圖

ISO 4401-AC-05-4-A

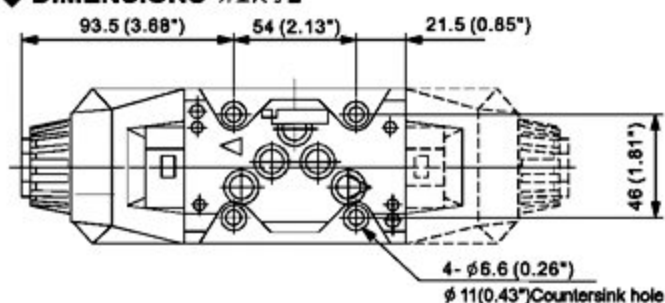


SOLENOID OPERATED DIRECTIONAL VALVES

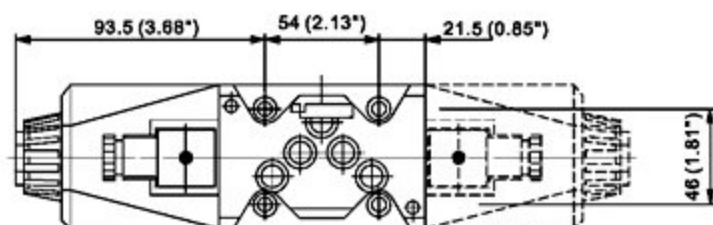
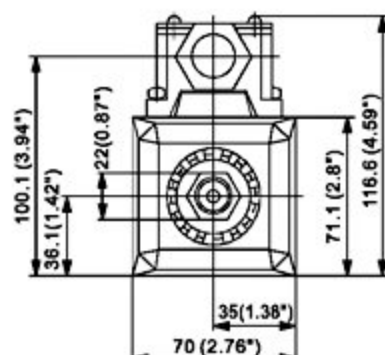
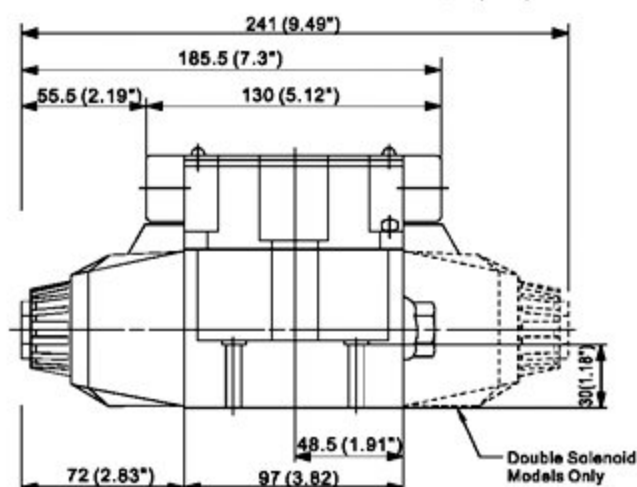
電磁換向閥

WEH SERIES

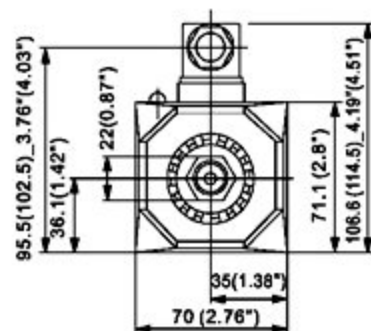
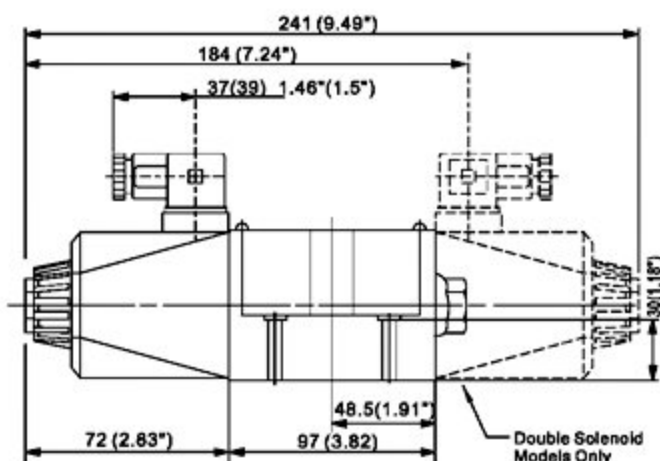
◆ DIMENSIONS 外形尺寸



WEH-03G-A2-20



WEH-03G-A2-30

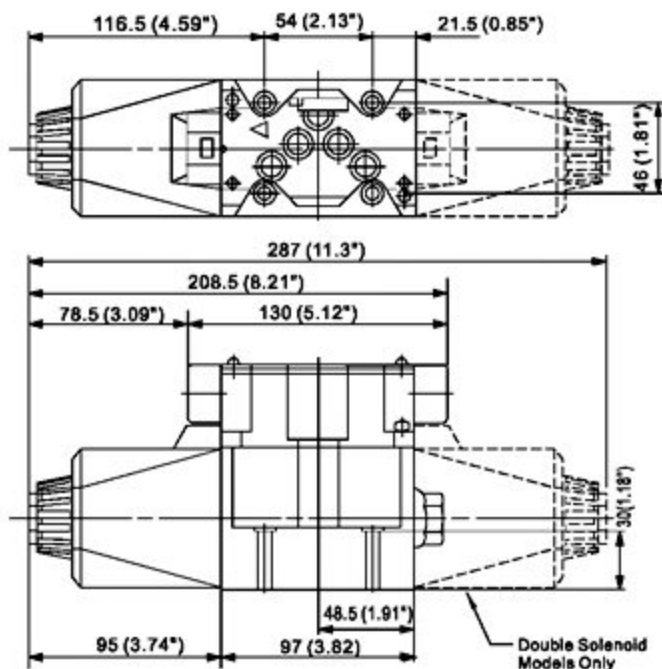


SOLENOID OPERATED DIRECTIONAL VALVES

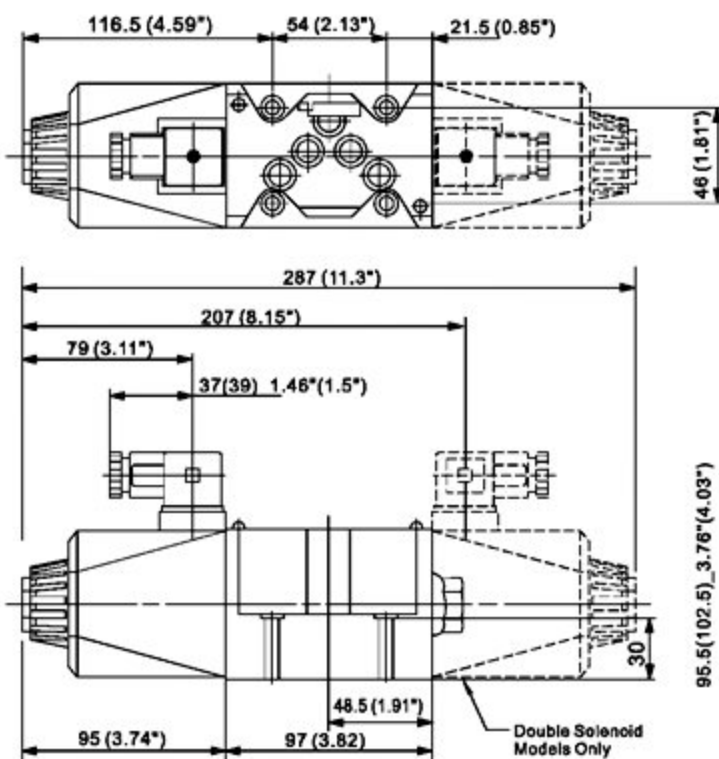
WEH SERIES

電磁換向閥

◆ DIMENSIONS 外形尺寸



WEH-03G-D2-20



WEH-03G-D2-30

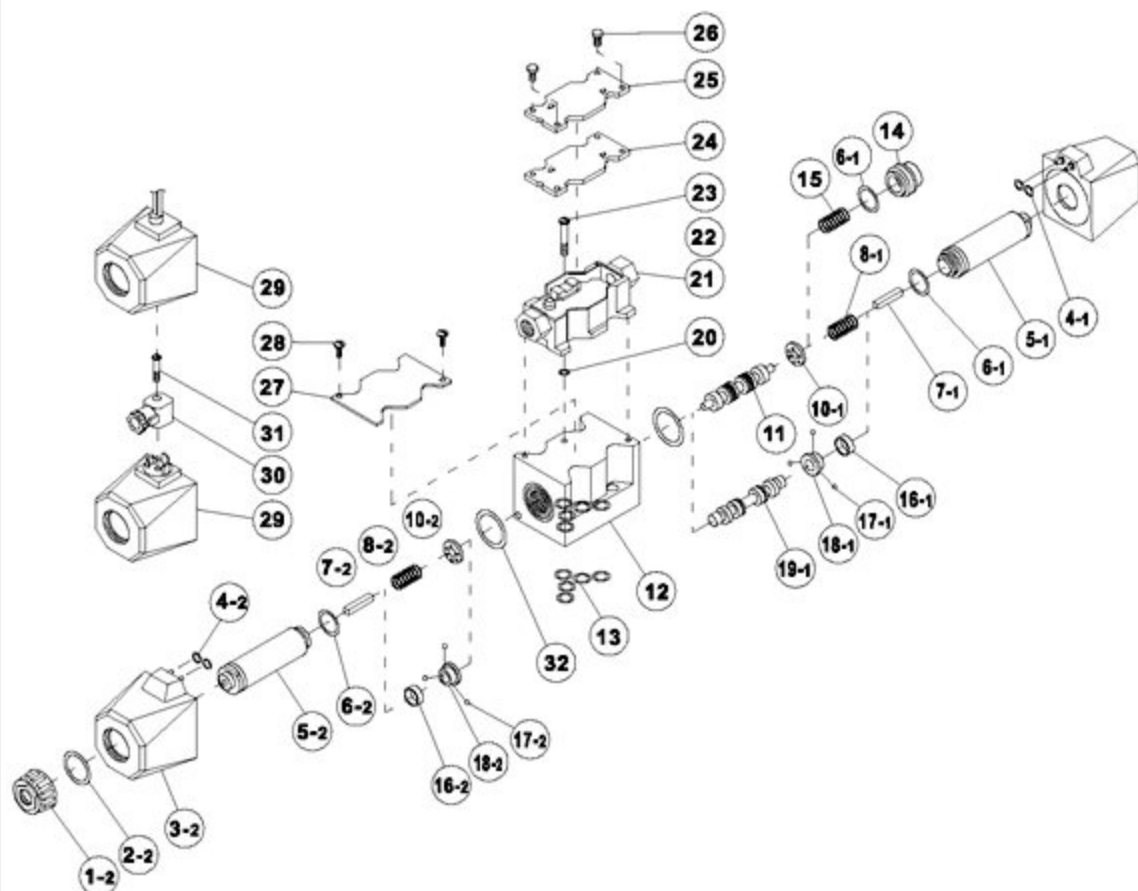
SOLENOID OPERATED DIRECTIONAL VALVES

電磁換向閥

WEH SERIES

◆ PARTS LIST OF WEH-03G SERIES

零件爆炸圖



◆ SEAL KITS 密封配件

NO	Description	Q'ty	Specification
2-2	O-ring	1	AS216
4-2	O-ring	1	P4
6-2	O-ring	1	AS-117
13	O-ring	5	P12
20	O-ring	1	AS-008

● For information of subplate please visit our website catalogue _M02/03/04/06/10, or contact with us.

請參閱本公司網站目錄_M02/03/04/06/10,或與本公司聯繫

A
WEH

SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

DS SERIES

電磁換向閥

◆ MODEL 型 式

DS-06



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Connecting PT 適用管徑	Back Pressure-"T" 背壓-"T" bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg (Weight exclude solenoid valves) 重量不含電磁閥
DS-04G	250 (3625 psi)	1/2"	210 (3046psi)	200 (52.8 gpm)	7.9 (17.42 lbs)
DSH-04G	350 (5076 psi)		250 (3628psi)	300 (79.25 gpm)	7.9 (17.42 lbs)
DS-06G	350 (5076 psi)	3/4"	250 (3628psi)	500 (132 gpm)	13.5 (29.76 lbs)
DS-10G	250 (3625 psi)	1-1/4"	210 (3046psi)	1100 (290 gpm)	51.8 (113.75 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。若需英制螺絲請與我們聯絡。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6	7	8	9
DS	— 3C2 —	04	— G —	*	*	— ** —	**	— 30

1 VALVE SERIES 系列名稱

DS= Solenoid Controlled Pilot
Operated Directional Valves

2 GRAPHIC SYMBOL 圖表符號

3C2	3C3*	3C4
3C10	3C5*	3C6*
3C60*	3C12	3C11
2B2	2B3*	2D2

3 SUBPLATE MOUNTING SIZE: 安裝口徑

04 = 1/2" (12mm)	06 = 3/4" (19mm)	10 = 1 1/4" (31.8mm)
ISO CETOP7	ISO CETOP8	ISO CETOP10
DIN NG 16	DIN NG 25	DIN NG 32
NFPA D07	NFPA D08	NFPA D10

4 CONNECTING TYPE 連接型式

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

5 RELEASE WAY 排洩方式

NONE: INNER T: OUTER
排洩方式 無: 內部 T: 外部

6 PILOT OPERATED WAY 引導閥方式

NONE: INNER E: OUTER
引導閥方式 無: 內部 E: 外部

7 ADJUSTING WAY 調整方式

NONE: STANDARD AK: A ADJUST 無: 標準型 AK: A調整
BK: B ADJUST WK: A. B ASJUST BK: B調整 WK: A. B調整

8 COIL TYPES OF SOLENOID VALVE

電磁閥電磁線圈類型
A1 : AC110 60HZ D1 : DC12
A115 : AC115 50HZ D2 : DC24
A230 : AC230 50HZ R1 : RF110 60HZ/50HZ
A2 : AC220 60HZ R2 : RF220 60HZ/50HZ

9 WIRING TYPE 接線型式

20: WIRING BOX TYPE 接線盒式
30: DIN TYPE DIN 規格

SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

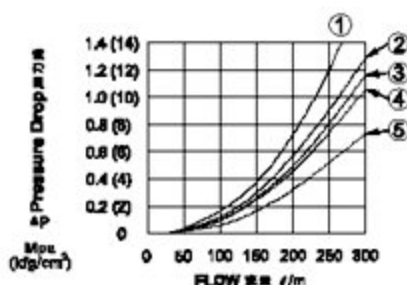
電磁控制閥

DS SERIES

◆ PERFORMANCE 性能

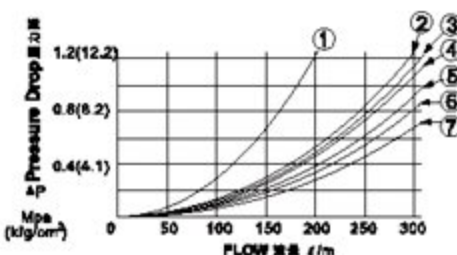
Test Conditions 試驗條件
Oil Temperature 油溫: 50°C (122°F)
Viscosity 黏度: 35 cSt (163 SSU)

● DSH-04



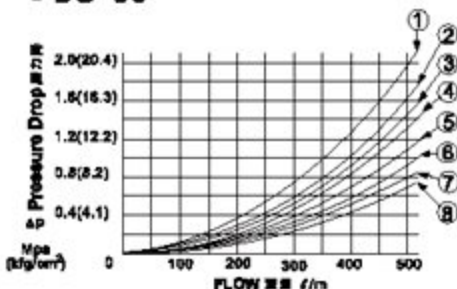
Curve Type	Pressure Drop Curve Number				
曲線形式	P→A	B→T	P→B	A→T	P→T
2	5	3	5	3	-
6	4	2	5	3	1
4	5	3	5	3	-
10	5	3	5	3	-

● DS-04



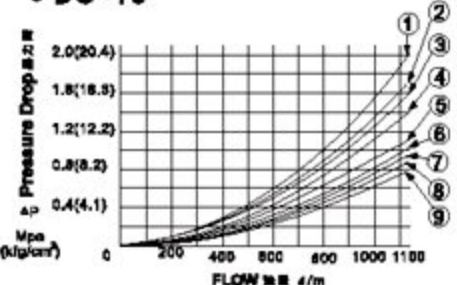
Curve Type	Pressure Drop Curve Number				
曲線形式	P→A	B→T	P→B	A→T	P→T
2	5	2	5	2	6
3	5	3	5	5	7
4	5	2	3	5	5
40	5	2	4	7	5
5	7	4	5	5	5
6	5	6	3	4	5

● DS-06



Curve Type	Pressure Drop Curve Number				
曲線形式	P→A	B→T	P→B	A→T	P→T
2	8	6	5	1	8
3	8	4	6	7	8
4	8	6	5	2	8
40	8	5	8	7	-
5	8	4	5	7	2
6	5	1	5	4	3

● DS-10



Curve Type	Pressure Drop Curve Number				
曲線形式	P→A	B→T	P→B	A→T	P→T
2	8	8	5	3	8
3	7	6	7	7	5
4	8	8	5	5	8
40	9	6	9	8	-
5	9	8	8	8	1
6	5	3	5	4	2

A
DS

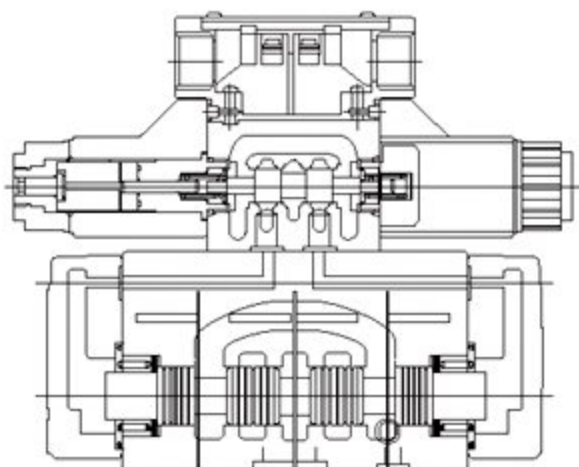
SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

DS SERIES

電磁換向閥

◆ SECTION ■■■

DS-***-04G-A*-20



內部溢流・外部溢流均無
Without Plug When Valve
Is Internally Drained.

外部溢流時・無須溢流閥
With Plug When Valve
Is Externally Drained.

內部溢流・外部溢流均無
Without Plug When Valve
Is Internally Drained.

外部溢流時・無須溢流閥
With Plug When Valve
Is Externally Drained.



Y



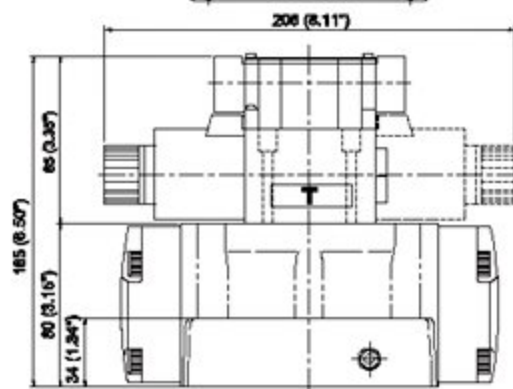
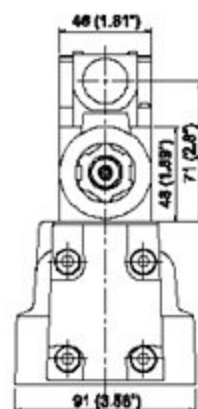
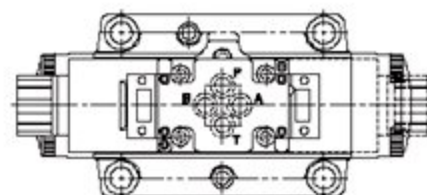
X

ACCESSORIES 附屬配件

DS-04G	HEX COUNTER-SINK SCREW	4	M10 x 4SL
		2	M6 x 4DL
DSH-04G	HEX COUNTER-SINK SCREW	4	M10 x 6SL
		2	M6 x 5SL
DS-06G	HEX COUNTER-SINK SCREW	6	M12 x 6SL
DS-10G	HEX COUNTER-SINK SCREW	6	M20 x 70L

◆ DIMENSIONS 外觀尺寸圖

DS-***-04G-A*-20



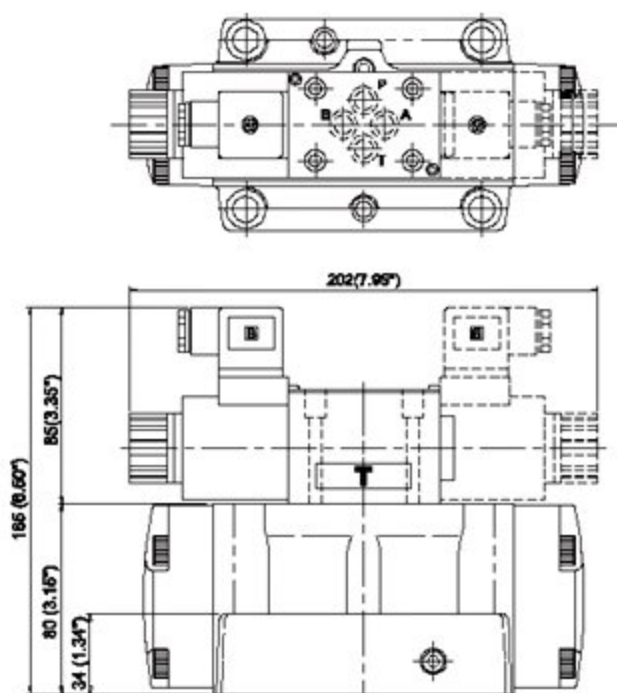
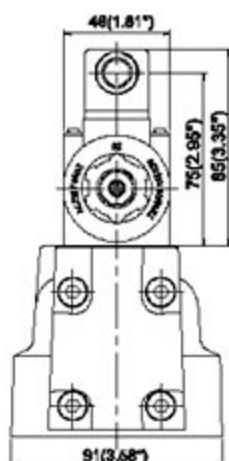
SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

電磁式方向弁

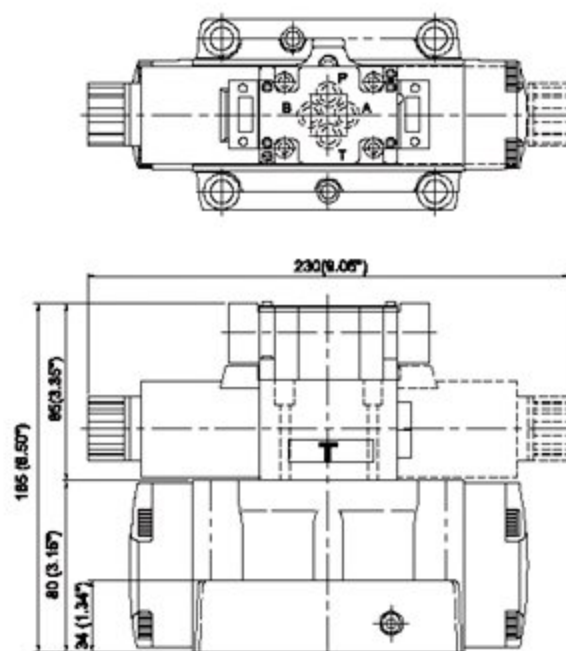
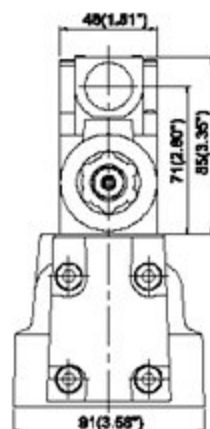
DS SERIES

◆ DIMENSIONS 外形寸法

DS-***-04G-A * -30



DS-***-04G-D * -20



A
DS

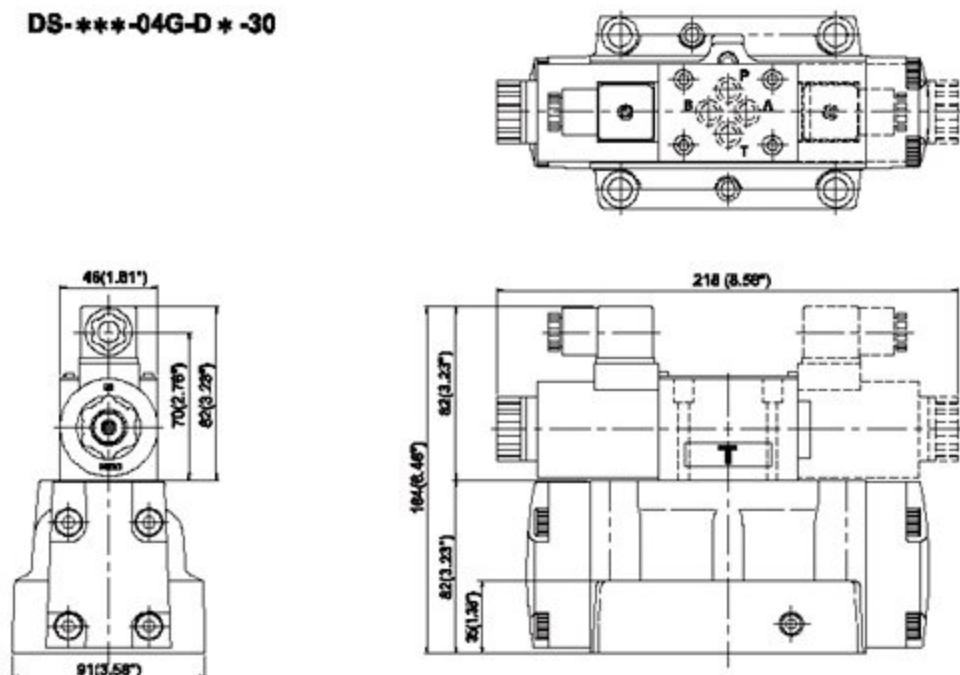
SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

DS SERIES

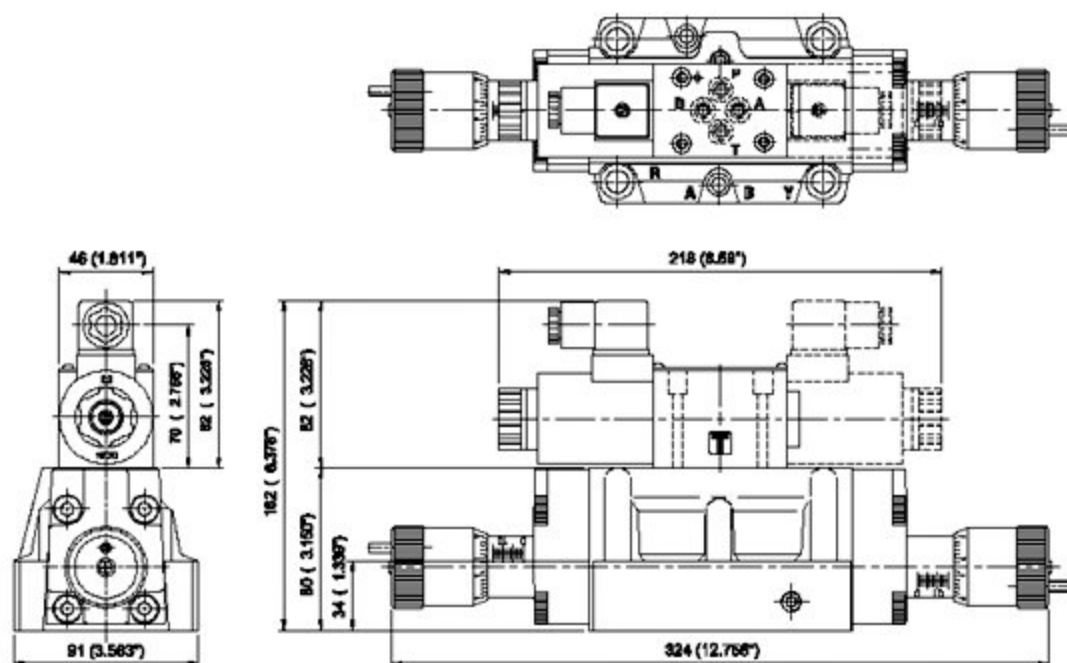
電磁換向閥

◆ DIMENSIONS 外形尺寸圖

DS-***-04G-D*-30



DS-***-04G-WK-D*-30



SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

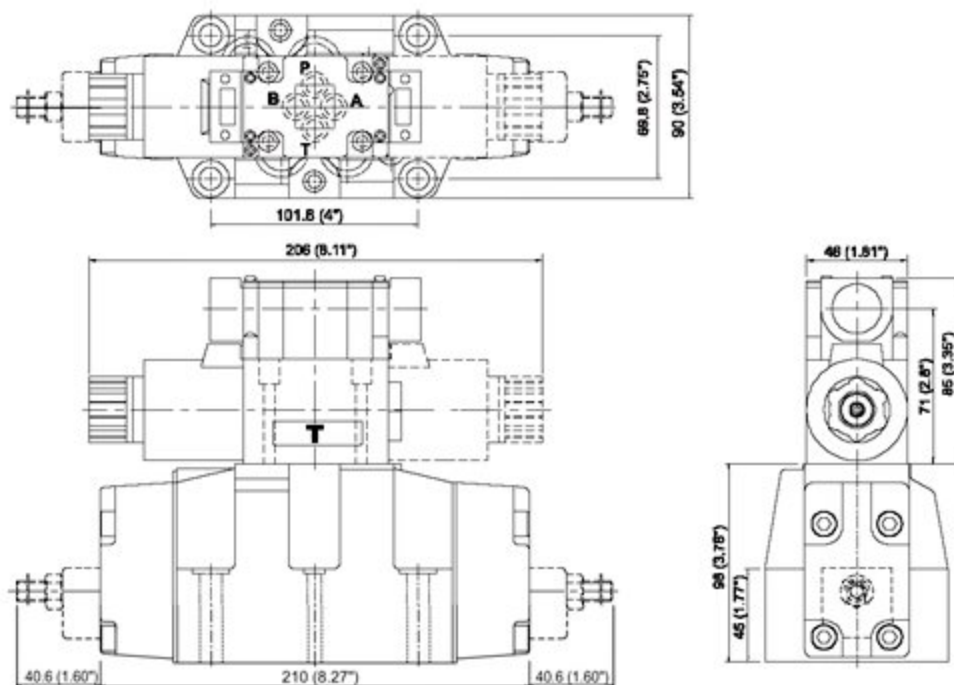
電磁換向閥

DS SERIES

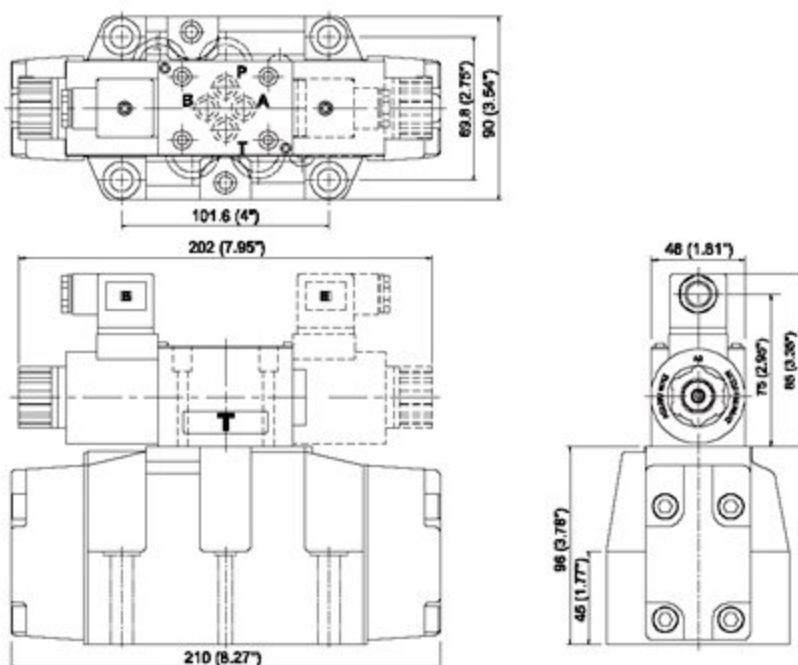
◆ DIMENSIONS 外形尺寸圖

DSH-***-04G-A*-20

DSH-04G-WK-20



DSH-***-04G-A*-30



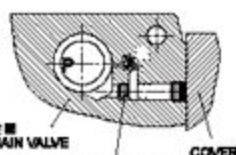
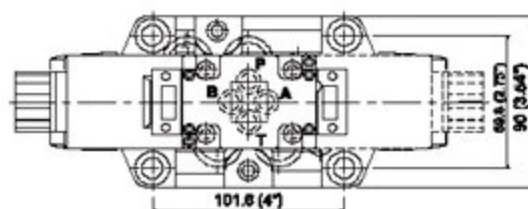
SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

DS SERIES

電磁換向閥

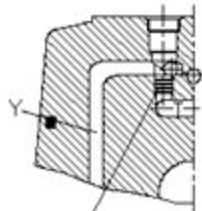
◆ DIMENSIONS 外形尺寸圖

DSH-***-04G-D * -20

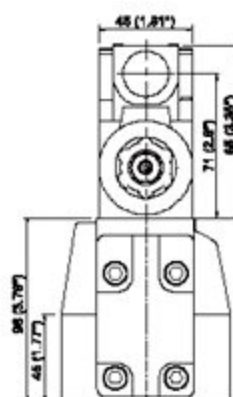
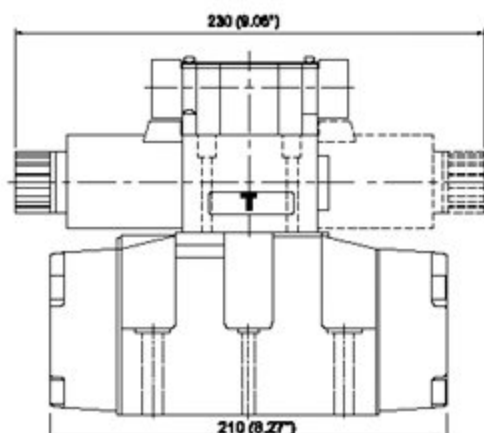


1. Without Plug (Please Release Screw)
When Valve is Internally Picked.
內用螺絲時, 螺絲鬆開時

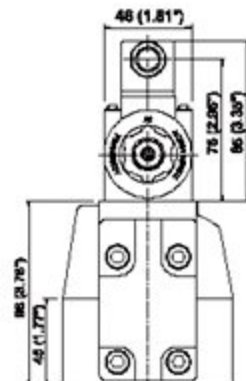
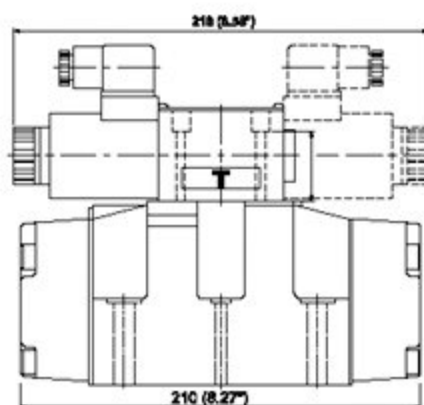
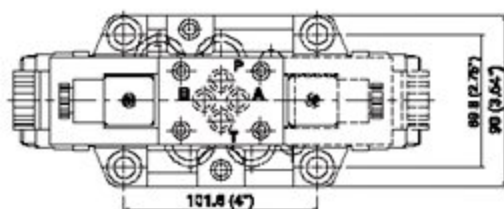
2. P Hole With Check Valve.
(Please Release Screw) And
To Be Outer Lead.
P孔處加上止回閥, 螺絲鬆開時
外引, 或外引外引



1. WITHOUT PLUG
(PLEASE RELEASE SCREW)
WHICH VALVE IS INTERNALLY
DRAINED.
內用螺絲時, 螺絲鬆開時



DSH-***-04G-D * -30



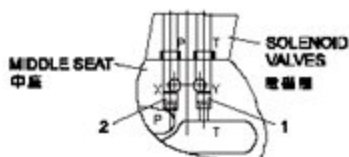
SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

電磁控制閥

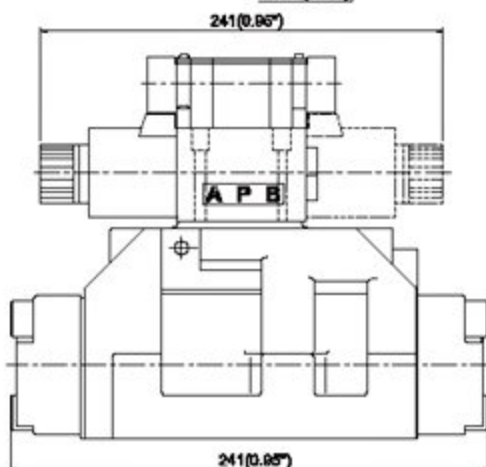
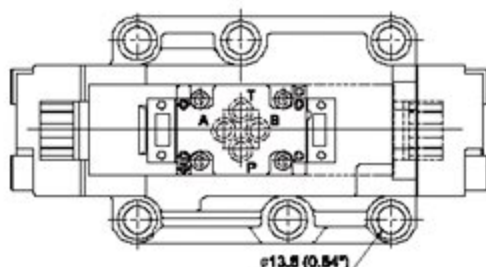
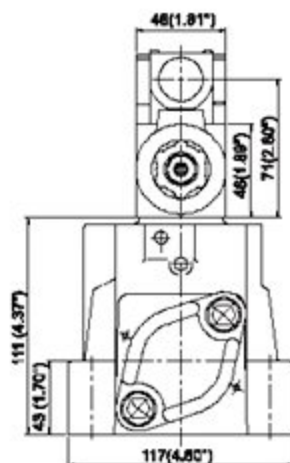
DS SERIES

◆ DIMENSIONS 外觀尺寸圖

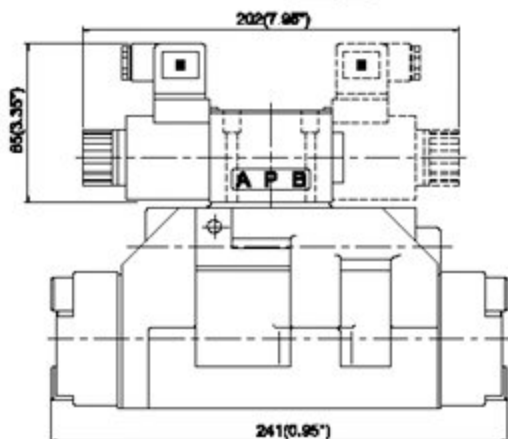
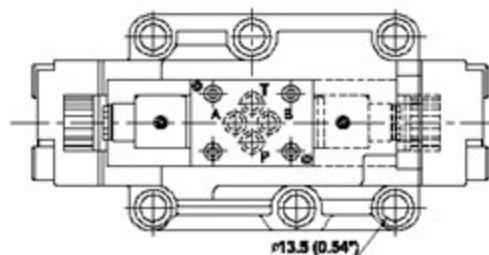
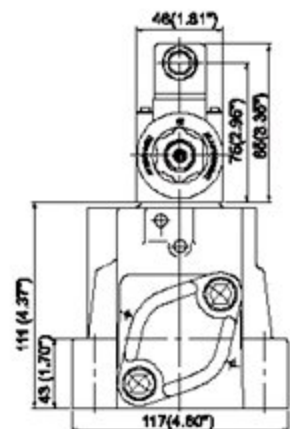
DS-***-06G-A*-20



Take the plug 1 and 2 for using inner load and inner release oil.
如要使用內荷引壓和內卸油時，可裝1、2號取油口即可。



DS-***-06G-A*-30



A
DS

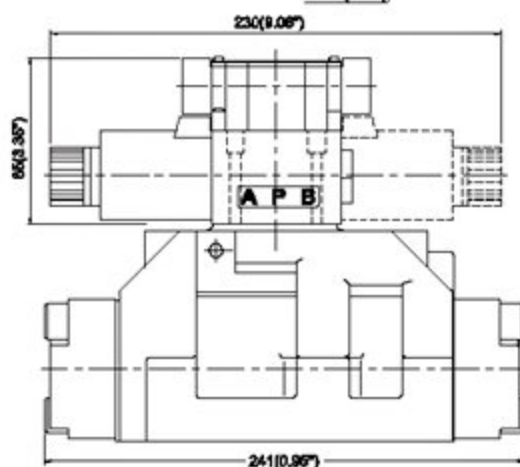
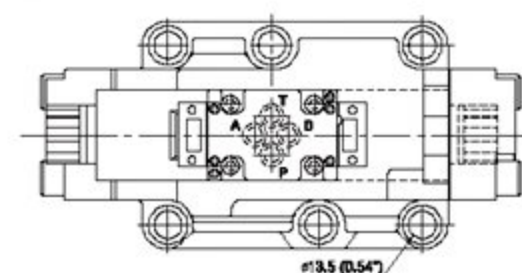
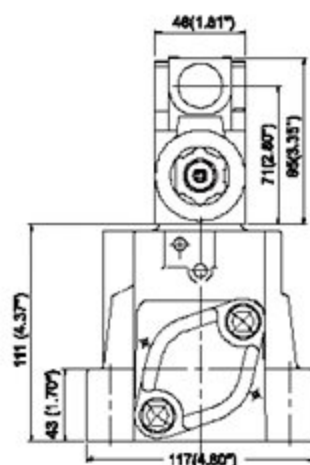
SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

DS SERIES

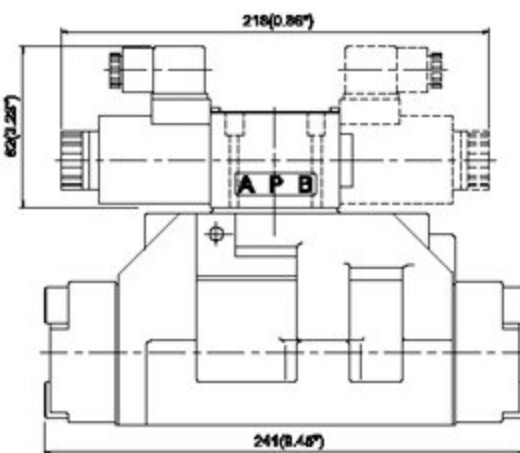
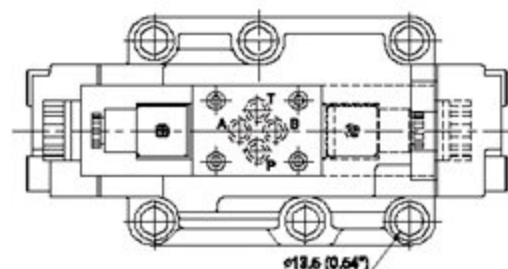
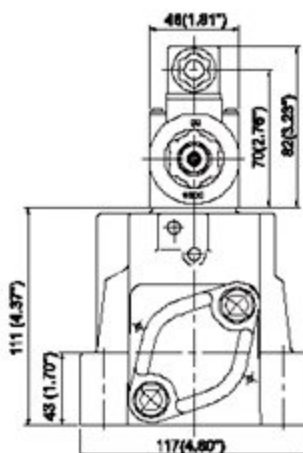
電磁換向閥

◆ DIMENSIONS 外形寸法

DS-***-06G-D * -20



DS-***-06G-D * -30



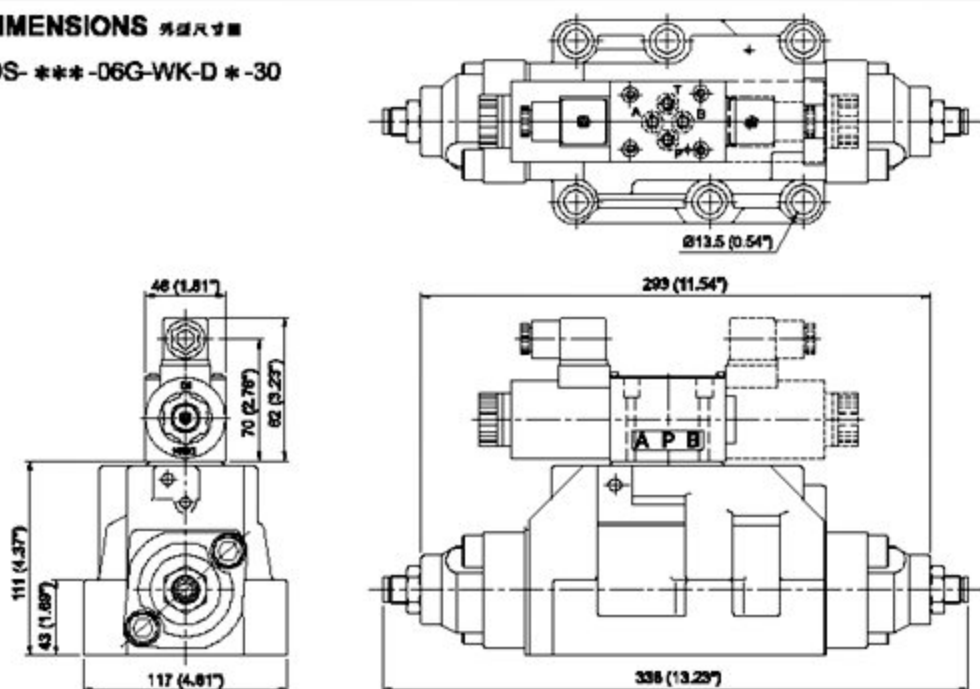
SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

電磁液動閥

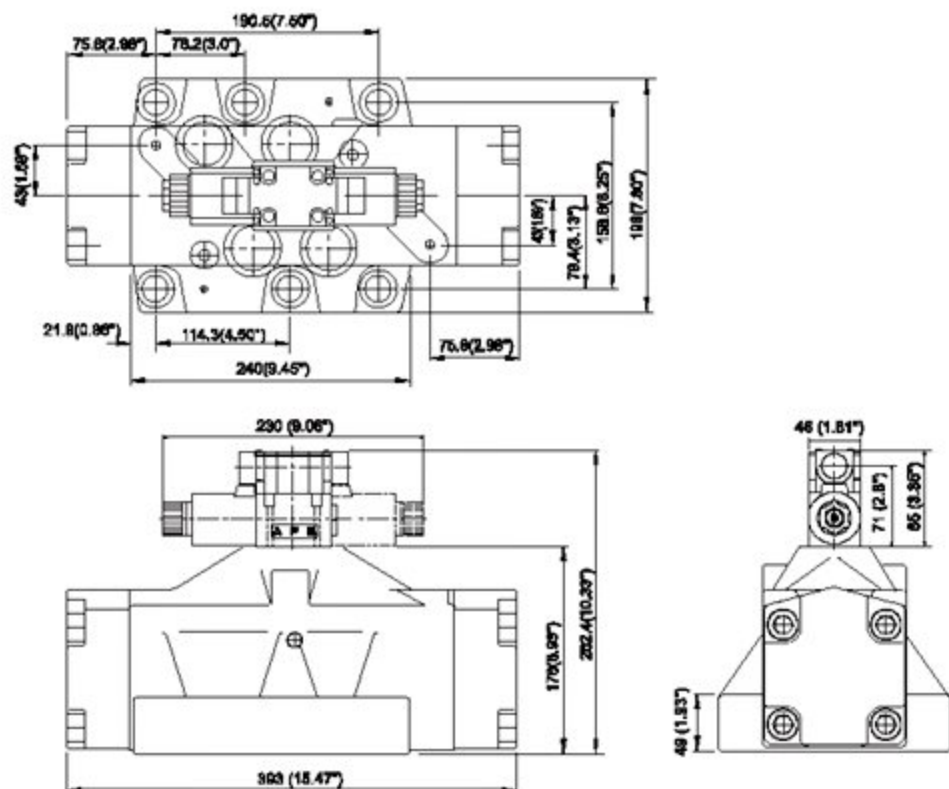
DS SERIES

◆ DIMENSIONS 外形尺寸圖

DS-***-06G-WK-D*-30



DS-***-10G-***



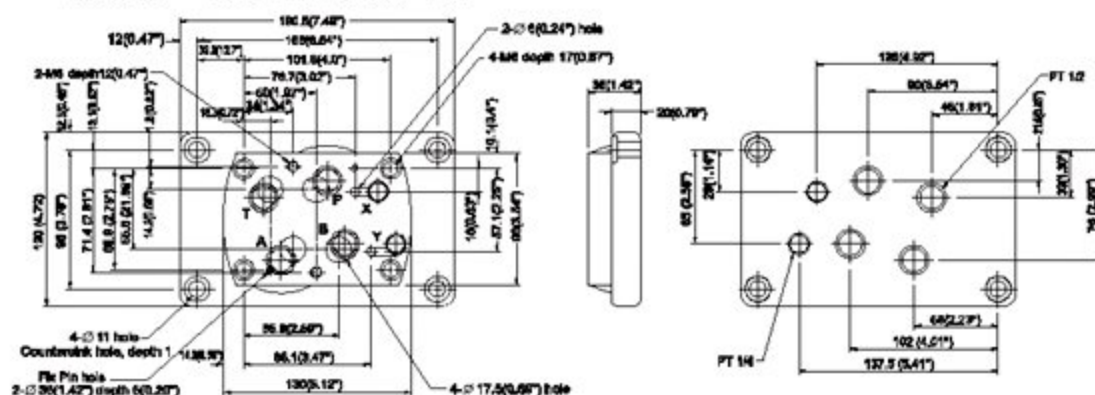
SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

DS SERIES

厚荳漿肉圓

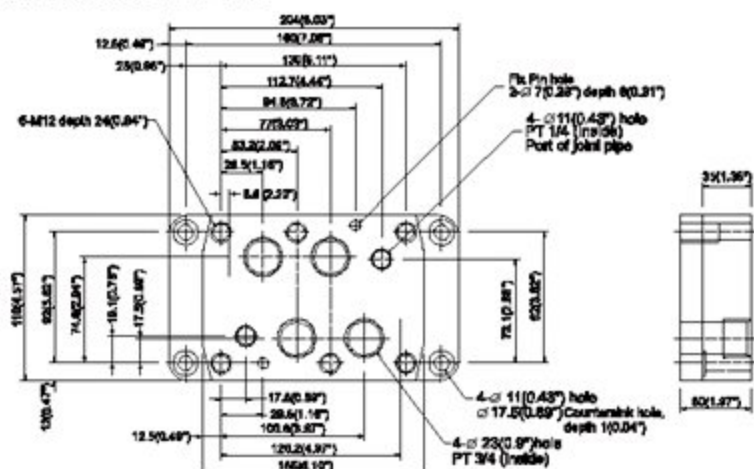
◆ Mounting Interface 基座尺寸圖

DS-04G ISO 4401-AD-07-4-A



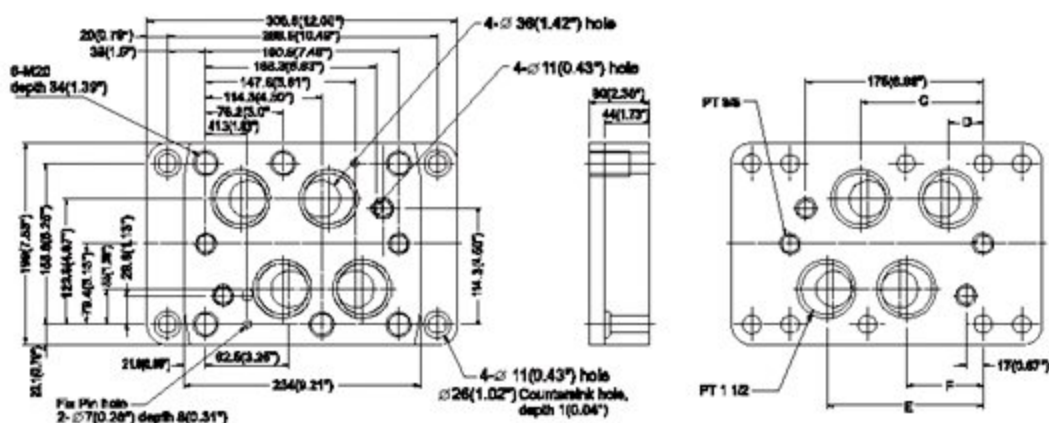
◆ Mounting Interface 取付寸法

DS-08G ISO 4401-AE-08-4-A



◆ Mounting Interface 取付尺寸

DS-10G ISO 4401-AF-10-4-A



PILOT OPERATED DIRECTIONAL VALVES

引導式方向閥

DS-02G SERIES

◆ MODEL 型 式

DS-02G



◆ FEATURES

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

特 點

- 閥本體鑄鐵強度與壽命持久性、壽命長。
- 內部硬鋼零件提高耐用壽命。

◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Piloted Pressure 最大引導壓力 Bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
DS-2D *-02G-A	315 (4569 psi)	3~12	100(26.42gpm)	2.1 (4.63 lbs)
DS-3C *-02G-A				2.1 (4.63 lbs)
DS-2D *-02G-B		250		1.5 (3.31 lbs)
DS-3C *-02G-B				1.5 (3.31 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		
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，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
DS	***	02	G	*

1 VALVE SERIES 系列名稱

DS=Pilot Operated Check Vales

2 GRAPHIC SYMBOL 圖表符號

3C2	3C3	3C4	3C5
3C6	3C10	3C11	3C12
3C60	2B2	2B3	2D2

3 SUBPLATE MOUNTING SIZE: 導引口徑

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

4 CONNECTING TYPE 連接型式

G:TYPE:BASEPLATE MOUNTING TYPE
G: (板式接頭)

5 PILOTED WAY 導引方式

A:PNEUMATIC PILOTED
A: (空氣導引)
B:HYDRAULIC PILOTED
B: (液壓導引)

A
DS

PILOT OPERATED DIRECTIONAL VALVES

DS-02G SERIES

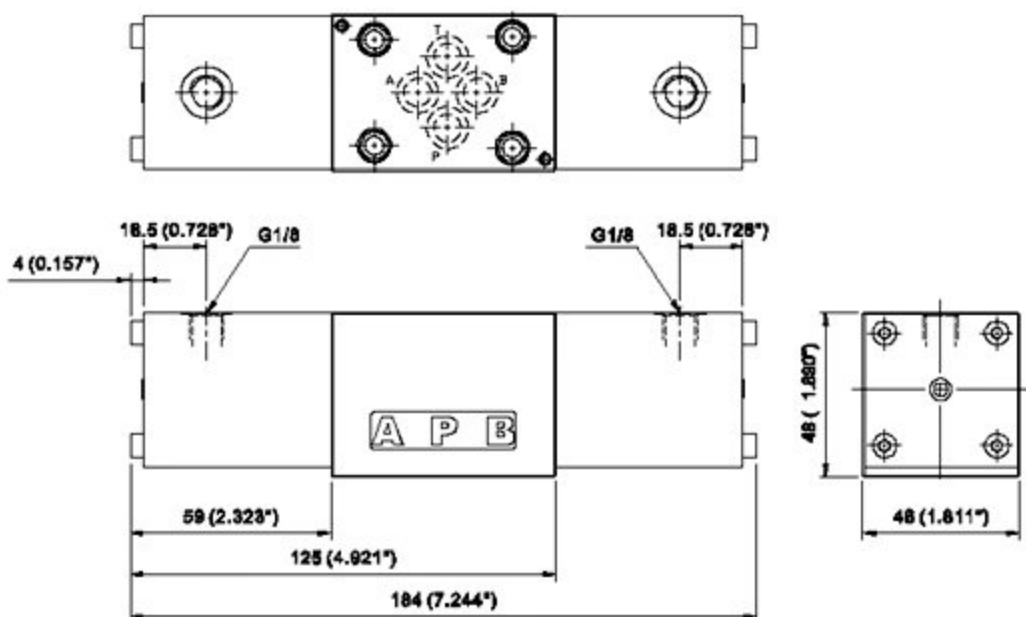
引導式方向閥

◆ DIMENSIONS 外觀尺寸圖

DS-02G-A

● Mounting Interface 安裝接口

ISO 4401-AB-03-4-A

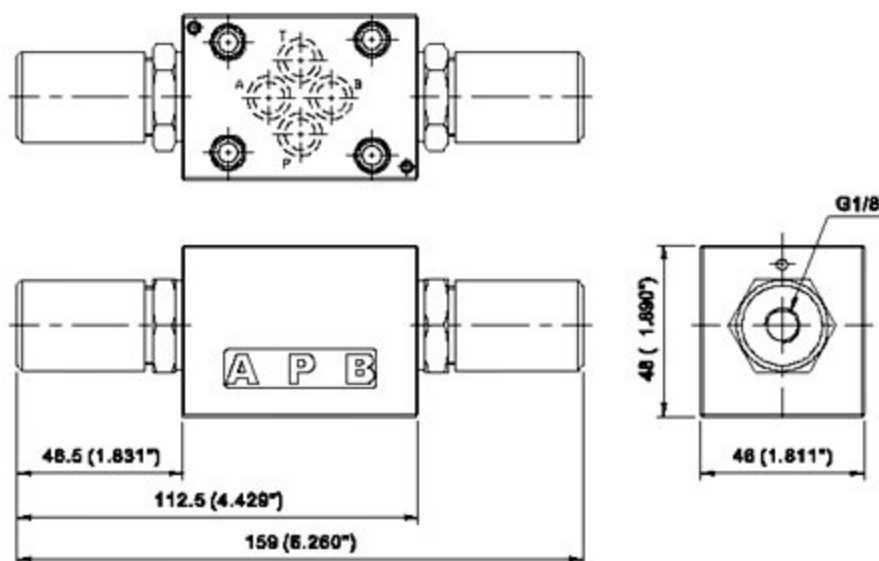


◆ DIMENSIONS 外觀尺寸圖

DS-02G-B

● Mounting Interface 安裝接口

ISO 4401-AB-03-4-A



SOLENOID CHECK VALVES

電磁止逆閥

LVSH-02G

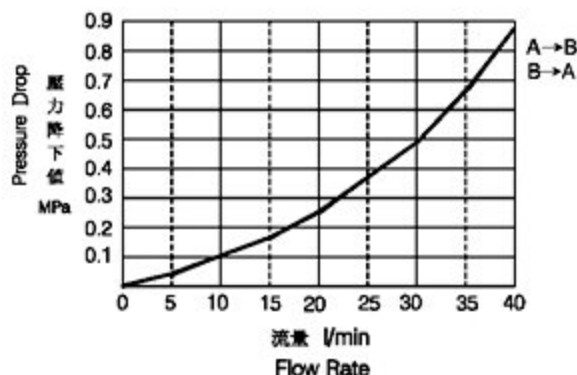
◆ MODEL 型 式

LVSH-02G



◆ PERFORMANCE (Cartridge Only)

特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
LVSH-02G	315 (4500 psi)	35 (9.25 gpm)	2.4 (5.3 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	
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，若需英制規格請另外備註說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5
LVSH	02	G	**	20

1 VALVE SERIES 系列名稱

LVSH= Solenoid Check 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

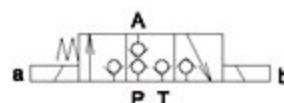
G: TYPE: BASEPLATE MOUNTING TYPE
G: (板式連接)

4 TYPE OF COIL 電磁閥電磁線圈類型

A1 : AC110 60HZ D1 : DC12
A115 : AC115 50HZ D2 : DC24
A230 : AC230 50HZ R1 : RF110 60HZ/50HZ
A2 : AC220 60HZ R2 : RF220 80HZ/50HZ

5 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



SOLENOID CHECK VALVES

LVSH-02G

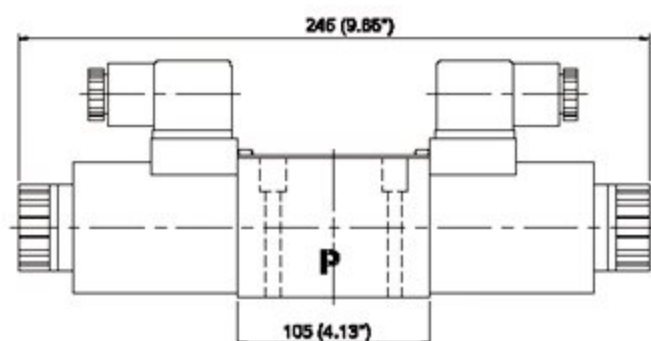
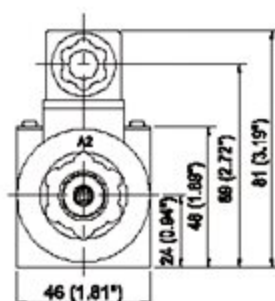
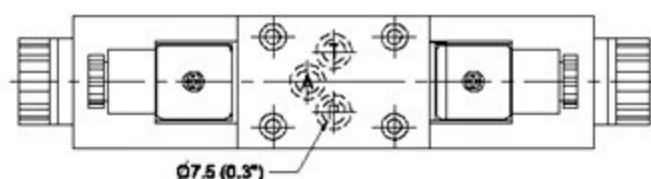
電磁止逆閥

◆ DIMENSIONS 外形尺寸圖

LVSH-02G

● Mounting Interface 安裝接口

ISO 4401-AB-03-4-A



SOLENOID CHECK VALVES

電磁止逆閥

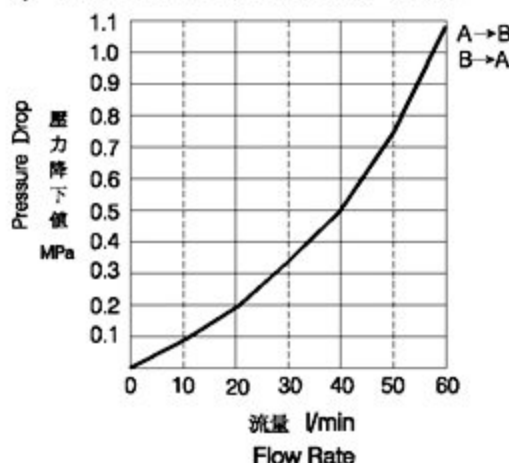
LVSH-03G

◆ MODEL 型 式

LVSH-03G



◆ PERFORMANCE (Cartridge Only) 特性曲線



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
LVSH-03G	315 (4500 psi)	50 (13.21 gpm)	2.4 (5.3 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	
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	4	5
LVSH	03	G	**	20

1 VALVE SERIES 系列名稱

LVSH= Solenoid Check Valves

2 SUBPLATE MOUNTING SIZE: 基座口徑

O3= 3/8"(9mm)
ISO CETOP5
DIN NG 10
NFFA D05

3 CONNECTING TYPE 連接型式

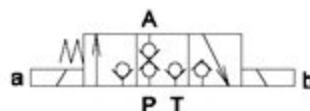
G: TYPE: BASEPLATE MOUNTING TYPE
G: (板式連接)

4 TYPE OF COIL 電磁線圈電壓線圈類型

A1 : AC110 60HZ D1 : DC12
A115 : AC115 50HZ D2 : DC24
A230 : AC230 50HZ R1 : RF110 60HZ/50HZ
A2 : AC220 60HZ R2 : RF220 60HZ/50HZ

5 DESIGN NO 設計編號

◆ CONTROL PORT(S) 動作形式



A
LVSH

SOLENOID CHECK VALVES

LVSH-03G

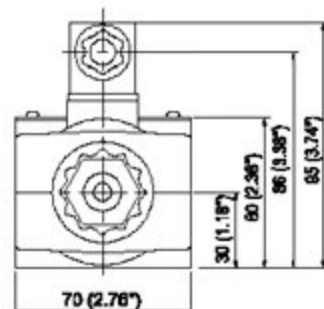
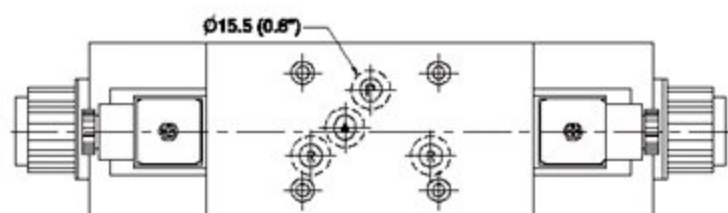
電磁止逆閥

◆ DIMENSIONS 外形尺寸圖

LVSH-03G-W

● Mounting Interface 安裝接口

ISO 4401-AC-05-4-A



SOLENOID CHECK VALVES

電磁止逆閥

LVS SERIES

◆ MODEL 型 式



◆ FEATURES

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

- 特 點
- 鑄鐵閥體強度與耐用性，壽命長。
- 內部硬質鋼零件提高產品壽命。
- 本設計為雙止逆方式可獲非常良好之止逆功能。

◆ SPECIFICATIONS 規 格

Model Number 型 式 號 碼	Maximum Pressure bar 最大壓力	Maximum Flow 最大流量 lpm	Weight 重 量 Kg
LVS-02G	250 (3625 psi)	35 (9.24 gpm)	
LVS-03G		50 (13.2 gpm)	
Fluid Type 液體類型	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		
Surface Treatment 表面處理	Zinc Phosphate Compound 磷 鋅 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，若需英制螺絲請另外備註說明。

◆ HOW TO ORDER 標 註 說 明

1	2	3	4	5
LVS	— 02	G	— A2	— 20

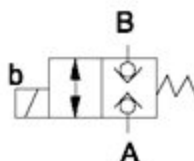
- 1 VALVE SERIES 系列名稱**
LVS=Solenoid Check Valves

- 4 TYPE OF COIL 電磁閥電線線圈類型**
A1: 115VAC D1: 12 VDC
A2: 230VAC D2: 24 VDC

- 2 SUBPLATE MOUNTING SIZE: 接口口徑**
02 = 1/4"(6mm) ISO CETOP3
03 = 3/8"(9mm) ISO CETOP5
DIN NG 6 DIN NG 10
NFFA D03 NFFA D05

- 5 DESIGN NO 設計編號**

- 3 CONTROL PORT(S) 動作形式**



SOLENOID CHECK VALVES

LVS SERIES

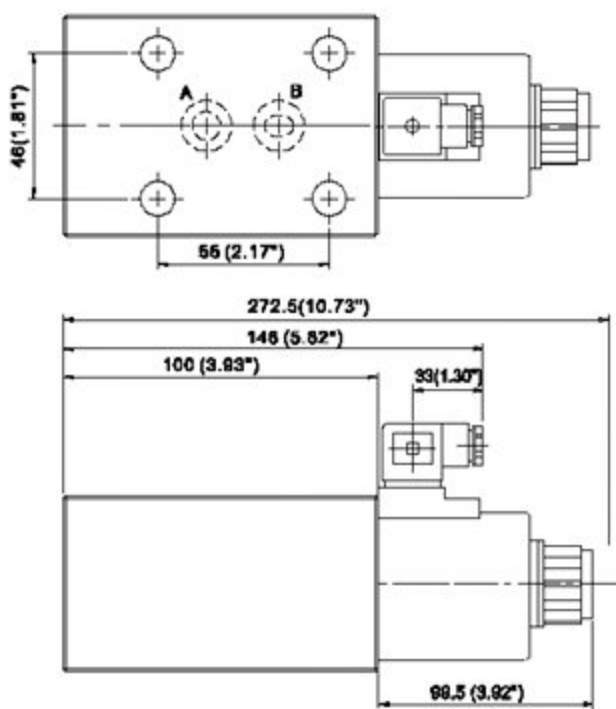
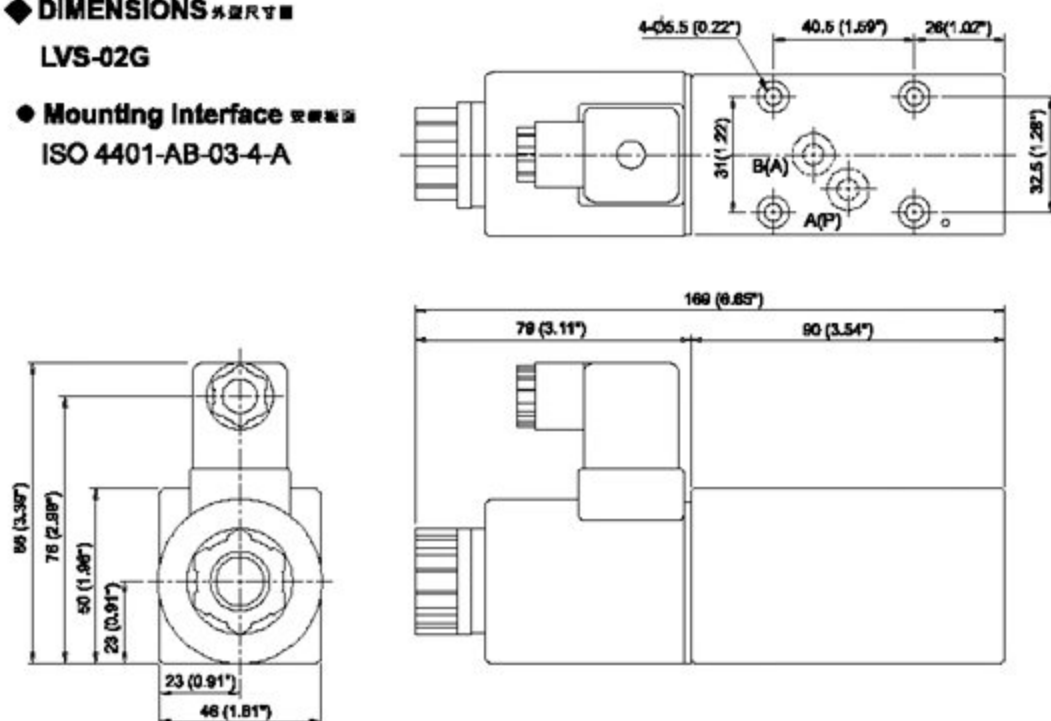
電磁止逆閥

◆ DIMENSIONS 外形尺寸

LVS-02G

● Mounting Interface 安裝接口

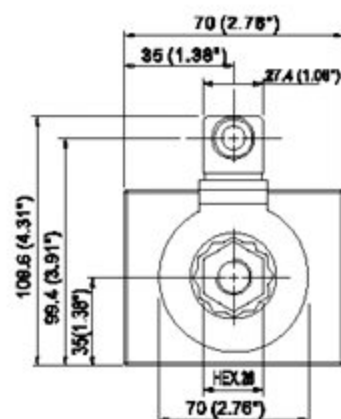
ISO 4401-AB-03-4-A

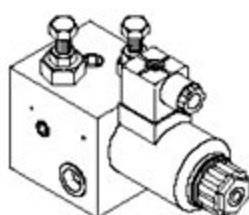


LVS-03G

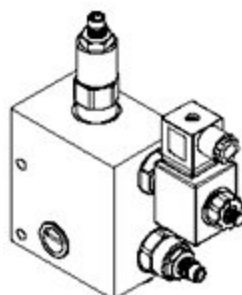
● Mounting Interface 安裝接口

ISO 4401-AC-05-4-A

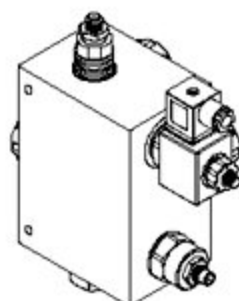


◆ MODEL 型 式
LKT-03

LKT-04



LKT-06



◆ SPECIFICATIONS 規格

Model Number 型式號碼	Maximum Pressure 最大壓力	Maximum tank line back pressure 最大背壓 Mpa	Maximum tank frequency of operation 最高動作頻率	Maximum Flow 最大流量 lpm	Weight 重量 Kg
LKT-03	21 Mpa (210 kgf/cm ²)	0.07 (0.7 kgf/cm ²)	80 Cycles/min	30 (7.92 gpm)	1.7 (3.7 lbs)
LKT-04	250 bar (3625 psi)	—	—	70 (18.49 gpm)	2.5 (5.5 lbs)
LKT-06	250 bar (3625 psi)	—	—	120 (31.70 gpm)	5.1 (11.2 lbs)
Fluid Type 液體類型			ISO VG 32, 46, 68		
Viscosity 黏性 cSt			10~400 (50~1854 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		

◆ HOW TO ORDER 如何訂購

1	2	3	4	5	6
LKT	03	—	T	—	A1 — X — Y

1 VALVE SERIES 系列名稱

LKT= LIFT Valves
升降閥

2 SUBPLATE MOUNTING SIZE: 裝板口徑

03= 3/8"(9mm) ISO CETOP5
DIN NG 10 NFPA D05
04= 1/2"(12mm) ISO CETOP7
DIN NG 16 NFPA D07

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

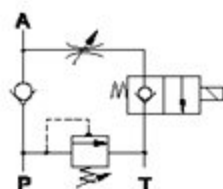
3 CONNECTING TYPE 連接型式

T: TYPE: THREADING TYPE (螺紋連接)

4 TYPE OF COIL 電磁線圈類型

A1 : AC110 60HZ D1 : DC12
A115 : AC115 50HZ D2 : DC24
A230 : AC230 50HZ R1 : RF110 60HZ/50HZ
A2 : AC220 60HZ R2 : RF220 60HZ/50HZ

◆ CONTROL PORT(S) 操作形式



5 WIRING TYPE 線接形式

Non: WIRING BOX TYPE (DIN) X: DOUBLE LEAD
無: 接線盒式 (DIN) 雙線接線方式

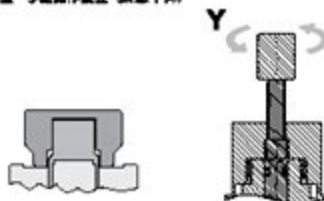


6 ADJUSTMENT OPTION 調整選擇

Non: Standard 無調整-標準型

Y: Twist Style Manual Override (Emergency Drop)

旋轉式-手動操作緊急下降 (緊急下降)



LIFT VALVES

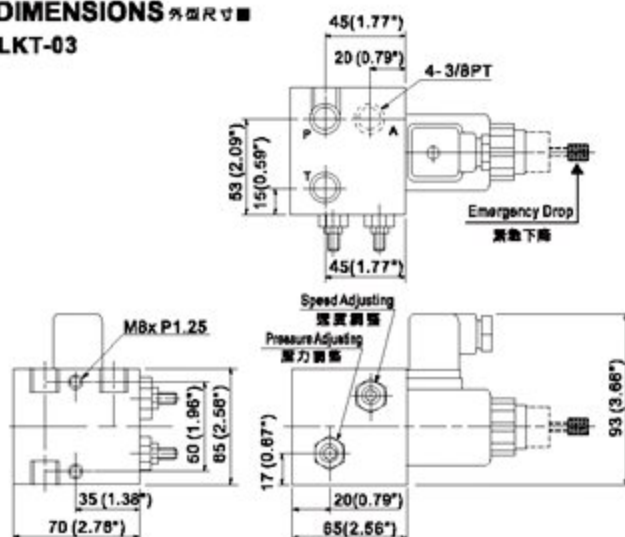
LKT SERIES

升降閥

A
LKT

◆ DIMENSIONS 外形尺寸

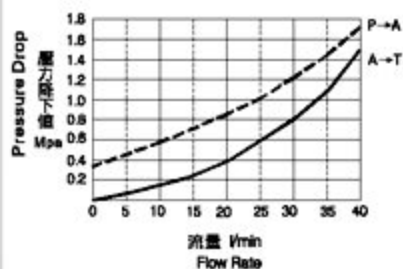
LKT-03



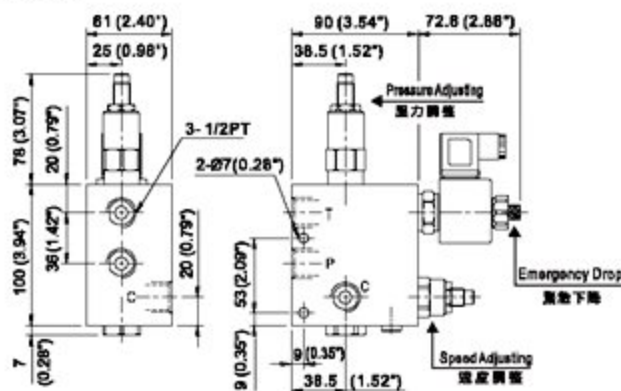
◆ PERFORMANCE (Cartridge Only)

特性曲線

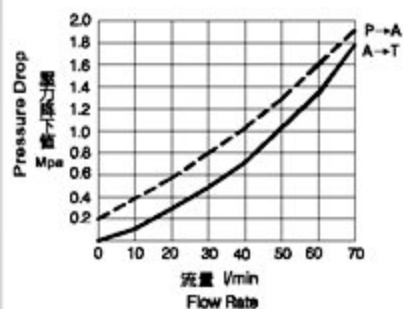
LKT-03



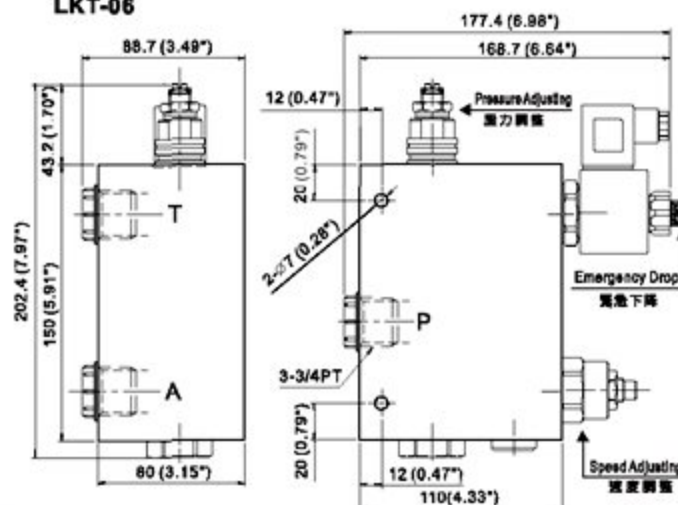
LKT-04



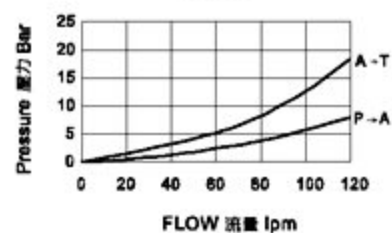
LKT-04



LKT-06



LKT-06



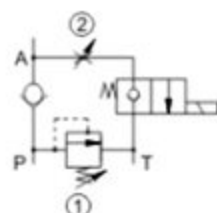
◆ MODEL 型 式

KVS-03M

- Accessory-pump not included in KVS-03M series.
- Optional accessory-pump(HGP-2A) please refer our catalogue-pump
- 本產品 KVS-03M 銷售不帶泵浦
- 連結HGP-2A系列泵浦詳見泵浦目錄



◆ CONTROL PORT(S) 動作形式



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
KVS-03M	250 (3625 psi)	35 (9.24 gpm)	0.8 (1.76 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 of with Screws it's Cent meter Size and If required Inch Size
- 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
KVS	— 03M	— A1	— X	— Y

1 VALVE SERIES 系列名稱

KVS = LIFT VALVES
升降閥

2 SUBPLATE MOUNTING SIZE: 板厚口徑

03M=3/8"(9mm) ISO CETOP5
DIN NG 10
NPPA D05

3 TYPE OF COIL 線圈類型

A1: RAC110V 60/50HZ D1: DC12V
A2: RAC220V 60/50HZ D2: DC24V

4 WIRING TYPE 線圈型式

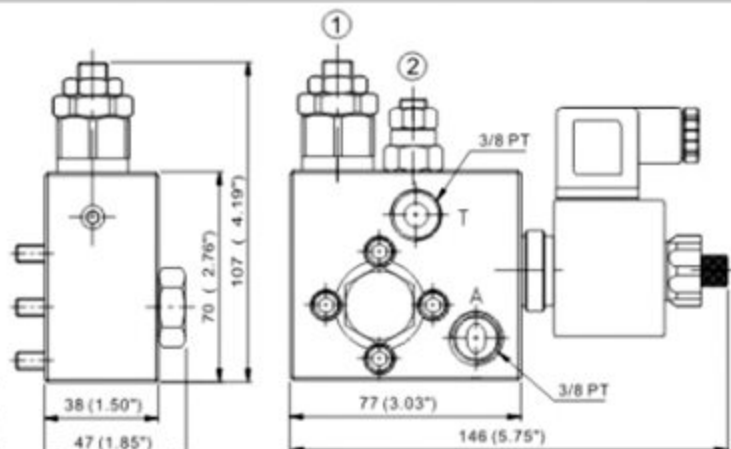
Non: WIRING BOX TYPE(DIN) X: DOUBLE LEAD
無線圈盒式 (DIN) 雙線圈方式



5 ADJUSTMENT OPTION 調整選擇

Non	
Non-Standard 無配裝，標準型	
Y	
Y: Twist Style Manual Override 扭轉型— 手動操作選位	

◆ DIMENSIONS 外型尺寸圖



◆ SEAL KITS 密封配件

ACCESSORIES 附屬配件	
HEX. COUNTER-SINK SCREW	Qty: 4 M6 x 1.0 x 30L

SOLENOID OPERATED DIRECTIONAL VALVES

WE SERIES

電磁換向閥

◆ MODEL 型 式

WE-03G-20



WE-03G-30



◆ FEATURES

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

特 點

- 鑄本體結構堅固且耐久性、壽命長。
- 內部硬鋼零件提高產品壽命。

◆ SPECIFICATIONS 規 格

Model Number 型 號 號 碼	Maximum Pressure 最大壓力 bar	Maximum tank line back pressue 最大容升背壓 bar	Maximum tank frequencies of operation 最高切換頻率 CPM	Maximum Flow 最大流量 lpm	Weight 重 量 Kg
WE- *C*-03G-**-20	315 (4500 psi)	160 (2320 psi)	240 CPM	120 (31.70 gpm)	5.4 (11.9 lbs)
WE- *B*-03G-**-20					4.5 (9.9 lbs)
WE- *C*-03G-**-30					5.4 (11.9 lbs)
WE- *B*-03G-**-30					4.5 (9.9 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. 21/19/16 NAS1638,10		
Surface Treatment 表面處理			Zinc Phosphate Compound 磷 鍍 磷 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，若需英制螺絲請另洽說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5	6
WE	---	***	---	03	---
				G	---
				**	---
					20

1 VALVE SERIES 系列名稱

WE=Solenoid Operated Directional Valves

2 SPOOL TYPE 滑柱型式

Detail as next 明細見下頁
page listed

3 SUBPLATE MOUNTING SIZE: 底座口徑

03 = 3/8"(9mm)
ISO CETOP5
DIN NG 10
NFFA D05

4 CONNECTING TYPE 連接型式

G:TYPE:BASEPLATE MOUNTING TYPE
G: (板式安裝)

5 TYPE OF COIL 電磁閥電圈種類

A1 : AC110 60HZ D1 : DC12
A115 : AC115 50HZ D2 : DC24
A230 : AC230 50HZ R1 : RF110 60HZ/50HZ
A2 : AC220 60HZ R2 : RF220 60HZ/50HZ

6 WIRING TYPE 接線型式

20 : WIRING BOX TYPE
線 盒 式
30 : DIN TYPE (DIN 43650-A/ISO4400)
DIN 型 (DIN 43650-A/ISO4400)
40P:AMP JUNIOR (APPLICATION FOR DC COIL, IRON COVER / IP65)
AMP 連接器 (只適用DC線圈,鐵殼外殼 / IP65)
42D:DT04-2P-V TYPE (APPLICATION FOR DC COIL, IRON COVER / IP65)
DT04-2P-V 型 (只適用DC線圈,鐵殼外殼 / IP65)
45X:DOUBLE LEAD (APPLICATION FOR DC COIL)
雙接線方式 (只適用DC線圈)

● More information of coil please refer our catalogue, coil, or contact with us.
以上線圈詳細資料請參閱線圈目錄或與本公司聯繫

SOLENOID OPERATED DIRECTIONAL VALVES

電磁換向閥

WE SERIES

◆SOLENOID RATINGS: 電磁定率

ELECTRIC SOURCE 電 源	COIL TYPE 電磁線圈類型	VOLTAGE(V) 電 壓			CURRENT & POWER AT RATED VOLTAGE 最大電壓的電流和電功率	
		SOURCE RATED 最大額定	HZ 頻率	RANGE 範圍	IN-RUSH 啓動電流 CURRENT(A)	HOLDING 額定電流 CURRENT(A)
AC	A1	AC110	50	90~110	4.79	0.86
			60	99~126	4.2	0.74
	A115	AC115	50	99~121	4.29	0.78
			60	108~138	3.99	0.7
	A2	AC220	50	180~220	2.31	0.42
			60	198~242	2.05	0.36
	A230	AC230	50	198~242	2.04	0.37
			60	216~276	1.88	0.33
	R1	AC110	50 60	99~126	0.47	0.47
	R2	AC220	50 60	198~253	0.24	0.24
DC	D1	DC12	—	10.8~13.2		2.58
	D2	DC24	—	21.6~26.4		1.33

- Above value based on temperature 30°C, electric voltage allowance 15%.
以上數據係基於溫度30°C，電壓容許度15%。

◆SPOOL TYPES 滑柱型式

SPRING CENTERED 3 POSITIONS 彈簧中心三位圖

WE-3C2 	WE-3C3 	WE-3C4 	WE-3C40
WE-3C5 	WE-3C6 	WE-3C7 	WE-3C8
WE-3C9 	WE-3C10 	WE-3C11 	WE-3C12

NO SPRING 2 POSITIONS 無彈簧二位圖

WE-2D2 	WE-2D3
------------	------------

SPRING 2 POSITIONS 彈簧二位圖

WE-2B2 	WE-2B3
------------	------------

SOLENOID OPERATED DIRECTIONAL VALVES

WE SERIES

電磁換向閥

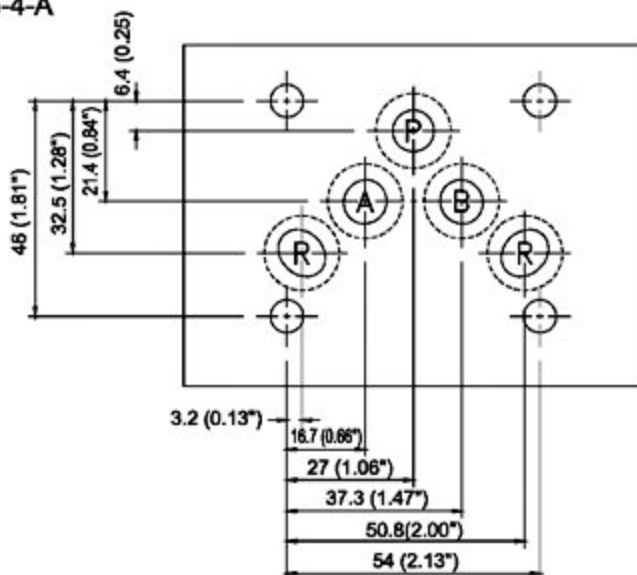
A
WE

2 POSITIONS二位閥

TYPE 類型	GRAPHIC SYMBOLS 圖形符號		TYPE 類型	TYPE 類型	GRAPHIC SYMBOLS 圖形符號		TYPE 類型
	STANDARD ASSEMBLAGE 標準配管	REVERSE ASSEMBLAGE 反向配管			STANDARD ASSEMBLAGE 標準配管	REVERSE ASSEMBLAGE 反向配管	
2B2A			2B2AL	2B2B			2B2BL
2B3A			2B3AL	2B3B			2B3BL
2B4A			2B4AL	2B4B			2B4BL
2B40A			2B40AL	2B40B			2B40BL
2B5A			2B5AL	2B5B			2B5BL
2B6A			2B6AL	2B6B			2B6BL
2B7A			2B7AL	2B7B			2B7BL
2B8A			2B8AL	2B8B			2B8BL
2B9A			2B9AL	2B9B			2B9BL
2B10A			2B10AL	2B10B			2B10BL
2B11A			2B11AL	2B11B			2B11BL
2B12A			2B12AL	2B12B			2B12BL

◆ Mounting Interface 基座尺寸圖

ISO 4401-AC-05-4-A

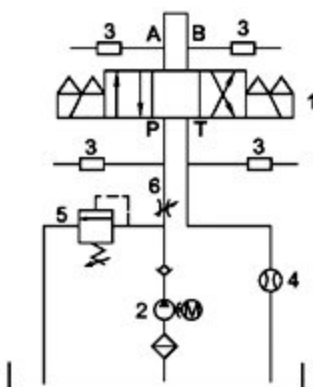


◆ PRESSURE DROP VS FLOW

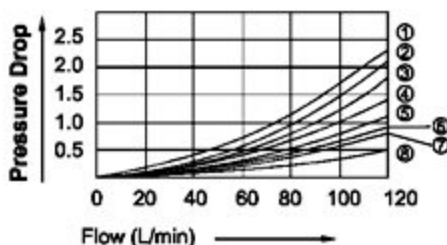
Test Conditions

Pressure: 7.0MPa (1000 PSI)
Flow Rate: 140L/min (38 GPM)
Viscosity: 35cST

1. Directional Control Valve
2. Hydraulic Pump
3. Pressure sensor
4. Flow sensor
5. Relief
6. Throttle



Performance Curves



Viscosity Correction Factor

Viscosity	cSt	15	20	30	40	50
	SSU	77	98	141	186	232
Factor(G')		0.81	0.87	0.96	1.03	1.09
Viscosity	cSt	60	70	80	90	100
	SSU	278	324	371	417	464
Factor(G')		1.14	1.19	1.23	1.27	1.30

Spool Type	Pressure Drop Curve Number				
	Pi→A	B→T	Pi→B	A→T	Pi→T
C2	6	6	6	6	-
C3	7	7	7	7	5
C4	6	7	6	7	-
C40	6	7	6	7	-
C5	5	2	2	5	8
C6	2	2	2	2	5
C60	1	1	1	1	4
C9	7	6	7	6	-
C12	6	6	6	7	-
C11	7	6	6	6	-
B2	2	2	6	6	-
B3	3	3	6	6	-
B20	5	-	5	-	-
B2L	6	6	2	2	-
B3L	6	6	3	3	-
B20L	5	-	5	-	-

The pressure drop ($\Delta P'$) can be obtained from the formula: $\Delta P' = \Delta P(G'/0.85)$ for other specific gravity (G').



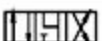
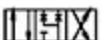


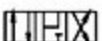
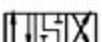
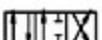


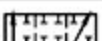
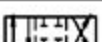

SOLENOID OPERATED DIRECTIONAL VALVES

WE SERIES

電磁換向閥

◆ PERFORMANCE 性能

The Maximum Flow Rate L/min (GPM) Under Different Pressure Mpa (PSI) WE-03G

Spool Type Normal Position	P↗ A, B↘ T P↘ B, A↗ T						P↗ A	
	5.0Mpa (375)	10.0Mpa (1470)	15.0Mpa (2200)	21.0Mpa (3000)	25.0Mpa (3675)	31.5Mpa (4000)	5.0Mpa (375)	10.0Mpa (1470)
C2 	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	54(14.3) 38(10.0)
C3 	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)
C4 	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	54(14.3) 38(10.0)
C40 	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4) 38(10.0)
C5 	88(23.2) 82(21.7)	88(23.2) 82(21.7)	88(23.2) 82(21.7)	88(23.2) 82(21.7)	88(23.2) 82(21.7)	—	100(26.4)	100(26.4)
C6 	84(22.2) 75(19.8)	84(22.2) 75(19.8)	84(22.2) 75(19.8)	84(22.2) 75(19.8)	84(22.2) 75(19.8)	—	100(26.4) 95(25.1)	100(26.4) 95(25.1)
C9 	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	63(16.6)	63(16.6)
C12 	100(26.4)	100(26.4)	100(26.4) 76(20.1)	44(11.6) 28(7.4)	30(7.9) 21(5.5)	19(5.0) 14(3.7)	100(26.4)	100(26.4) 53(14.0)
C11 	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	57(15.1)	57(15.1)
B2 	90(23.8) 72(19.0)	90(23.8) 72(19.0)	90(23.8) 72(19.0)	90(23.8) 72(19.0)	90(23.8) 72(19.0)	90(23.8) 72(19.0)	63(16.6)	63(16.6)
B3 	89(23.5) 81(21.4)	89(23.5) 81(21.4)	89(23.5) 81(21.4)	89(23.5) 81(21.4)	89(23.5) 81(21.4)	89(23.5) 81(21.4)	100(26.4)	100(26.4)
B20 	—	—	—	—	—	—	81(21.4)	29(7.7)
D2 	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	60(15.9)	40(10.6)
D3 	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	70(18.5)	65(15.9)

Note: The figures in the square shows the parameter among pressure & flow under saturated temperature and 90% applied voltage.

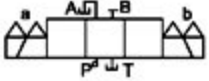
SOLENOID OPERATED DIRECTIONAL VALVES

電磁換向閥

WE SERIES

A
WE

The Maximum Flow Rate L/min (GPM) Under Different Pressure Mpa (PSI) WE-03G

				PI → B					
15.0Mpa (2200)	21.0Mpa (3000)	25.0Mpa (3675)	31.5Mpa (4500)	5.0Mpa (735)	10.0Mpa (1470)	15.0Mpa (2200)	21.0Mpa (3000)	25.0Mpa (3675)	31.5Mpa (4500)
40(10.6)	28(7.4)	25(6.6)	20(5.5)	100(26.4)	54(14.3)	40(10.6)	28(7.4)	25(6.6)	20(5.3)
27(7.1)	17(4.5)	13(3.4)	10(2.6)		38(10.0)	27(7.1)	17(4.5)	13(3.4)	10(2.6)
100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)
30(17.9)	23(6.1)	18(4.8)	14(3.7)	100(26.4)	54(14.3)	30(17.9)	23(6.1)	18(4.8)	14(3.7)
27(7.1)	16(4.2)	11(2.9)	8(2.1)		42(11.1)	27(7.1)	16(4.2)	11(2.9)	8(2.1)
33(8.7)	28(7.4)	22(5.8)	18(4.8)	100(26.4)	100(26.4)	33(8.7)	28(7.4)	22(5.8)	18(4.8)
23(6.1)	21(5.5)	15(4.0)	12(3.2)		75(19.8)	23(6.1)	21(5.5)	15(4.0)	12(3.2)
100(26.4)	100(26.4)	100(26.4)	—	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)
100(26.4)	100(26.4)	100(26.4)	—	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	—
95(25.1)	95(25.1)	95(25.1)		95(25.1)	95(25.1)	95(25.1)	95(25.1)	95(25.1)	
63(16.6)	63(16.6)	63(16.6)	63(16.6)	63(16.6)	63(16.6)	63(16.6)	63(16.6)	63(16.6)	63(16.6)
37(9.8)	34(9.0)	28(7.4)	20(5.3)	100(26.4)	61(16.1)	33(8.7)	27(7.1)	25(6.6)	20(5.3)
32(8.5)	28(7.4)	21(5.5)	15(4.0)		48(12.7)	27(7.1)	21(5.5)	13(3.4)	10(2.6)
57(15.1)	57(15.1)	57(15.1)	57(15.1)	100(26.4)	53(14.0)	47(12.4)	45(11.9)	40(10.6)	34(9.0)
63(16.6)	63(16.6)	63(16.6)	63(16.6)	100(26.4)	40(10.6)	37(9.8)	34(9.0)	29(7.7)	25(6.6)
					78(20.6)	45(11.9)	43(11.4)	38(10.0)	32(8.5)
100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	74(19.6)	38(10.0)	36(9.5)	31(8.2)	27(7.1)
					100(26.4)	95(25.1)	82(21.7)	75(19.8)	65(17.2)
19(5.0)	12(3.2)	9(2.4)	7(1.8)	100(26.4)	89(23.5)	84(22.2)	77(20.3)	70(18.5)	62(16.4)
					80(21.1)	32(8.5)	25(6.6)	20(5.3)	14(3.7)
40(10.6)	40(10.6)	30(7.9)	28(7.4)	60(15.9)	42(11.1)	28(7.4)	22(5.8)	17(4.5)	12(3.2)
60(15.9)	60(15.9)	42(11.1)	36(9.5)	70(18.5)	40(10.6)	40(10.6)	40(10.6)	30(7.9)	28(7.4)
					60(15.9)	60(15.9)	60(15.9)	42(11.1)	36(9.5)

SOLENOID OPERATED DIRECTIONAL VALVES

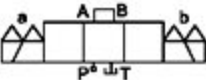














WE SERIES

電磁換向閥

A
WE

◆ PERFORMANCE 性能

The Maximum Flow Rate L/min (GPM) Under Different Pressure Mpa (PSI) WE-03G

Spool Type Normal Position	<div>  </div>						P→A	
	5.0Mpa (375)	10.0Mpa (1470)	15.0Mpa (2200)	21.0Mpa (3000)	25.0Mpa (3675)	31.5Mpa (4000)	5.0Mpa (375)	10.0Mpa (1470)
C2 	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7) 100(26.4)
C3 	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)
C4 	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7) 100(26.4)
C40 	120(31.7)	120(31.7)	120(31.7)	97(25.6)	78(20.6)	60(15.9)	120(31.7)	120(31.7) 115(30.4)
C5 	100(26.4)	100(26.4)	100(26.4)	75(19.8)	54(14.3)	41(10.8)	100(26.4)	100(26.4)
C6 	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)
C9 	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	65(17.2)	65(17.2)
C12 	120(31.7)	120(31.7)	120(31.7)	97(25.6)	78(20.6)	66(17.4)	120(31.7)	120(31.7)
C11 	120(31.7)	120(31.7)	120(31.7)	85(22.5)	54(14.3)	41(10.8)	65(17.2)	65(17.2)
B2 	95	95	95	95	95	95	69(18.2)	69(18.2)
B3 	89(23.5)	89(23.5)	89(23.5)	89(23.5)	89(23.5)	89(23.5)	120(31.7)	120(31.7)
B20 	-	-	-	-	-	-	85(22.5)	35(9.2)
D2 	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	60(15.9)	40(10.6)
D3 	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	70(18.5)	60(15.9)

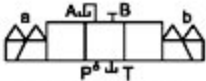

SOLENOID OPERATED DIRECTIONAL VALVES

電磁換向閥

WE SERIES

A
WE

The Maximum Flow Rate L/min (GPM) Under Different Pressure Mpa (PSI) WE-03G

				Pi → B 					
15.0Mpa (2200)	21.0Mpa (3000)	25.0Mpa (3675)	31.5Mpa (4500)	5.0Mpa (735)	10.0Mpa (1470)	15.0Mpa (2200)	21.0Mpa (3000)	25.0Mpa (3675)	31.5Mpa (4500)
73(19.3)	63(16.6)	54(14.3)	37(9.8)	120(31.7)	120(31.7)	73(19.3)	63(16.6)	54(14.3)	37(9.8)
55(14.5)	48(12.7)	38(10.0)	29(7.7)		100(26.4)	55(14.5)	48(12.7)	38(10.0)	29(7.7)
120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)
90(23.8)	73(19.3)	60(15.9)	47(12.4)	120(31.7)	120(31.7)	90(23.8)	73(19.3)	60(15.9)	47(12.4)
78(20.6)	64(16.9)	51(13.5)	39(10.3)		100(26.4)	78(20.6)	64(16.9)	51(13.5)	39(10.3)
75(19.8)	54(14.3)	42(11.1)	37(9.8)	120(31.7)	120(31.7)	75(19.8)	54(14.3)	42(11.1)	37(9.8)
50(13.2)	39(10.3)	30(7.9)	21(5.5)		115(30.4)	50(13.2)	39(10.3)	30(7.9)	21(5.5)
100(26.4)	100(26.4)	100(26.4)	—	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	—
100(26.4)	100(26.4)	100(26.4)	—	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	—
65(17.2)	65(17.2)	65(17.2)	65(17.2)	65(17.2)	65(17.2)	65(17.2)	65(17.2)	65(17.2)	65(17.2)
68(18.0)	51(13.5)	37(9.8)	27(7.1)	120(31.7)	85(22.5)	50(13.2)	36(9.5)	25(6.6)	19(5.0)
52(13.7)	39(10.3)	28(7.4)	18(4.8)		65(17.2)	40(10.6)	28(7.4)	05(4.0)	12(3.2)
65(17.2)	65(17.2)	65(17.2)	65(17.2)	120(31.7)	100(26.4)	94(24.8)	85(22.5)	76(20.1)	70(18.5)
69(18.2)	69(18.2)	69(18.2)	69(18.2)		85(22.5)	80(21.1)	74(19.6)	54(14.3)	49(12.9)
120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	120(31.7)	77(20.3)	63(16.6)	57(15.1)	45(11.9)
28(7.4)	19(5.0)	15(4.0)	10(2.6)	120(31.7)	68(17.4)	68(17.4)	55(14.5)	44(11.6)	38(10.0)
40(10.6)	40(10.6)	30(7.9)	28(7.4)	60(15.9)	100(26.4)	95(25.1)	82(21.7)	75(19.8)	65(17.2)
60(15.9)	60(15.9)	42(11.1)	36(9.5)	70(18.5)	89(23.5)	84(22.2)	77(20.3)	70(18.5)	62(16.4)
					120(31.7)	95(25.1)	74(19.6)	61(16.1)	43(11.4)
					95(25.1)	84(22.2)	63(16.6)	50(13.2)	34(9.0)
					40(10.6)	40(10.6)	40(10.6)	30(7.9)	28(7.4)
					60(15.9)	60(15.9)	60(15.9)	42(11.1)	36(9.5)

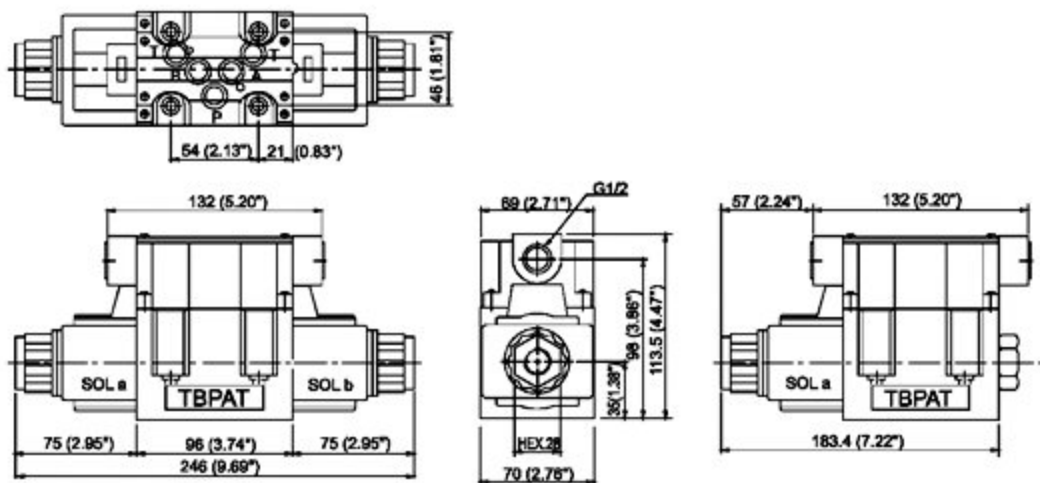
SOLENOID OPERATED DIRECTIONAL VALVES

WE SERIES

電磁換向閥

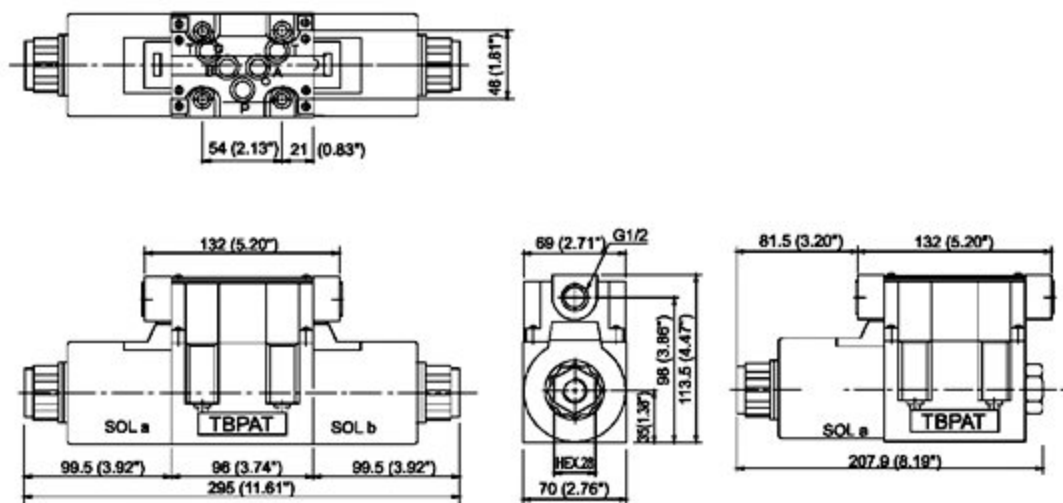
◆ DIMENSIONS 外形尺寸圖 WE-03G-AC-20

◆ Mounting Interface : ISO 4401-AC-05-4-A



WE-03G-DC/RF-20

◆ Mounting Interface : ISO 4401-AC-05-4-A



SOLENOID OPERATED DIRECTIONAL VALVES

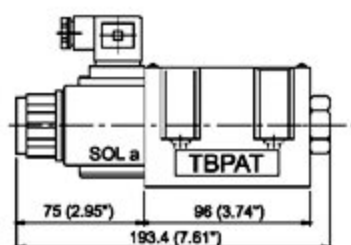
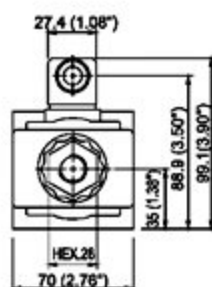
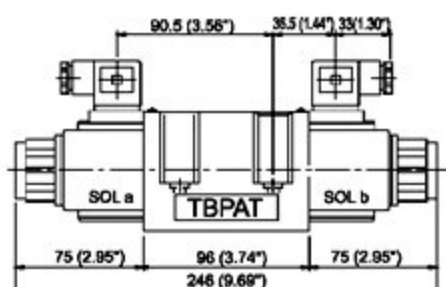
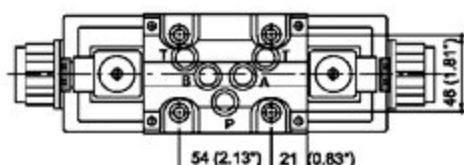
電磁換向閥

WE SERIES

WE-03G-AC-30

Mounting Interface : ISO 4401-AC-05-4-A

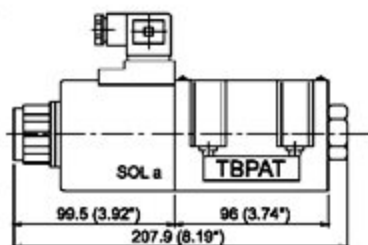
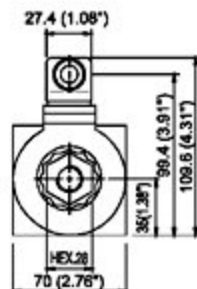
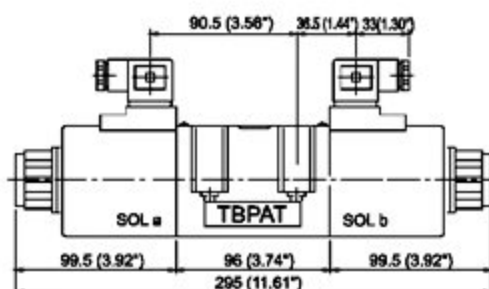
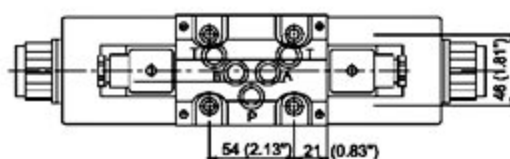
Unit : mm



WE-03G-DC/RF-30

Mounting Interface : ISO 4401-AC-05-4-A

Unit : mm



SOLENOID OPERATED CHECK MODULAR VALVES

MLVS SERIES

模塊型電磁止逆閥

◆ MODEL 型 式



◆ FEATURES

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

- 特 點
- 閥本體鑄鐵強度好且持久性，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 bar 最大壓力	Maximum Flow 最大流量 lpm	Weight 重 量 Kg
MLVS-02-A,B	210 (3000 psi)	35 (9.24 gpm)	1.8 (3.97 lbs)
MLVS-02-W			2.5 (5.5 lbs)
Fluid Type 液體型式		ISO VG 32 , 48 , 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	
Surface Treatment 表面處理		Zinc Phosphate Compound 磷 鍍 磷 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	4	5
MLVS	— 02 —	W —	A2 —	20

- 1 VALVE SERIES 系列名稱**
MLVS=Solenoid Operated Check Modular Valves

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

- 3 CONTROL PORT(S) 動作形式**

A=A Port Only



B=B Port Only



W=A & B Port



- 4 TYPE OF COIL 電磁閥電磁線圈類型**

A1: 115VAC D1: 12 VDC
A2: 230VAC D2: 24 VDC

- 5 DESIGN NO 設計編號**

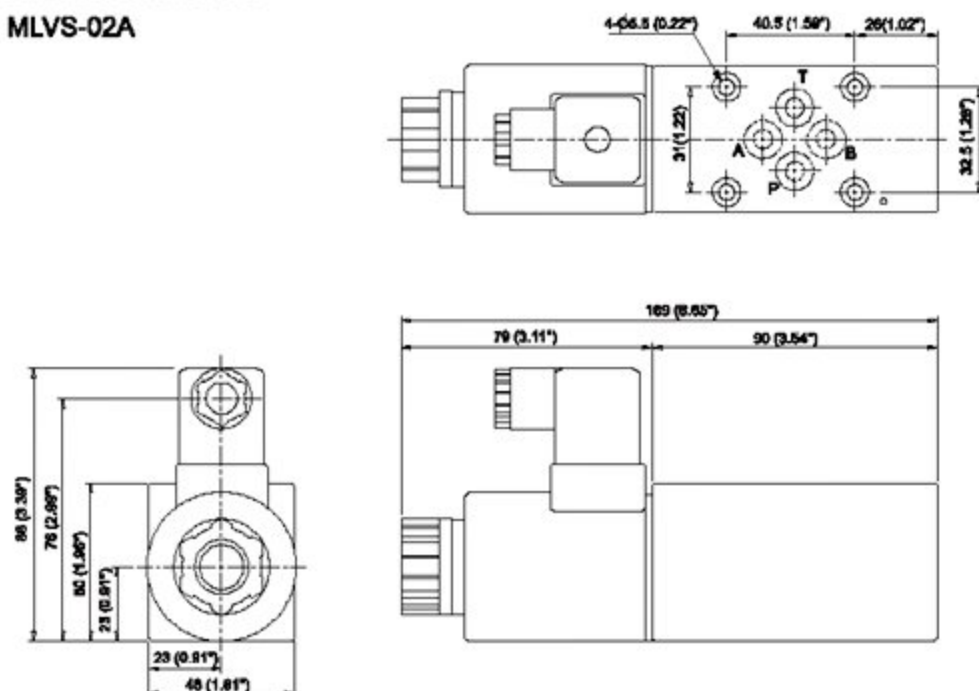
SOLENOID OPERATED CHECK MODULAR VALVES

ソレノイド電磁止逆閥

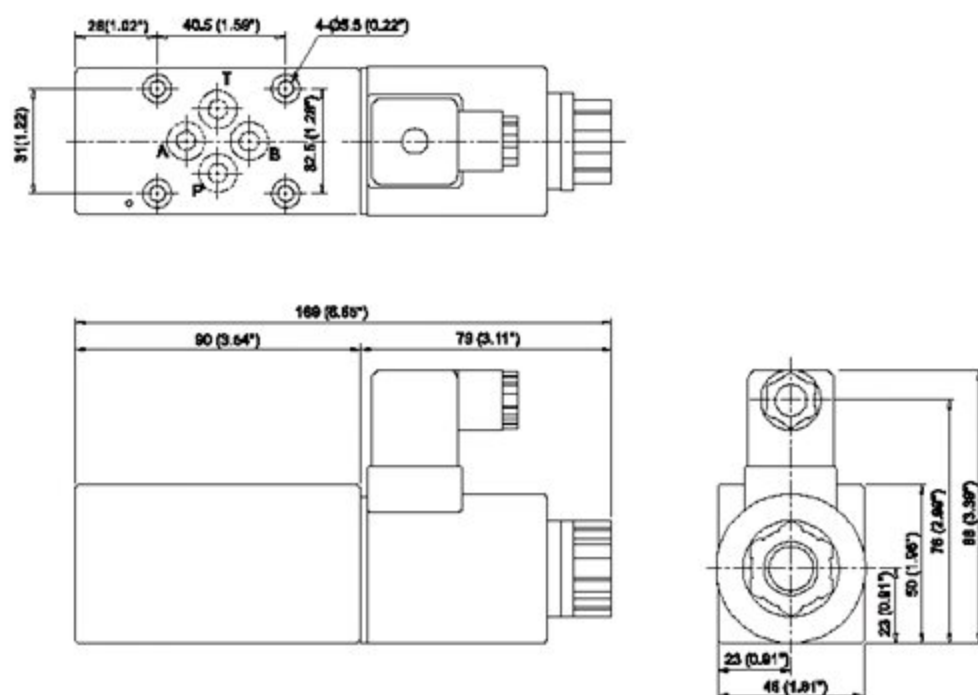
MLVS SERIES

◆ DIMENSIONS 外形寸法

MLVS-02A



MLVS-02B



D
MLVS

SOLENOID OPERATED TWO-WAY CHECK VALVES

電磁雙向止逆閥

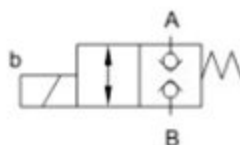
LVS SERIES

◆ MODEL 型 式

LVS-03T



◆ CONTROL PORT(S) 動作形式



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
LVS-03T	210 (3046psi)	35 (8.81 gpm)	1.5 (3.3 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		
Surface Treatment 表面處理	Zinc Phosphate Compound 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	4	5
LVS	— 03	T	— **	— 20

1 VALVE SERIES 系列名稱

LVS= SOLENOID OPERATED TWO-WAY CHECK VALVES

3 CONNECTING TYPE 連接型式

T:TYPE:THREADING TYPE (螺紋連接)

2 SUBPLATE MOUNTING SIZE: 板厚尺寸

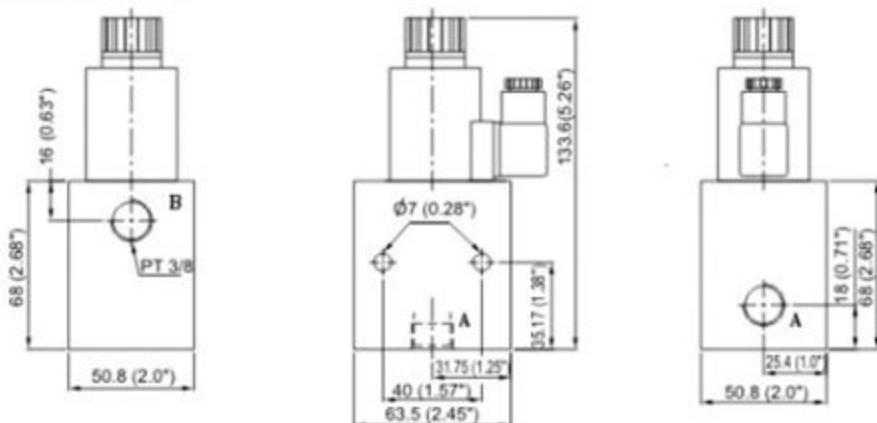
03= 3/8"(9mm)
ISO CETOP5
DIN NG 10
NFPA D05

4 TYPE OF COIL 電磁閥電磁線圈類型

A1 : AC110 60HZ D1 : DC12
A115 : AC115 50HZ D2 : DC24
A230 : AC230 50HZ R1 : RF110 60HZ/50HZ
A2 : AC220 60HZ R2 : RF220 60HZ/50HZ

5 DESIGN NO 設計編號

◆ DIMENSIONS 外型尺寸圖



SOLENOID OPERATED DIRECTIONAL VALVES

WE - GIV SERIES (Position Switch Included)

電磁換向閥 (附位置感應器)

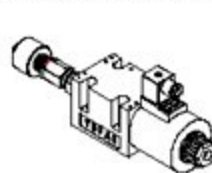
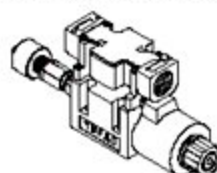
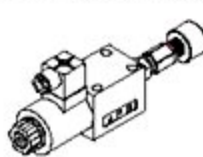
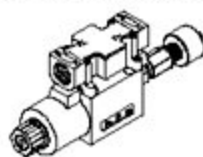
MODEL 型號

WE-2B2-02G-20-GIV

WE-2B2-02G-30-GIV

WE-2B2-03G-20-GIV

WE-2B2-03G-30-GIV



SPECIFICATIONS 規格

Model Number 型號	Maximum Pressure 最大壓力 bar	Connecting PT 接頭管徑	Maximum Flow 最大流量 lpm	Weight 重量 Kg
WE-2B2-02G-20-GIV	315 (4500 psi)	1/4"	100 (26.4 gpm)	1.7 (3.75 lbs)
WE-2B2-02G-30-GIV		3/8"	120 (31.7 gpm)	4.8 (10.58 lbs)
WE-2B2-03G-20-GIV				
WE-2B2-03G-30-GIV				
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 污染等級		ISO4406: 21/19/16 NAS1838,10		
Surface Treatment 表面處理		Zinc Phosphate Compound 磷酸鹽化合物		

- All screws with metric measure, if require inch measure, please contact us. 所有螺絲皆為公制螺絲及螺母，若需英制螺絲及螺母外殼請說明。
- WE-02G series application for COD02.COS02 Coil. WE-02G系列適用 COD02.COS02 線圈。
- WE-03G series application for COD03.COS03 Coil. WE-03G系列適用 COD03.COS03 線圈。

HOW TO ORDER 編號說明

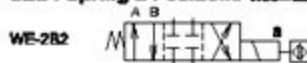
1	2	3	4	5	6	7
WE	2B2	02	G	水水	20	GIV

1 VALVE SERIES 系列名稱

WE = Solenoid Operated Directional Valves 電磁換向閥
(Position Switch Included) 附位置感應器

2 SPOOL TYPES 滑柱型式

2B2 : Spring 2 Positions 彈簧二位



- 2 Positions spool type of WE series please refer P2.P3.
- WE系列二位滑柱型請參閱P2.P3.

3 SUBPLATE MOUNTING SIZE: 滑柱口徑

02=1/4"(6mm)	03=3/8"(9mm)
ISO CETOP3	ISO CETOP5
DIN NG 8	DIN NG 10
NFPA D08	NFPA D06

4 CONNECTING TYPE 連接型式

G:TYPE:BASEPLATE MOUNTING TYPE 板底連接

5 TYPE OF COIL 電磁線圈電壓與頻率

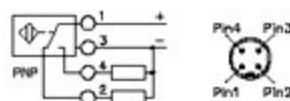
A1 : AC110 60HZ	D1 : DC12
A115 : AC115 50HZ	D2 : DC24
A230 : AC230 60HZ	R1 : RF110 60HZ/60HZ
A2 : AC220 60HZ	R2 : RF220 60HZ/50HZ

6 WIRING TYPE 接線型式

20: WIRING BOX TYPE 接線盒式
30: DIN TYPE DIN 型

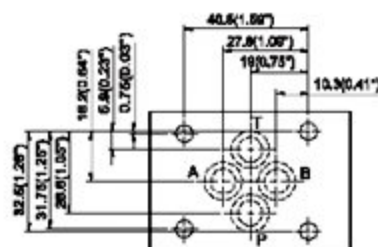
7 DESIGN NO 設計編號

GIV :Position Switch Included
附位置感應器



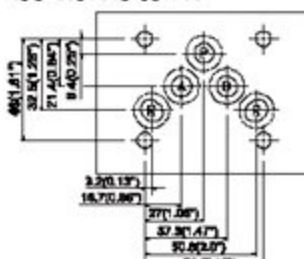
Mounting Interface 安裝尺寸圖

ISO 4401-AB-03-4-A



Mounting Interface 安裝尺寸圖

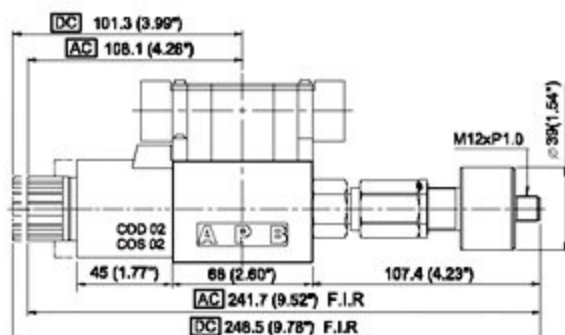
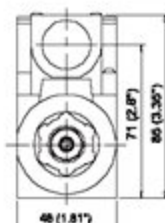
ISO 4401-AC-05-4-A



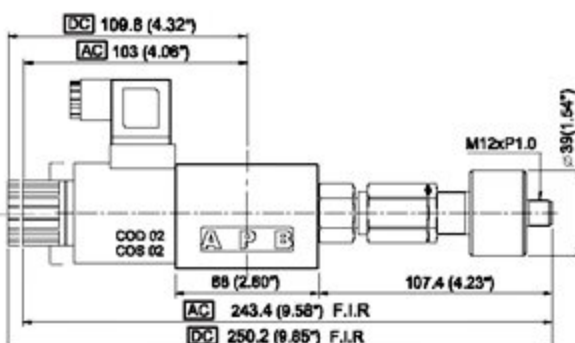
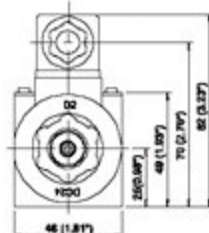
SOLENOID OPERATED DIRECTIONAL VALVES

電磁換向閥 (附位置感應器) WE - - GIV SERIES (Position Switch Included)

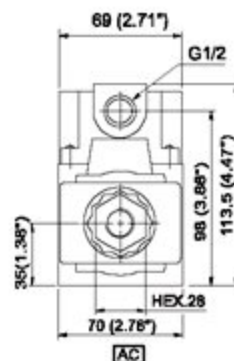
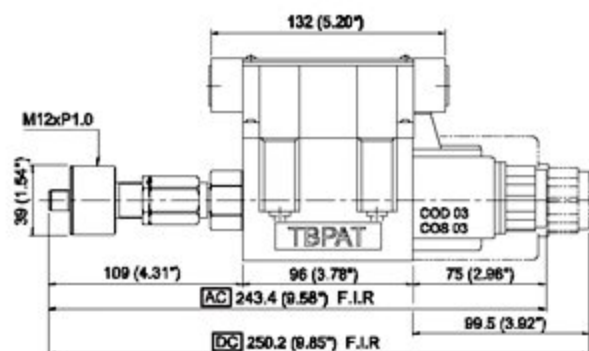
◆ DIMENSIONS 外形尺寸 ■ WE-2B2-02G-20-GIV



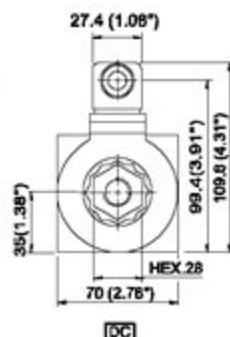
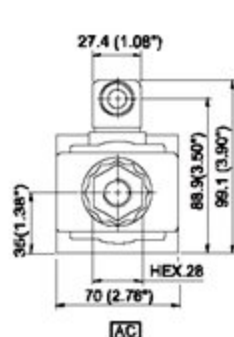
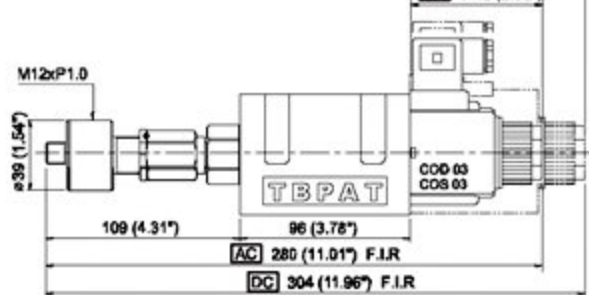
◆ DIMENSIONS 外形尺寸 ■ WE-2B2-02G-30-GIV



◆ DIMENSIONS 外形尺寸 ■ WE-2B2-03G-20-GIV

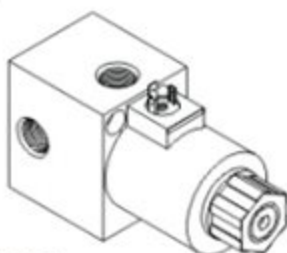


◆ DIMENSIONS 外形尺寸 ■ WE-2B2-03G-30-GIV

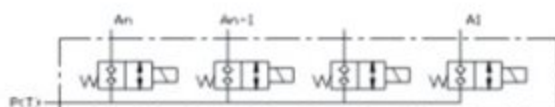


◆ MODEL 型 式

LVS-03T-1N



◆ CONTROL PORT(S) 動作形式



◆ SPECIFICATIONS 規 格

Model Number 型 號	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
LVS-03T-1N	210 (3046psi)	35 (9.25 gpm)	1.5 (3.3 lbs.)
Fluid Type 液體類型	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		
Surface Treatment 表面處理	Zinc Phosphate Compound 磷酸鹽化合物		

◆ 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，若需英制螺絲請另備註說明。

◆ HOW TO ORDER 編號說明

1	2	3	4	5
LVS	03	T	1N	**

1 VALVE SERIES 系列名稱

LVS= SOLENOID OPERATED TWO-WAY CHECK VALVES
電磁雙向止逆閥

2 SUBPLATE MOUNTING SIZE 編訂口徑

03T= 3/8"(9mm)
ISO CETOP5
DIN NG 10
NFA D05

3 CONNECTING TYPE 連接型式

T: TYPE: THREADING TYPE (螺紋連接)

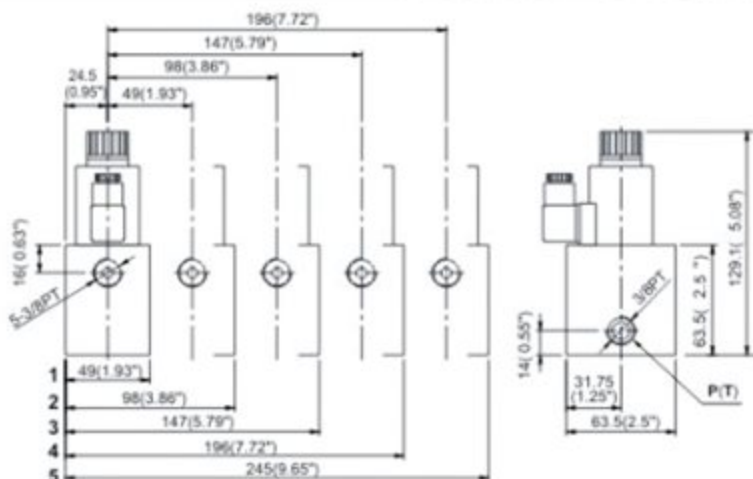
4 NUMBER OF VALVE BLOCKS 連數

1N-5N=1-5 BLOCKS

5 TYPE OF COIL 電磁閥電磁線圈類型

A1 : AC110 60HZ D1: DC12
A115: AC115 50HZ D2: DC24
A230: AC230 50HZ R1: RF110 60HZ/50HZ
A2 : AC220 60HZ R2: RF220 60HZ/50HZ

◆ DIMENSIONS 外型尺寸圖



SOLENOID OPERATED CARTRIDGE VALVES

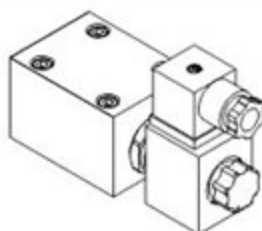
插入式電磁閥

LVSE SERIES SOLENOID OPERATED CHECK VALVES

LVSE 系列電磁止回閥

◆ MODEL 型 式

LVSE-02G



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
LVSE-02G	350 (5076 psi)	40 (10.57 gpm)	1.4 (3.09 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		
Surface Treatment 表面處理	Zinc Phosphate Compound 磷酸鹽化合物		

● All of with Screws it's Cent meter Size and If required Inch Size

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
LVSE	02	G	**	20

1 VALVE SERIES 系列名稱

LVSE= SOLENOID OPERATED CHECK VALVES
電磁止回閥

2 SUBPLATE MOUNTING SIZE: 稱呼口徑

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

3 CONNECTING TYPE 連接型式

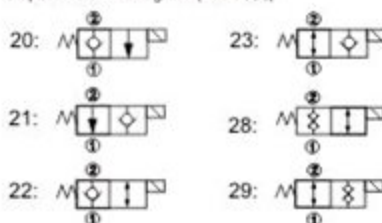
G: TYPE-BASEPLATE MOUNTING TYPE
G: (板式連接)

4 TYPE OF COIL 電磁閥電磁線圈類型

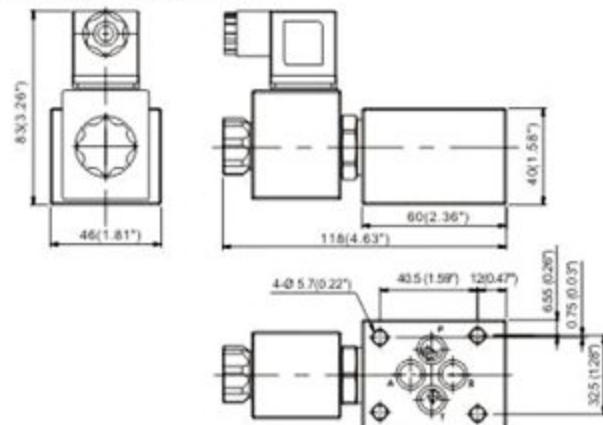
A1 : AC110 60HZ D1 : DC12
A115 : AC115 50HZ D2 : DC24
A230 : AC230 50HZ R1 : RF110 60HZ/50HZ
A2 : AC220 60HZ R2 : RF220 60HZ/50HZ

5 CONTROL WAY 控制方式

Please consider another control methods of Chia Wang's cartridge valves and spool.
[http://www.chia-wang.com\(VSV SERIES\)](http://www.chia-wang.com(VSV SERIES))
其它控制方式請參考佳王插式閥軸心資料。
[http://www.chia-wang.com\(VSV 系列\)](http://www.chia-wang.com(VSV 系列))



◆ DIMENSIONS 外型尺寸圖



● Mounting Interface 安裝界面

ISO 4401-AB-03-4-A

SOLENOID OPERATED CARTRIDGE VALVES

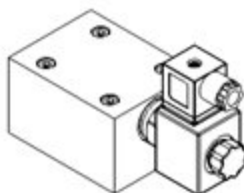
插入式電磁閥

LVSE SERIES SOLENOID OPERATED CHECK VALVES

LVSE 系列電磁截止閥

◆ MODEL 型 式

LVSE-03G



◆ SPECIFICATIONS 規 格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg
LVSE-03G	350 (5076 psi)	70 (18.49 gpm)	3.0 (6.61 lbs)
Fluid Type 流體型式	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		
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	4	5
LVSE	03	G	**	20

1 VALVE SERIES 系列名稱

LVSE= SOLENOID OPERATED CHECK VALVES
電磁止逆閥

2 SUBPLATE MOUNTING SIZE: 稱呼口徑

03 = 3/8" (9mm)
ISO CETOP5
DIN NG 10
NFFA D05

3 CONNECTING TYPE 連接型式

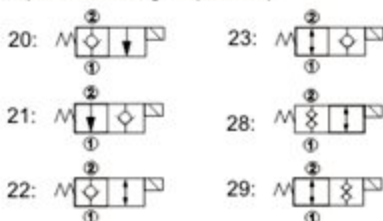
G: TYPE: BASEPLATE MOUNTING TYPE
G: (板式連接)

4 TYPE OF COIL 電磁閥電磁線圈類型

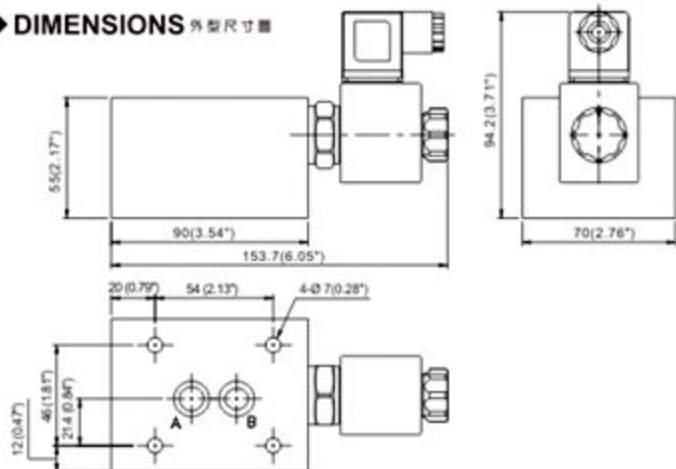
A1: RAC110 60HZ/50HZ
A2: RAC220 60HZ/50HZ
D1: DC12
D2: DC24

5 CONTROL WAY 控制方式

Please consider another control methods of Chia Wang's cartridge valves and spool.
[http://www.chia-wang.com\(VSV SERIES\)](http://www.chia-wang.com(VSV SERIES))
其它控制方式請參考佳王插式閥軸心資料。
[http://www.chia-wang.com\(VSV 系列\)](http://www.chia-wang.com(VSV 系列))



◆ DIMENSIONS 外型尺寸圖



● Mounting Interface 安裝板圖

ISO 4401-AC-05-4-A

DIRECTIONAL VALVES 方向閥

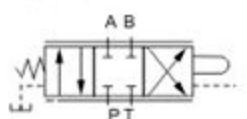
SF1 MECHANICAL SERVO VALVES 機械式伺服閥

MODEL 型 式

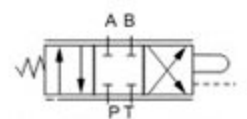
SF1-03G



CONTROL PORT(S) 動作形式

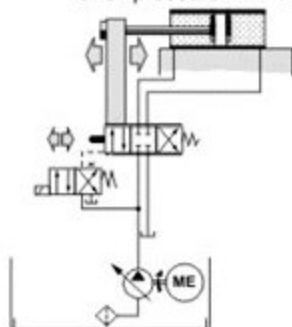


Externally Piloted, Externally Release.
外部引導, 外部排洩



Externally Piloted, Internally Release.
外部引導, 內部排洩

Basic return circuit of oil pressure 油壓基本回路



SPECIFICATIONS 規格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Quota Flow 定額流量 lpm	Weight 重量 Kg
SF1-03G	70 (1015 psi)	30 (7.92 gpm)	2.0(4.4 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 污染標準		ISO4406, 21/19/16 NAS1638,10	

HOW TO ORDER 編號說明

1		2		3		4		5
SF1	—	03		G	—	E		*

1 VALVE SERIES 系列名稱

SF1 = Mechanical
Servo Valves

2 SUBPLATE MOUNTING SIZE: 稱呼口徑

03 = 3/8"(9mm) ISO CETOP5
DIN NG 10 NFPA D05

3 CONNECTING TYPE 連接型式

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

4 PILOT OPERATED WAY 引導壓方式

E: OUTER 引導壓方式 E: 外部

5 RELEASE WAY 排洩方式

NONE: INNER T: OUTER
排洩方式 無: 內部 T: 外部

DIMENSIONS 外型尺寸圖

