

SOLENOID OPERATED DIRECTIONAL VALVES

WE SERIES

電磁換向閥

◆ MODEL 型式

WE-02G-20



WE-02G-30



A
WE

◆ FEATURES 特性

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

特 性
 • 本體鋁鐵強度與耐久性，壽命長。
 • 內部零件堅固，提高產品壽命。

◆ SPECIFICATIONS 规格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum tank line back pressure 最大蓄壓背壓 bar	Maximum tank frequencies of operation 最高切换频率 CPM	Maximum Flow 最大流量 lpm	Weight 重量 Kg
WE-*C*-02G-**-20					1.9 (4.2 lbs)
WE-*B*-02G-**-20	315 (4500 psi)	210 (3000 psi)	300 CPM	100 (26.4 gpm)	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	
Surface Treatment 表面處理				Zinc Phosphate Compound 鋅酸鹽化合物	

• 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，若需英制規格請另外書註說明。

◆ HOW TO ORDER 訂購說明

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 鋼柱型式

Detail as next page listed 明細見下頁

3 SUBPLATE MOUNTING SIZE: 鋼帶口徑

02=1/4"(6mm)

ISO CETOP3

DIN NG 6

NFPA D03

4 CONNECTING TYPE 連接型式

G:TYPE:BASEPLATE MOUNTING TYPE

G: (底式連接)

5 TYPE OF COIL 電磁線圈型式

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 調節方式

NONE : STANDARD

AK : A WITH MANUAL PUSH-BUTTON

BK : B WITH MANUAL PUSH-BUTTON

WK : A/B WITH MANUAL PUSH-BUTTON

無：標準型

AK: A帶手動按鍵

BK: B帶手動按鍵

WK: A/B帶手動按鍵

7 WIRING TYPE 接線型式

20 : WIRING BOX TYPE

接線盒式

30 : DIN TYPE (DIN 43650-A1504400)

DIN型 (DIN 43650-A1504400)

40P:AMP JUNIOR (APPLICATION FOR DC COIL, IRON COVER / IP65)

AMP接線板 (只適用DC線圈, 鐵蓋外殼 / IP65)

42D:DT04-2P-V TYPE (APPLICATION FOR DC COIL, IRON COVER / IP65)

DT04-2P-V型 (只適用DC線圈, 鐵蓋外殼 / 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.

以上接線詳説資料請參閱接線圖或向本公司索取

SOLENOID OPERATED DIRECTIONAL VALVES

電磁換向閥

WE SERIES

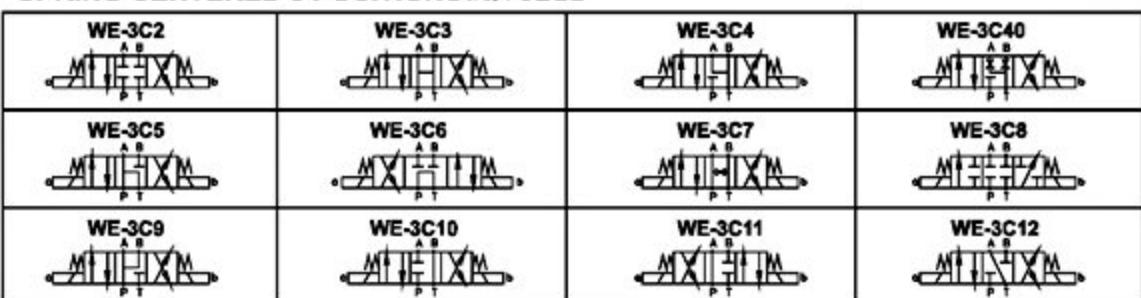
◆SOLENOID RATINGS: 電磁定率

ELECTRIC SOURCE 電源	COIL TYPE 電圈型	VOLTAGE(V) ■ ■			CURRENT & POWER AT RATED VOLTAGE 最大電壓的電流和電源功率		
		SOURCE 電源	HZ 周率	RANGE 範圍	IN-RUSH 當初電流 CURRENT(A)	HOLDING 持定電流 CURRENT(A)	WATTAGE 瓦特數
AC	A1	AC100	50	80~110	2.2	0.52	25
			60	90~120	2.0	0.38	22
		AC110	60		2.2	0.46	28
	A115	AC110	50	90~120	2.0	0.47	25
			60	100~130	1.8	0.35	22
		AC115	60		2.0	0.42	28
	A2	AC200	50	160~220	1.1	0.26	25
			60	180~240	1.0	0.19	22
		AC220	60		1.1	0.23	28
	A230	AC220	50	180~240	1.0	0.24	25
			60	200~260	0.91	0.17	22
		AC230	60		1.0	0.21	28
A24	AC 24V	50			2.4		
		60	21~28		2.1		
	R1	AC110	50	100~125		0.31	32
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

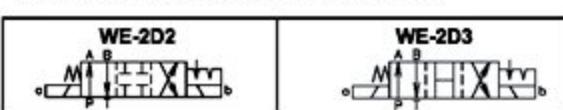
● Above value based on temperature 30°C, electric voltage allowance 15%.
以上數據基於溫度30°C，電壓容許度15%。

◆SPOOL TYPES 開柱型式

SPRING CENTERED 3 POSITIONS 舉臂中心三位式



NO SPRING 2 POSITIONS 無彈簧二位式



SPRING 2 POSITIONS 有彈簧二位式



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SOLENOID OPERATED DIRECTIONAL VALVES

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電磁換向閥

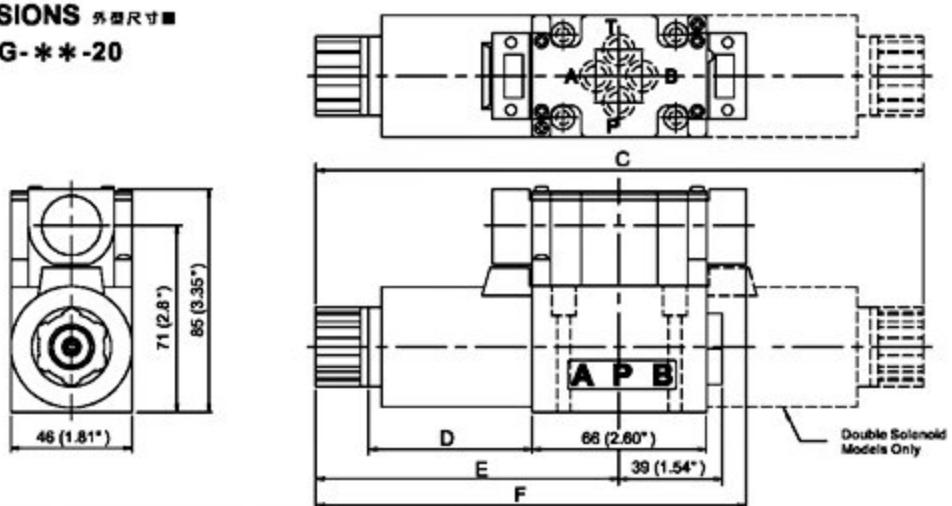
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2 POSITIONS 二位値

TYPE 類型	GRAPHIC SYMBOLS 圖形符號		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			2B2BL
2B3A			2B3AL			2B3BL
2B4A			2B4AL			2B4BL
2B40A			2B40AL			2B40BL
2B5A			2B5AL			2B5BL
2B6A			2B6AL			2B6BL
2B7A			2B7AL			2B7BL
2B8A			2B8AL			2B8BL
2B9A			2B9AL			2B9BL
2B10A			2B10AL			2B10BL
2B11A			2B11AL			2B11BL
2B12A			2B12AL			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")

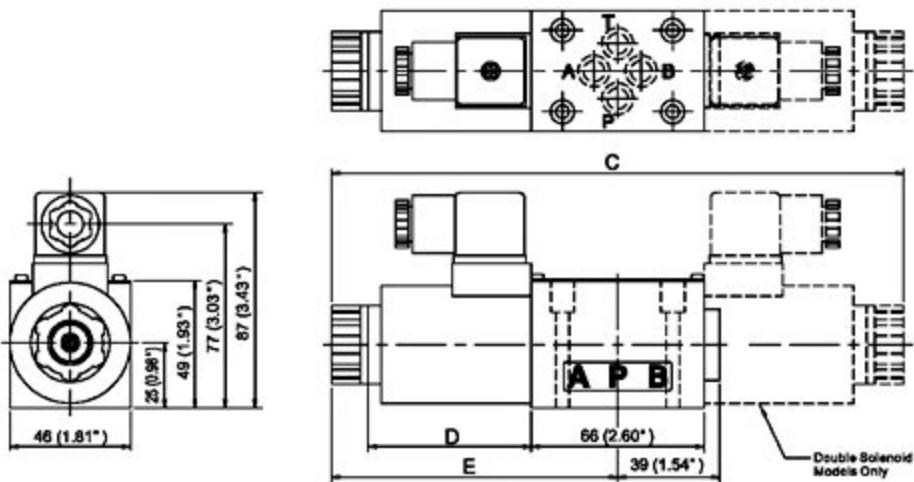
SOLENOID OPERATED DIRECTIONAL VALVES

電磁換向閥

WE SERIES

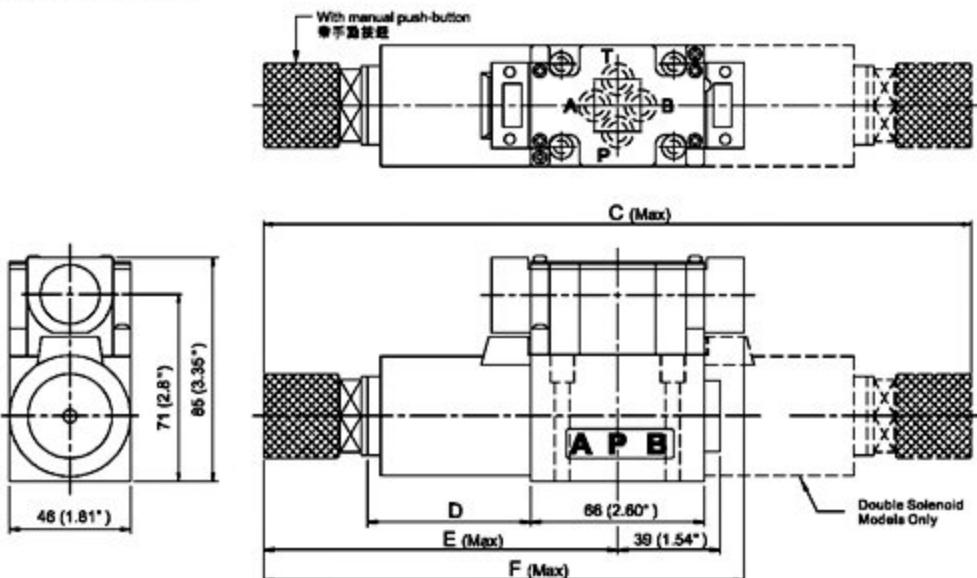
◆ DIMENSIONS 外型尺寸 ■

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")

SOLENOID OPERATED DIRECTIONAL VALVES

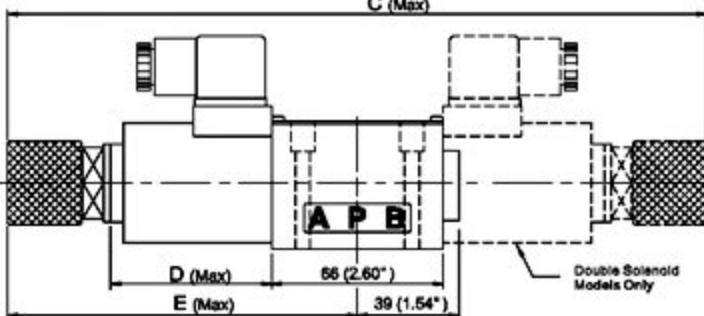
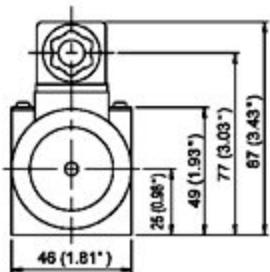
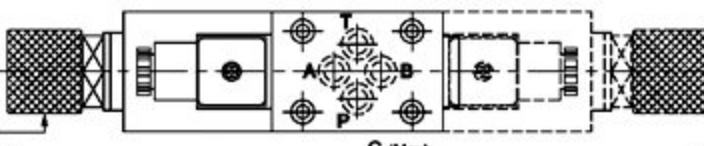
WE SERIES

電磁換向閥

◆ DIMENSIONS 外型尺寸圖

WE-02G-**-*K-30

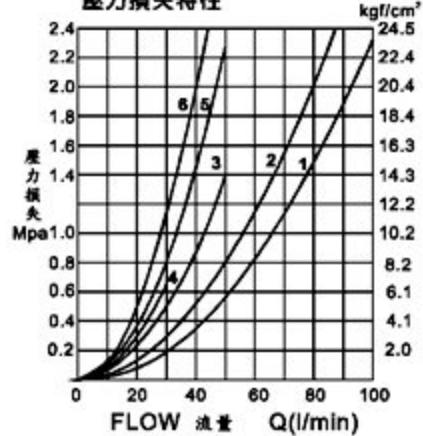
With manual push-button
●手動按钮



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

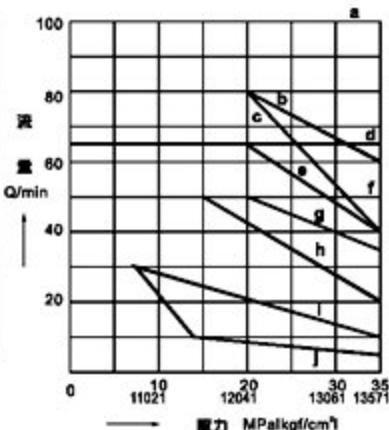
壓力損失特性



作動記號	作動油粘度 32mm ² /s _{cST}				
	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

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



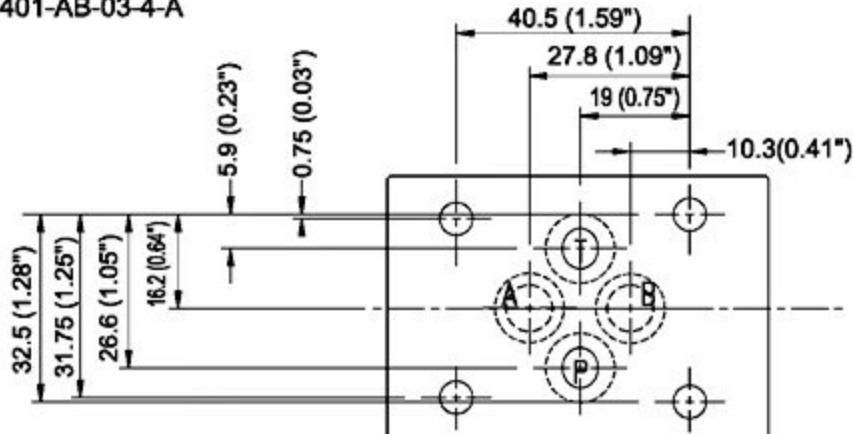
SOLENOID OPERATED DIRECTIONAL VALVES

電磁換向閥

WE SERIES

◆ Mounting Interface 基座尺寸 ■

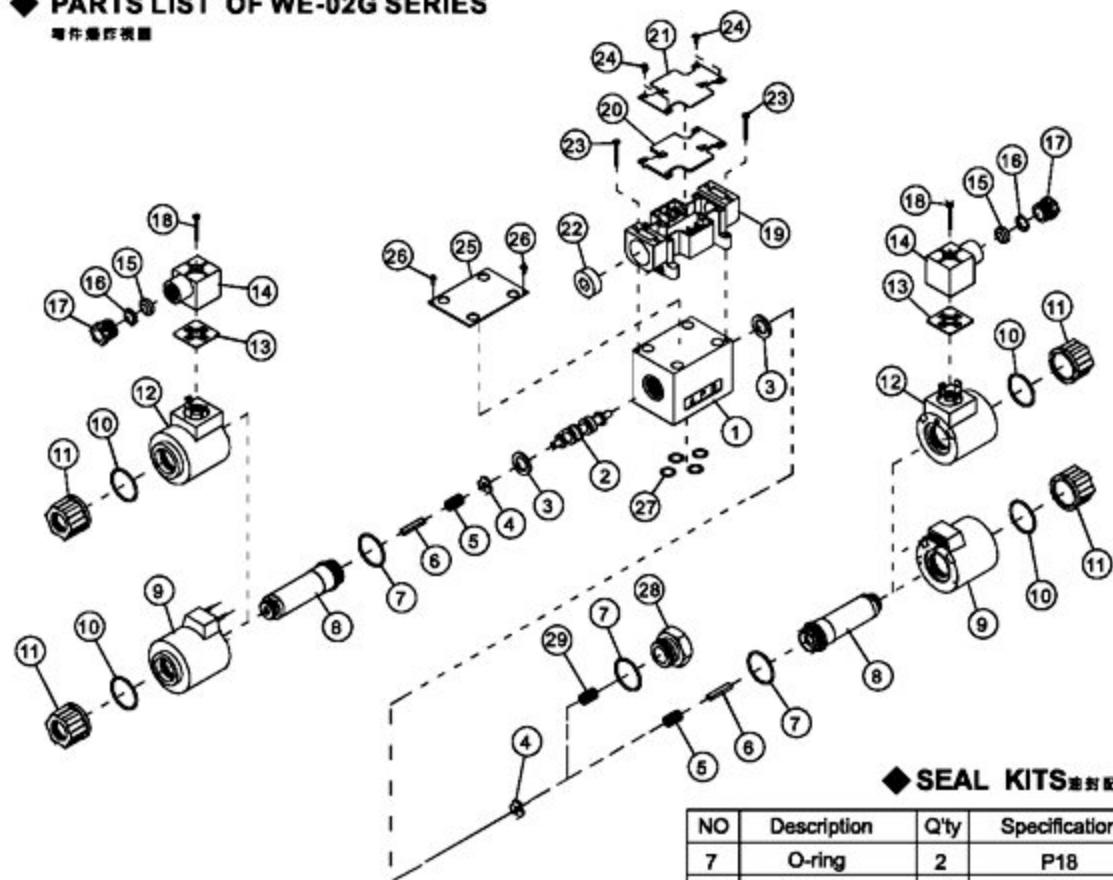
ISO 4401-AB-03-4-A



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◆ PARTS LIST OF WE-02G SERIES

零件爆炸視圖



◆ SEAL KITS 連封配件

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.

底板資訊請參考本公司網站目錄 _M02/03/04/06/10, 或與本公司聯繫

SOLENOID OPERATED DIRECTIONAL VALVES

WEH SERIES

電磁換向閥

◆ MODEL 型式

WEH-03G

A
WEH



◆ FEATURES 特點

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

特點
 • 本公司製造堅固耐用且耐久性・壽命長。
 • 內部硬鋼零件提高壽命。

◆ SPECIFICATIONS 技術規格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum tank line back pressure 最大容許背壓 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					
WEH-*B*-03G-**-20	350 (5076 psi)	210 (3045 psi)	300 CPM	160 (42.26 gpm)	
WEH-*C*-03G-**-30					
WEH-*B*-03G-**-30					
Fluid Type 液體型式				ISO VG 32, 46, 68	
Viscosity 粘性 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，若需英制或異規另請註明。

◆ HOW TO ORDER 訂購說明

1	2	3	4	5	6
WEH	—	***	—	03	— G — * — 20

1 VALVE SERIES 系列名稱

WEH=Solenoid Operated Directional Valves

4 CONNECTING TYPE 連接型式

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

2 SPOOL TYPE 滑柱型式

Detail as next 明細見下頁
page listed

5 TYPE OF COIL 電磁鐵電磁線圈型

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

3 SUBPLATE MOUNTING SIZE: 滑柱尺寸

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

6 WIRING TYPE 接線型式

20: WIRING BOX TYPE 擬盒式
30: DIN TYPE DIN型

SOLENOID OPERATED DIRECTIONAL VALVES

電磁換向閥

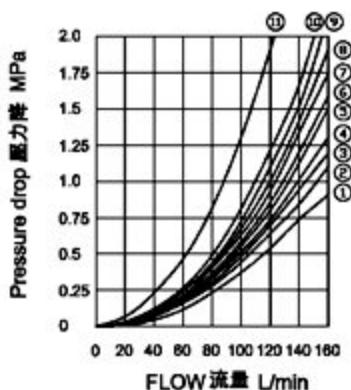
WEH SERIES

◆ SOLENOID RATINGS: 電磁定額

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

● Above value based on temperature 30°C, electric voltage allowance 15%.
以上数据基于温度30°C, 电压容许度15%。

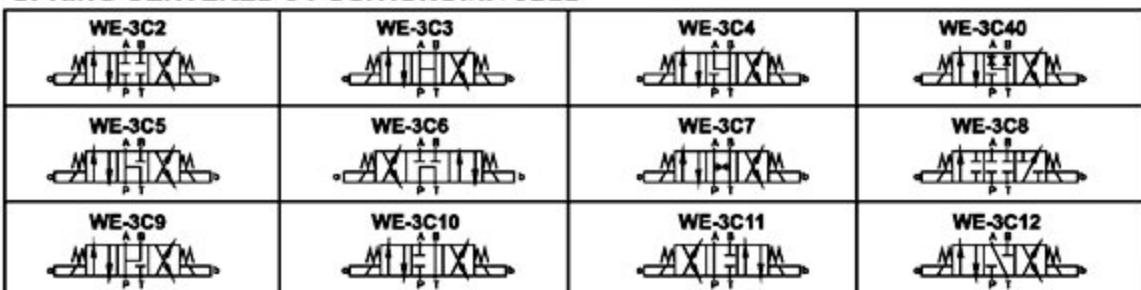
◆ PERFORMANCE CURVES 電能曲線



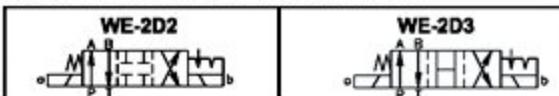
Spool Type 滑柱型式	Pressure Drop Curve Number 電力降曲線編號								
	Change Movement 变换狀				Neutral 中立時				
	P→A	B→T	P→B	A→T	P→T	A→T	B→T	P→A	P→B
C2	⑤	③	⑤	③	—	—	—	—	—
C3	⑦	⑩	⑦	⑩	⑥	⑧	⑧	⑥	⑥
C4	⑤	⑨	⑤	⑨	—	④	④	—	—
C5	⑥	③	⑨	⑪	⑩	②	—	⑥	—
C6	①	⑩	①	⑩	⑪	—	—	—	—
C8	⑤	—	⑤	—	—	—	—	—	—
C9	⑥	③	⑥	③	—	—	—	⑦	⑦
C10	⑤	⑨	⑤	③	—	—	④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

◆ SPOOL TYPES 滑柱型式

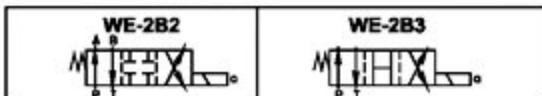
SPRING CENTERED 3 POSITIONS 滚簧中三位



NO SPRING 2 POSITIONS 无弹簧二位



SPRING 2 POSITIONS 有弹簧二位



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SOLENOID OPERATED DIRECTIONAL VALVES

WEH SERIES

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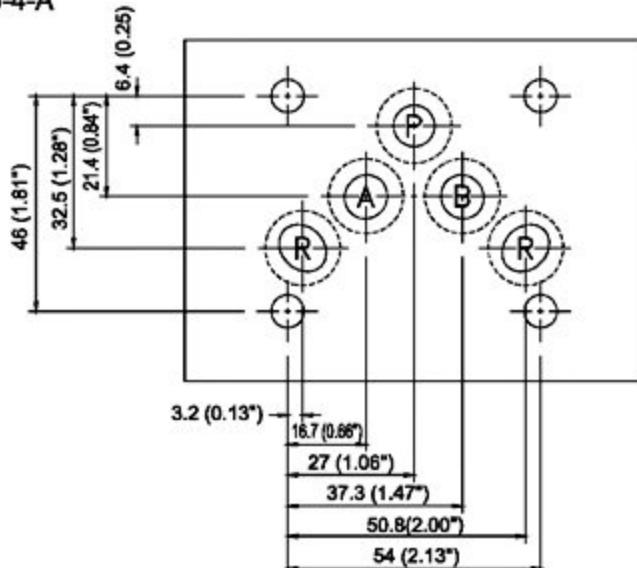
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2 POSITIONS 二位

TYPE 類型	GRAPHIC SYMBOLS 图形符号		TYPE 類型	GRAPHIC SYMBOLS 图形符号		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			2B2BL
2B3A			2B3AL			2B3BL
2B4A			2B4AL			2B4BL
2B40A			2B40AL			2B40BL
2B5A			2B5AL			2B5BL
2B6A			2B6AL			2B6BL
2B7A			2B7AL			2B7BL
2B8A			2B8AL			2B8BL
2B9A			2B9AL			2B9BL
2B10A			2B10AL			2B10BL
2B11A			2B11AL			2B11BL
2B12A			2B12AL			2B12BL

◆ Mounting Interface 安装尺寸

ISO 4401-AC-05-4-A

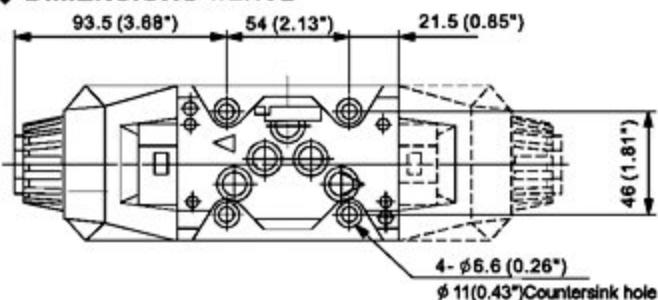


SOLENOID OPERATED DIRECTIONAL VALVES

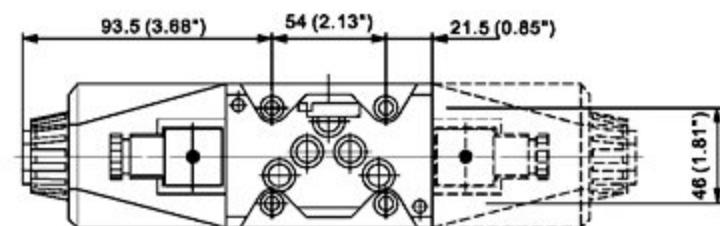
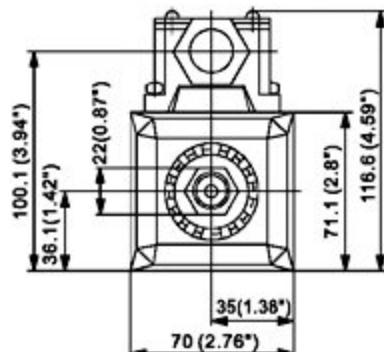
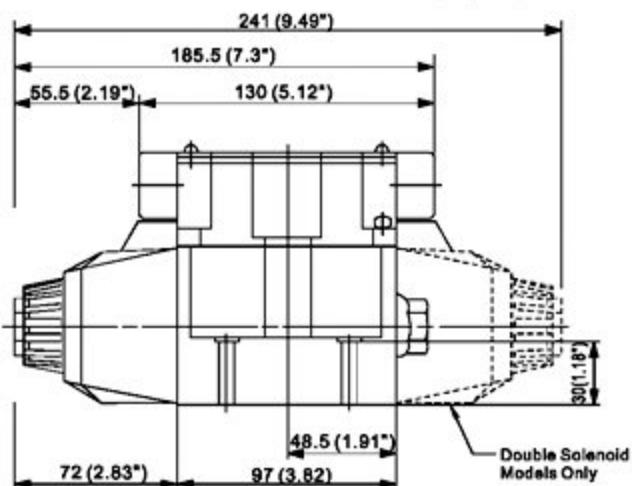
電磁換向閥

WEH SERIES

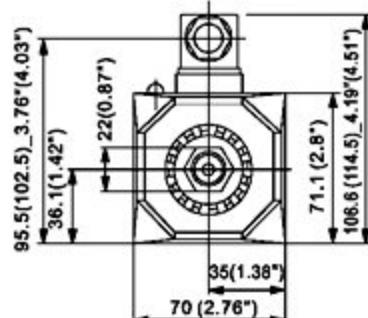
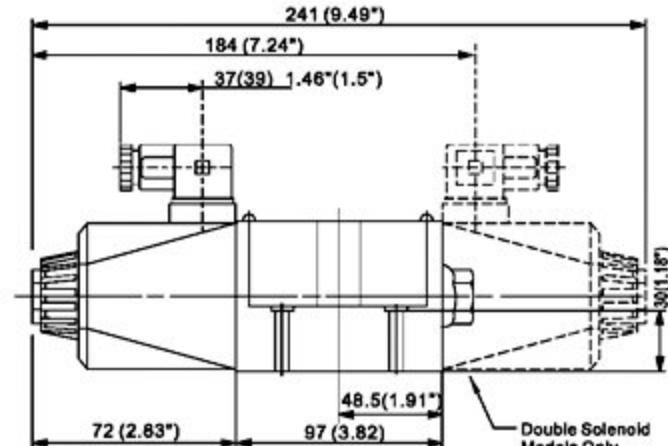
◆ DIMENSIONS 外型尺寸 ■



WEH-03G-A2-20



WEH-03G-A2-30



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WEH

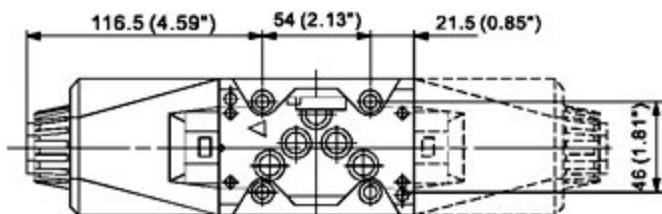
SOLENOID OPERATED DIRECTIONAL VALVES

WEH SERIES

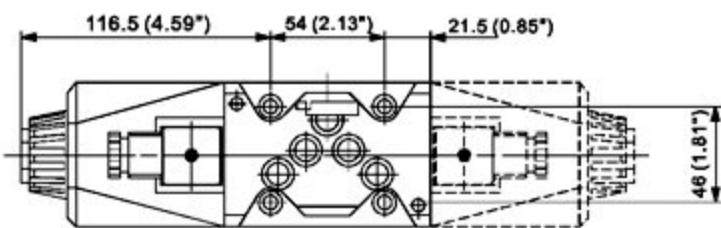
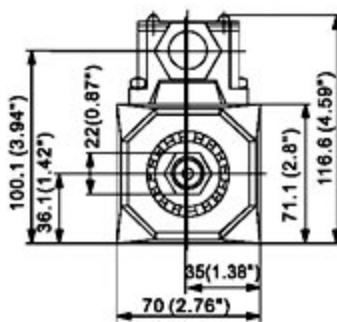
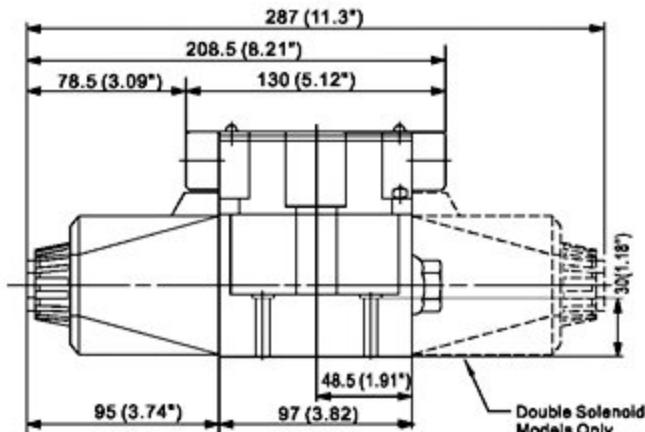
電磁換向閥

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WEH

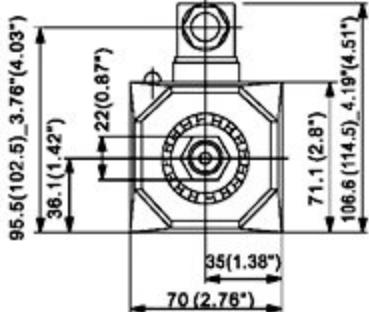
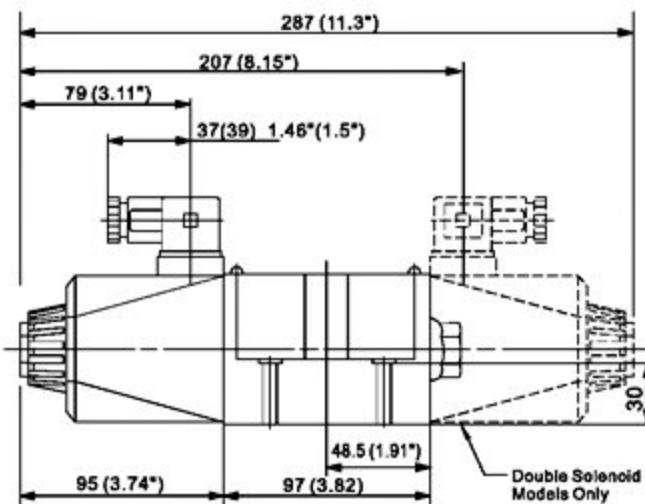
◆ DIMENSIONS 外型尺寸圖



WEH-03G-D2-20



WEH-03G-D2-30



SOLENOID OPERATED DIRECTIONAL VALVES

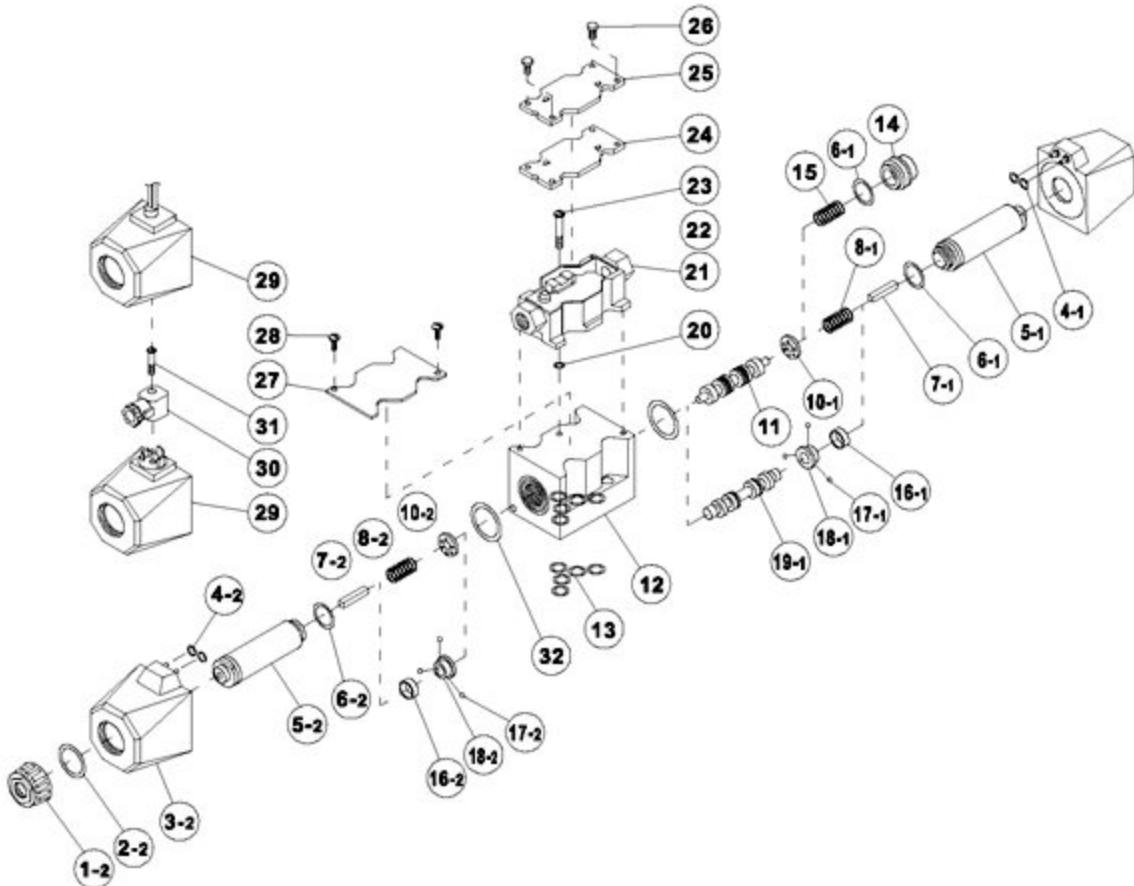
電磁換向閥

WEH SERIES

◆ PARTS LIST OF WEH-03G SERIES

零件操作視圖

A
WEH



◆ SEAL KITS 油封配件

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.

底板資訊請參考本公司網站目錄 _M02/03/04/06/10, 或與本公司聯繫

SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

DS SERIES

電磁換向閥

◆ MODEL 型式

DS-06



A
DS

◆ SPECIFICATIONS 技術規格

Model Number	Maximum Pressure 最大壓力 bar	Connecting PT 連接管徑	Back Pressure "T" 背壓-T bar	Maximum Flow 最大流量 lpm	Weight 重量 Kg (Weight exclude solenoid valves) 重量不含電磁鐵
DS-04G	250 (3625 psi)	1/2"	210 (3048psi)	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 (29.78 lbs)
DS-10G	250 (3625 psi)	1-1/4"	210 (3048psi)	1100 (290 gpm)	51.6 (113.75 lbs)
Fluid Type 油種型式			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.

所有螺絲為公制螺紋規格, 若需英制或特殊規格外請註明。

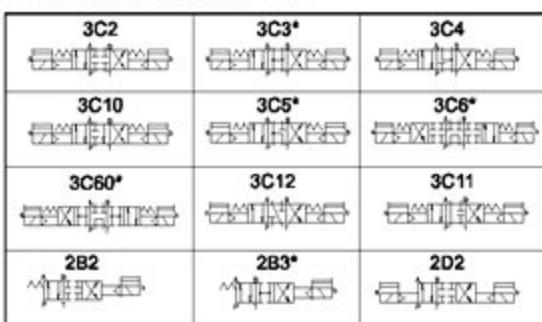
◆ HOW TO ORDER 請按規則

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 ■ 規符號



3 SUBPLATE MOUNTING SIZE: 融合尺寸

04 = 1/2" (12mm)	06 = 3/4" (19mm)	10 = 1 1/4" (31.8mm)
ISO CETOPT7	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 释放方式

NONE:INNER T:OUTER
無:內部 T:外部

6 PILOT OPERATED WAY 引導壓方式

NONE:INNER E:OUTER
無:內部 E:外部

7 ADJUSTING WAY 調整方式

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

8 COIL TYPES OF SOLENOID VALVE

電磁閥電磁鐵規格

A1 : AC110 60HZ	D1 : DC12
A15 : 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 並線盒式
30: DIN TYPE DIN型

SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

電磁換向閥

DS SERIES

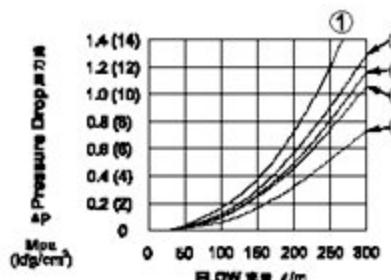
◆ PERFORMANCE

Test Conditions 測試條件

Oil Temperature 油溫度: 50°C (122°F)

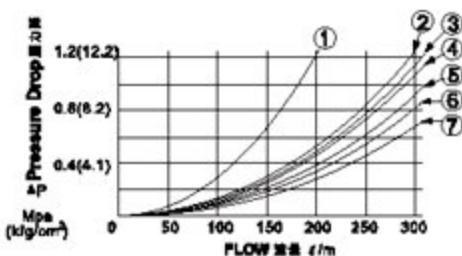
Viscosity 黏度: 35 cSt (163 SSU)

● DSH - 04



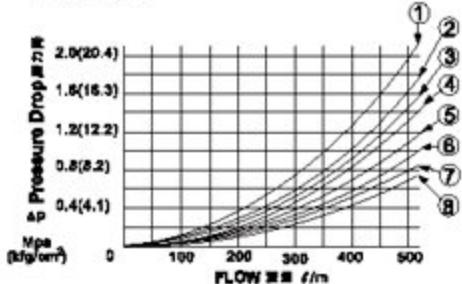
Curve Type 曲線形式	Pressure Drop Curve Number 壓力降曲線編號				
	P→A	B→T	P→B	A→T	P→T
2	⑤	③	⑤	③	-
6	④	②	⑤	③	①
4	⑥	③	⑥	③	-
10	⑤	③	⑤	③	-

● DS - 04



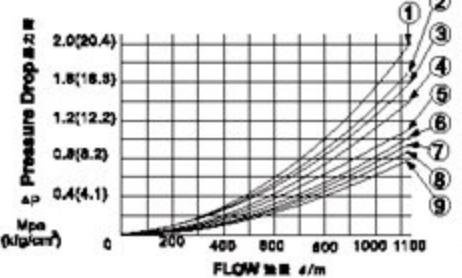
Curve Type 曲線形式	Pressure Drop Curve Number 壓力降曲線編號					Curve Type 曲線形式	Pressure Drop Curve Number 壓力降曲線編號				
	P→A	B→T	P→B	A→T	P→T		P→A	B→T	P→B	A→T	P→T
2	5	2	4	2	5	2	6	4	5	7	2
3	5	3	5	5	7	7	5	4	5	5	-
4	5	2	3	3	5	5	9	5	4	5	8
40	5	2	4	7	5	2	6	6	10	5	2
5	7	4	5	5	6	11	6	4	5	6	-
6	5	8	3	4	5	8	7	12	5	2	4

● DS - 06



Curve Type 曲線形式	Pressure Drop Curve Number 壓力降曲線編號					Curve Type 曲線形式	Pressure Drop Curve Number 壓力降曲線編號				
	P→A	B→T	P→B	A→T	P→T		P→A	B→T	P→B	A→T	P→T
2	8	6	5	1	6	7	2	-	6	6	5
3	6	4	6	7	8	7	8	4	6	7	-
4	8	6	5	2	8	6	7	-	9	8	5
40	8	5	8	7	-	10	8	5	8	7	-
5	8	4	5	7	2	11	8	4	5	7	-
6	5	1	5	4	3	12	8	5	8	7	-

● DS - 10



Curve Type 曲線形式	Pressure Drop Curve Number 壓力降曲線編號					Curve Type 曲線形式	Pressure Drop Curve Number 壓力降曲線編號				
	P→A	B→T	P→B	A→T	P→T		P→A	B→T	P→B	A→T	P→T
2	9	8	6	3	9	8	4	-	6	8	5
3	7	6	7	7	5	7	7	6	7	7	-
4	9	8	6	5	9	8	6	-	9	7	6
40	9	6	9	8	6	-	10	9	5	9	8
5	9	8	6	8	8	11	9	6	8	7	-
6	5	3	5	4	2	12	9	7	9	8	-

A
DS

SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

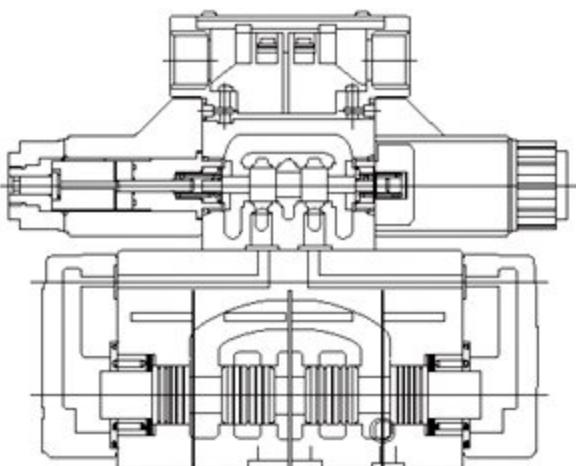
DS SERIES

電磁換向閥

◆ SECTION ■ ■ ■

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

A
DS

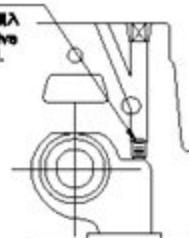


PN0803400 - 04G-A
Without Plug When Valve
Is Internally Piloted.

PN0803400 - 04G-A
With Plug When Valve
Is Externally Piloted.

PN0803400 - 04G-A
Without Plug When Valve
Is Internally Piloted.

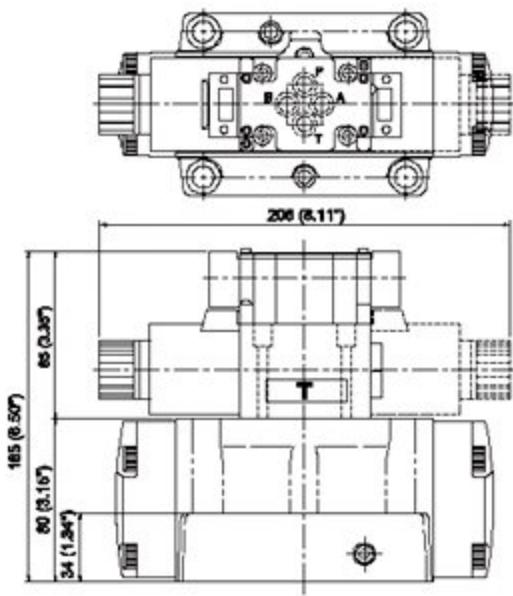
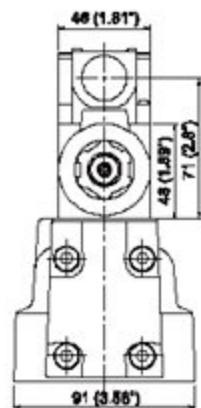
PN0803400 - 04G-A
With Plug When Valve
Is Externally Piloted.



ACCESSORIES 附屬零件			
DS-04G	HEX COUNTER-SINK SCREW	4	M10 x 45L
		2	M6 x 4DL
DSH-04G	HEX COUNTER-SINK SCREW	4	M10 x 65L
		2	M6 x 55L
DS-08G	HEX COUNTER-SINK SCREW	6	M12 x 65L
DS-10G	HEX COUNTER-SINK SCREW	6	M20 x 70L

◆ DIMENSIONS 外觀尺寸圖

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



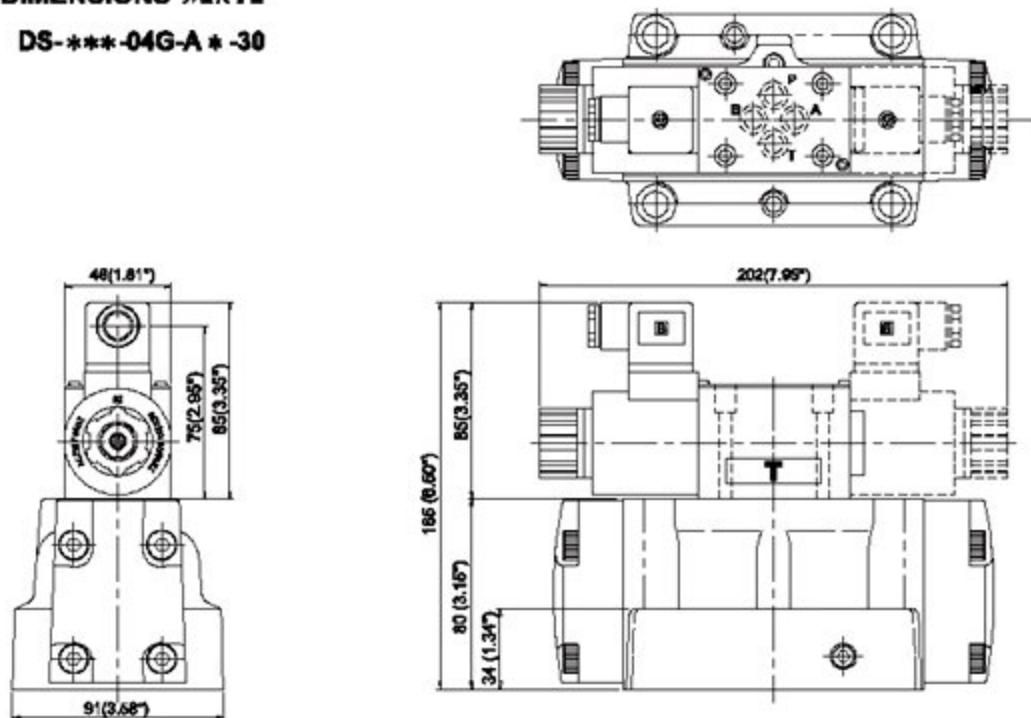
SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

電磁換向閥

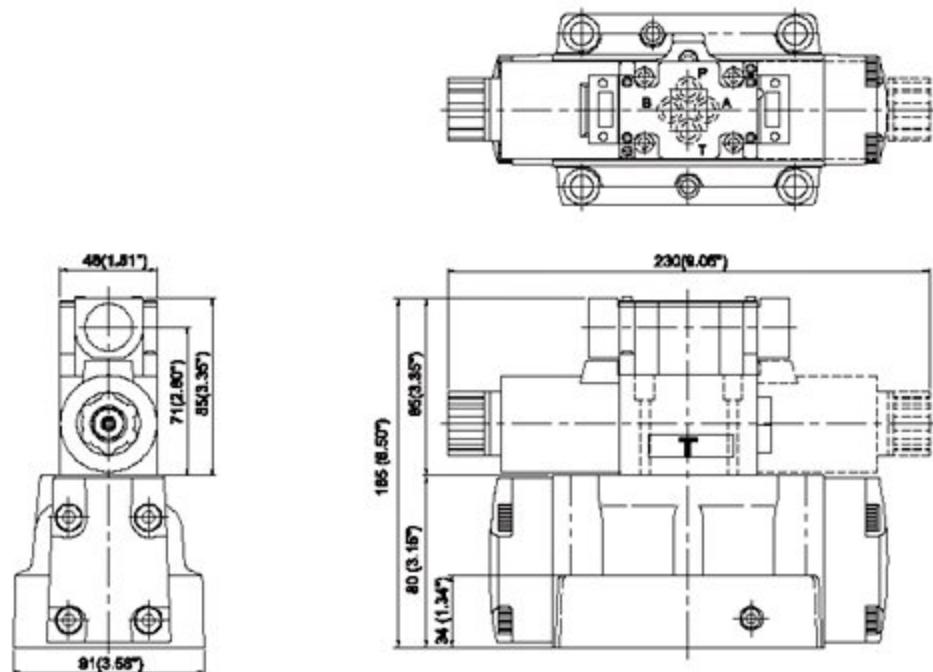
DS SERIES

◆ DIMENSIONS 外觀尺寸圖

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



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



SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

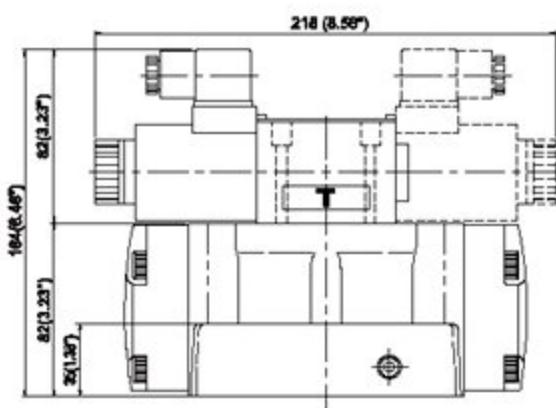
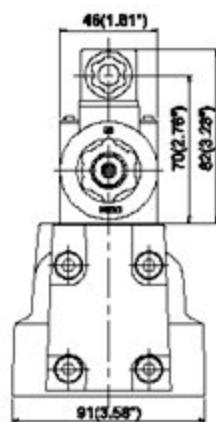
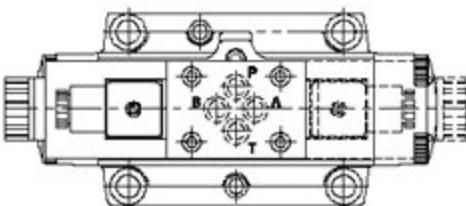
DS SERIES

电磁铁内圆

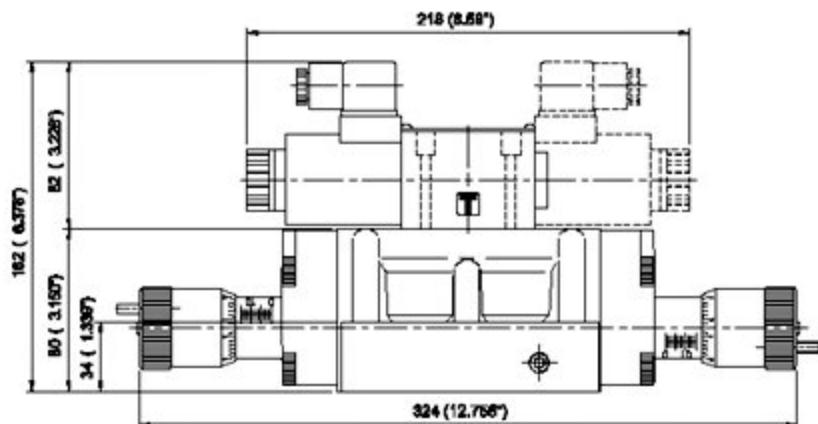
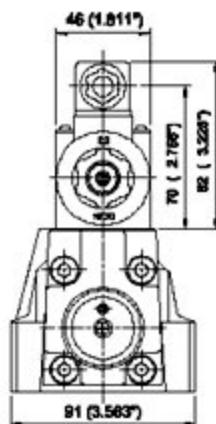
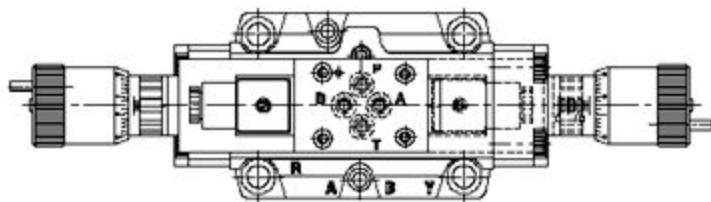
◆ DIMENSIONS 外形尺寸图

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

A
DS



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



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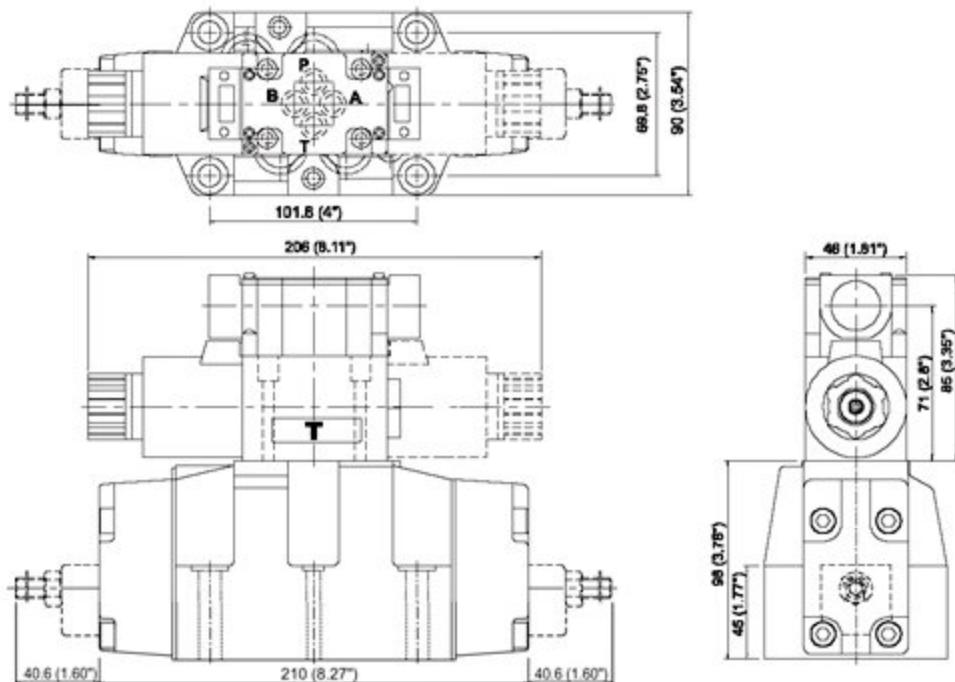
電磁換向閥

DS SERIES

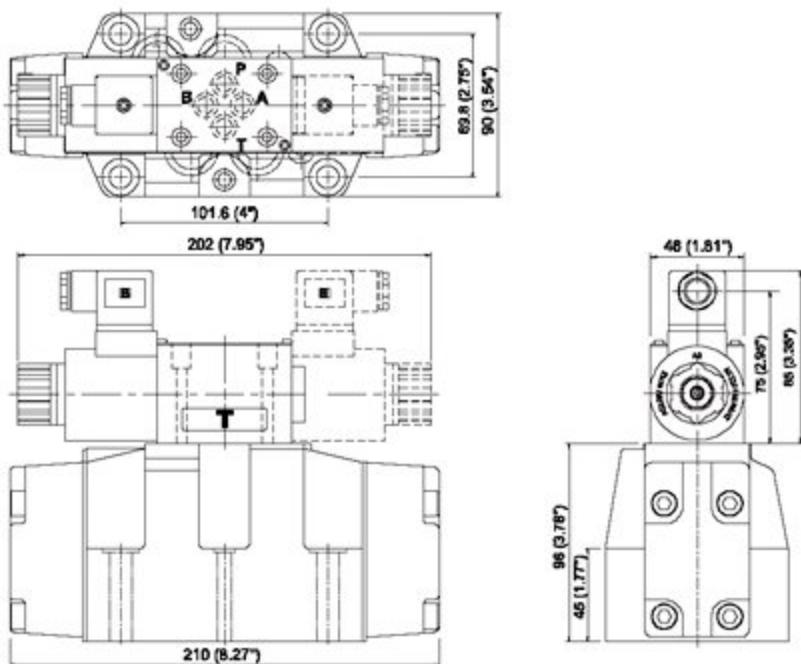
◆ DIMENSIONS 外型尺寸 ■

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

DSH-04G-WK-20



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



SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

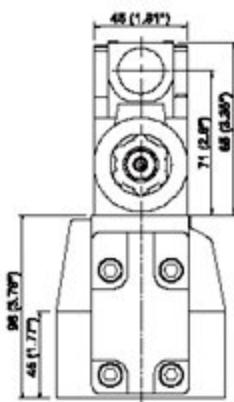
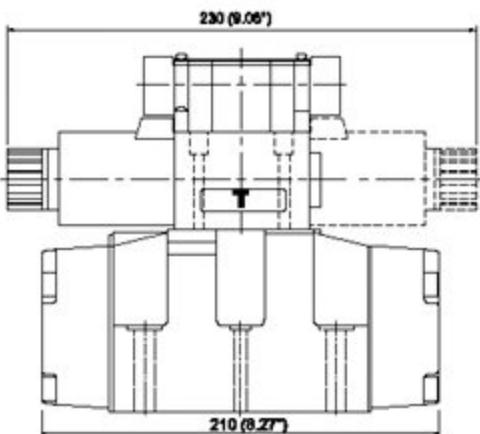
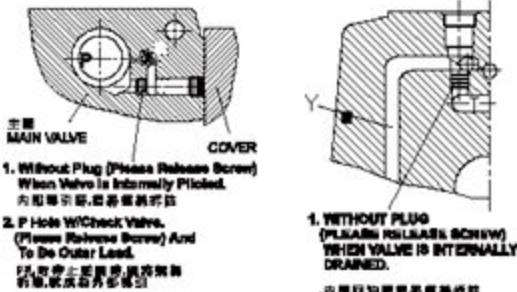
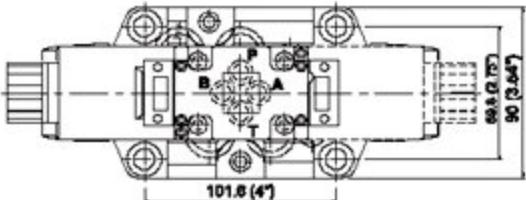
DS SERIES

电磁铁内圆

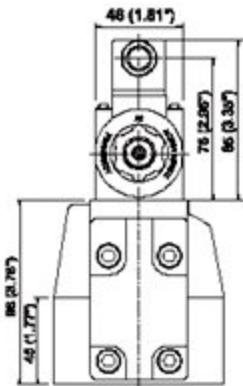
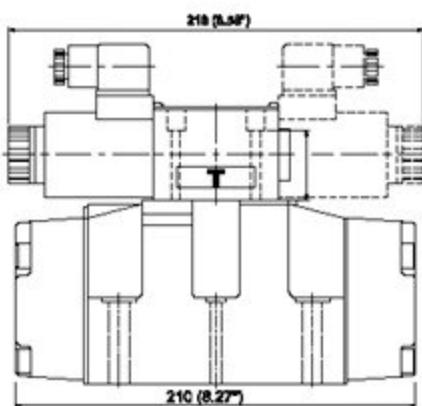
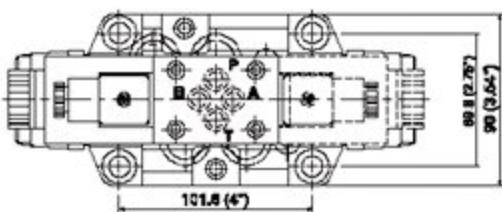
◆ DIMENSIONS 外型尺寸图

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

A
DS



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



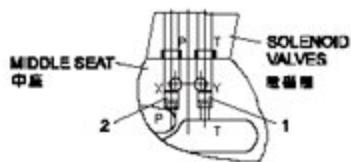
SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

電磁換向閥

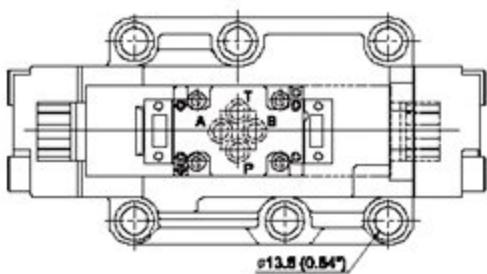
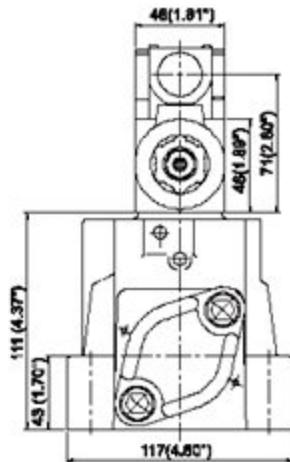
DS SERIES

◆ DIMENSIONS 外型尺寸 ■

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

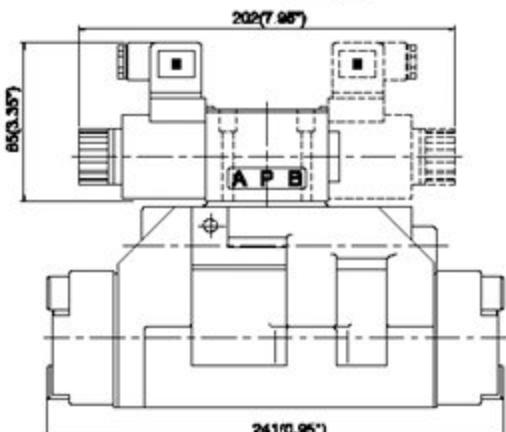
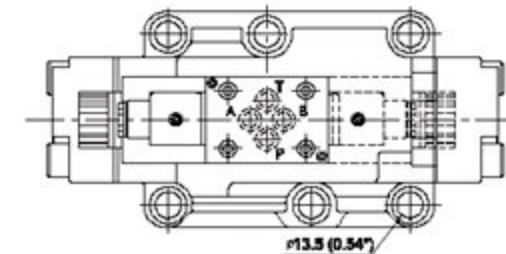
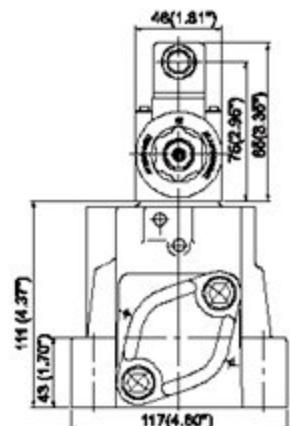


Take the plug 1 and 2 for using
Inner load and inner release oil.
如需使用內部引導和內部卸油
可把1.2兩頭拿出即可



A
DS

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



SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

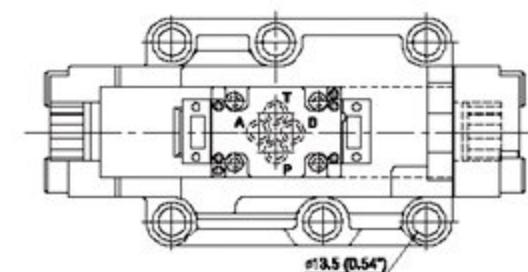
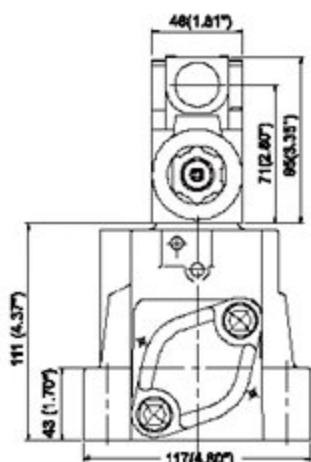
DS SERIES

电磁铁内圆

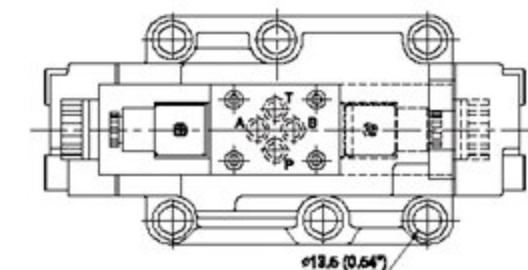
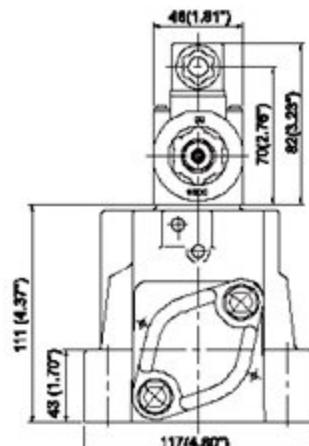
◆ DIMENSIONS 外型尺寸图

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

A
DS



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



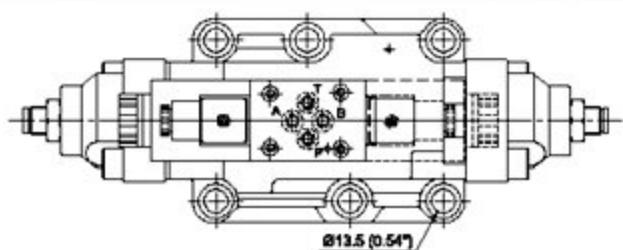
SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

電磁換向閥

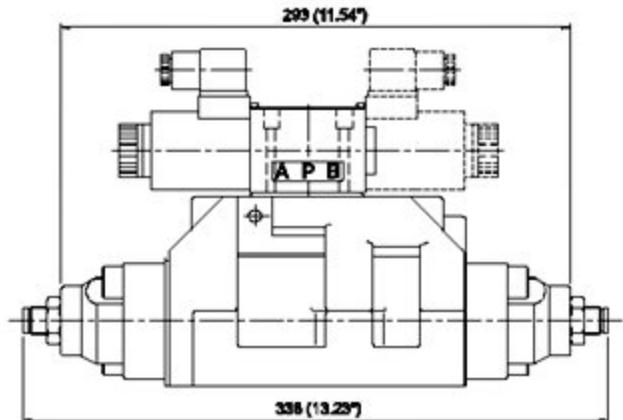
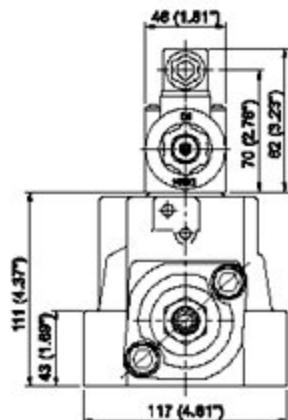
DS SERIES

◆ DIMENSIONS 外形尺寸圖

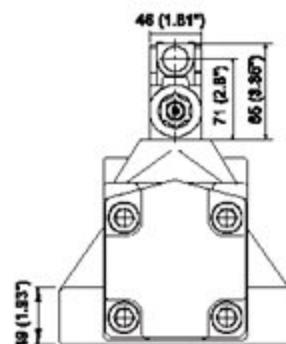
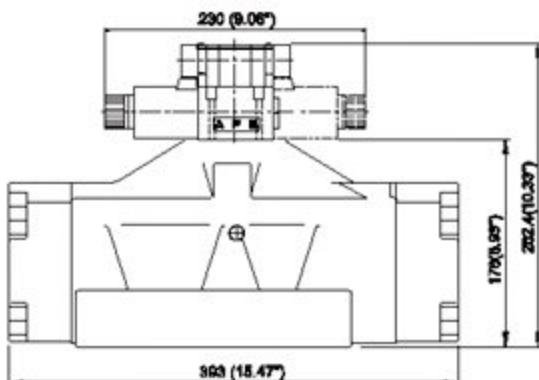
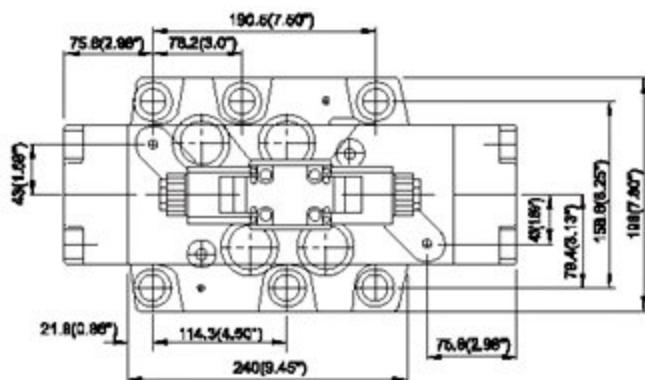
DS-***-06G-WK-D*-30



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DS



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



SOLENOID CONTROLLED PILOT OPERATED DIRECTIONAL VALVES

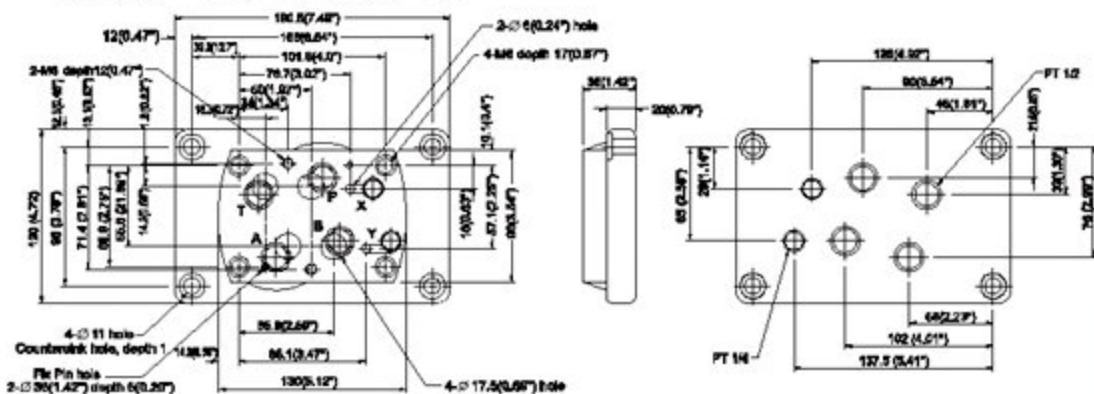
DS SERIES

第358頁

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DS

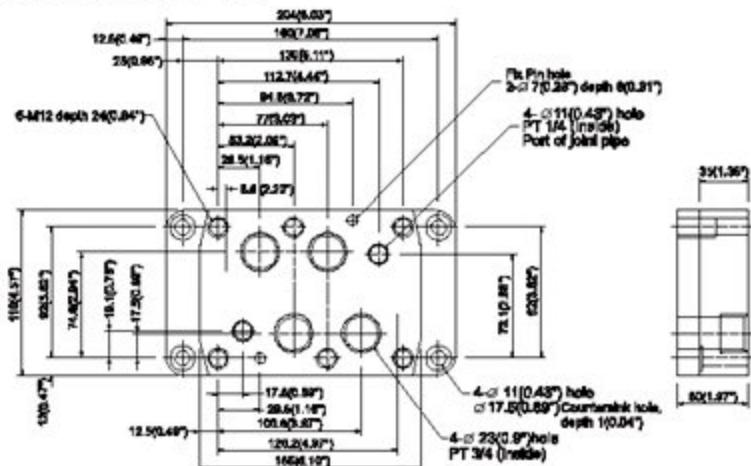
◆ Mounting Interface 鋼尺尺頭

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



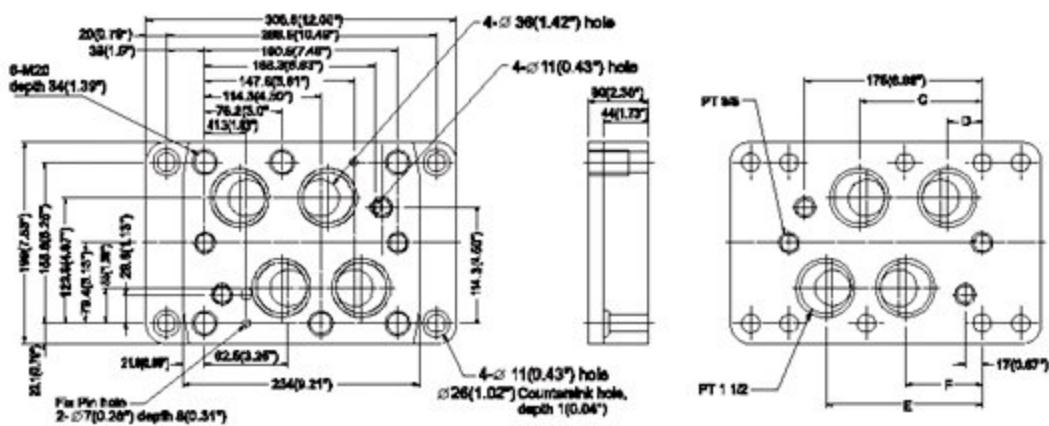
◆ Mounting Interface

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



◆Mounting Interface 面板■

ISO 4401-AF-10-4-A



PILOT OPERATED DIRECTIONAL VALVES

引導式方向閥

DS-02G SERIES

◆ MODEL 型式

DS-02G



A
DS

◆ FEATURES

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

特 許
• 鋼本體兩端強度得足夠耐久性，壽命長。
• 內部硬鋼零件提高產品壽命。

◆ SPECIFICATIONS 规 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 流體型式		ISO VG 32, 46, 68			
Viscosity 粘性 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 酸鹽 雜合物			

• All screws with metric measure, If require inch measure, please contact us.

所有螺絲皆為公制規格，若需英制規格請另外備註說明。

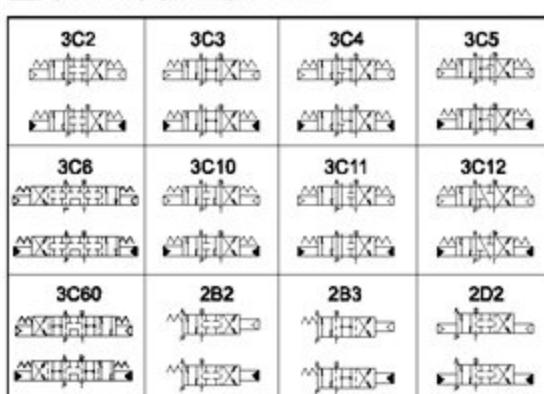
◆ HOW TO ORDER 訂購說明

1	2	3	4	5
DS	— *** —	02	— G —	*

1 VALVE SERIES 系列名稱

DS=Pilot Operated Check Valves

2 GRAPHIC SYMBOL ■ 皮符號



3 SUBPLATE MOUNTING SIZE: 雜項口徑

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

4 CONNECTING TYPE 連接型式

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

5 PILOTED WAY 導引方式

A:PNEUMATIC PILOTED
A: (空壓導引)
B:HYDRAULIC PILOTED
B: (液壓導引)

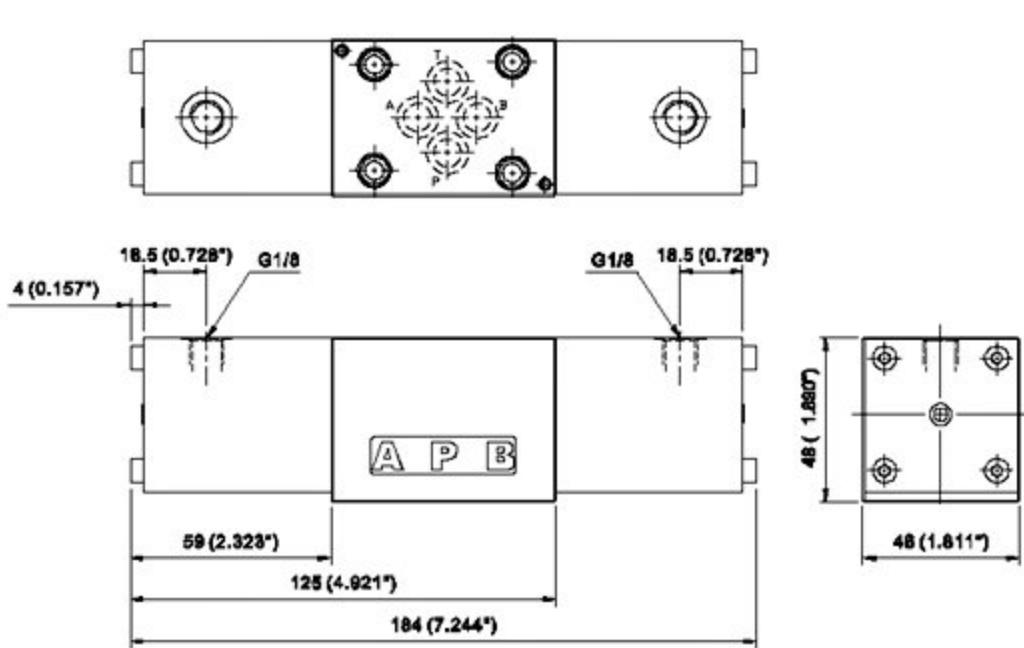
PILOT OPERATED DIRECTIONAL VALVES

DS-02G SERIES

引導式方向閥

◆ DIMENSIONS 外觀尺寸圖

DS-02G-A

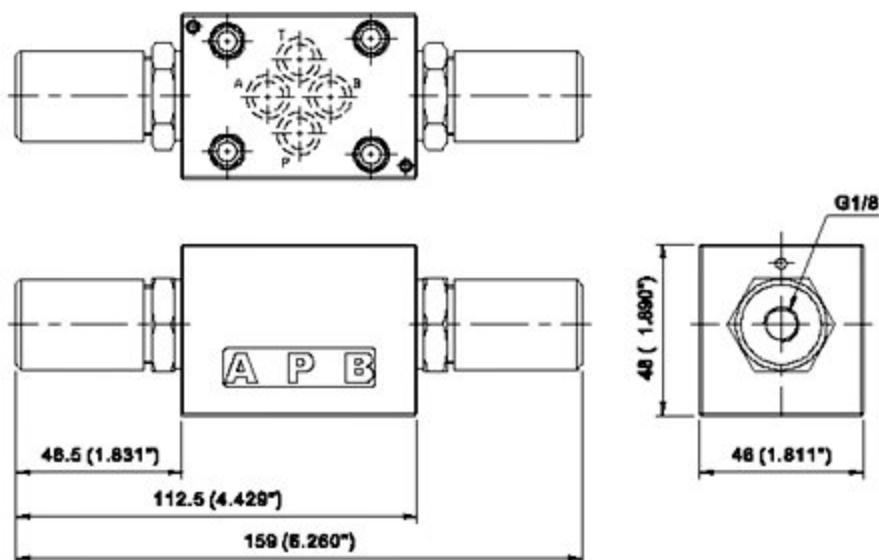


◆ DIMENSIONS 外觀尺寸圖

DS-02G-B

● Mounting Interface 安裝規格

ISO 4401-AB-03-4-A



SOLENOID CHECK VALVES

電磁止逆閥

LVSH-02G

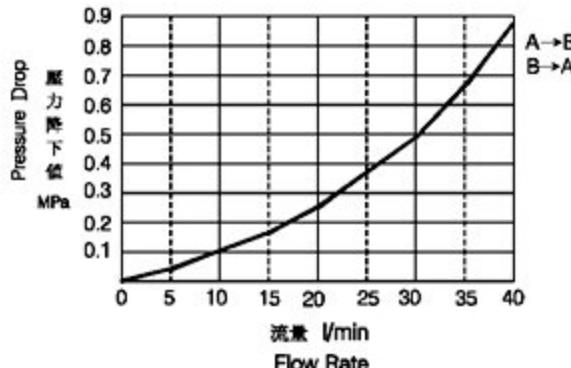
◆ MODEL 款式

LVSH-02G



◆ PERFORMANCE (Cartridge Only)

特性曲線



◆ SPECIFICATIONS 规格

Model Number	Maximum Pressure	Maximum Flow	Weight
LVSH-02G	315 (4500 psi)	35 (9.25 gpm)	2.4 (5.3 lbs)
Fluid Type	ISO VG 32, 46, 68		
Viscosity	10~400 (59~1854 SSU)		
Operating Temperature	-15~70 (-5~158 °F)		
Contamination Level	ISO4406. 21/19/16 NAS1638,10		
Surface Treatment	Zinc Phosphate Compound 鋅酸鹽 化合物		

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

所有螺絲皆為公制螺紋規格品，若需英制螺紋請另外註明。

◆ HOW TO ORDER 訂購說明

1	2	3	4	5
LVSH	— 02	G	— **	— 20

1 VALVE SERIES 系列名稱

LVSH= Solenoid Check Valves

4 TYPE OF COIL 電磁鐵電容規類型

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

2 SUBPLATE MOUNTING SIZE: 電子板尺寸

02=1/4"(6mm)

ISO CETOP3

DIN NG 6

NFPA D03

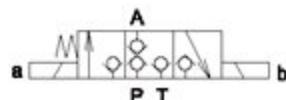
5 DESIGN NO. 設計圖號

3 CONNECTING TYPE 接接型式

G:TYPE:BASEPLATE MOUNTING TYPE

G : (板式連接)

◆ CONTROL PORT(S) 運作形式



A
LVSH

SOLENOID CHECK VALVES

LVSH-02G

電磁止逆閥

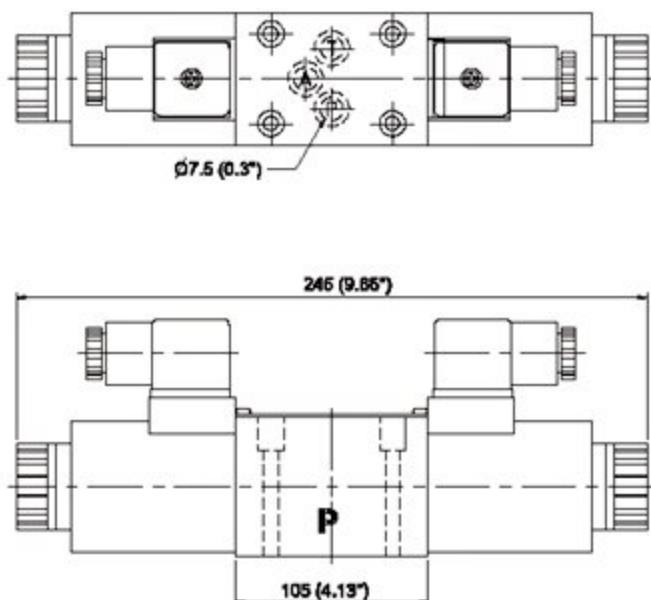
◆ DIMENSIONS 先型尺寸

LVSH-02G

● Mounting Interface 安装界面

ISO 4401-AB-03-4-A

A
LVSH



SOLENOID CHECK VALVES

電磁止逆閥

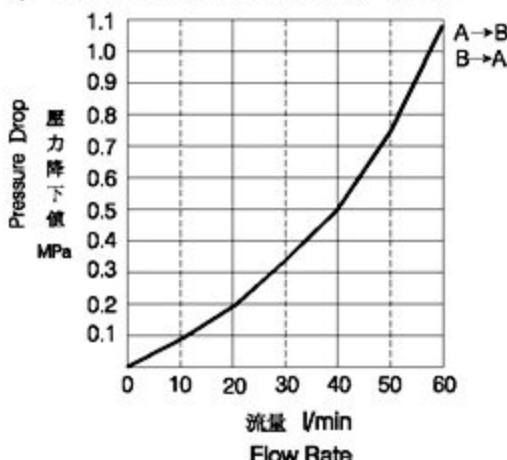
LVSH-03G

◆ MODEL ■ 機型

LVSH-03G



◆ PERFORMANCE (Cartridge Only) 特性曲線



◆ SPECIFICATIONS 技術規格

Model Number	Maximum Pressure	Maximum Flow	Weight
LVSH-03G	315 (4500 psi)	50 (13.21 gpm)	2.4 (5.3 lbs)
Fluid Type		ISO VG 32, 46, 68	
Viscosity		10~400 (59~1854 SSU)	
Operating Temperature		-15~70 (-5~158 °F)	
Contamination Level		ISO4406. 21/19/16 NAS1638,10	
Surface Treatment		Zinc Phosphate Compound 鋅酸鹽 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，若需英吋規格請另外註明說明。

◆ HOW TO ORDER 訂購說明

1	2	3	4	5
LVSH	— 03	G	— **	— 20

1 VALVE SERIES 系列名稱

LVSH= Solenoid Check Valves

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

2 SUBPLATE MOUNTING SIZE: 固定口徑

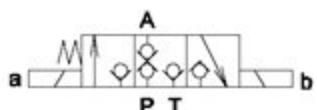
03= 3/8"(9mm)
ISO CETOP5
DIN NG 10
NFPA D05

5 DESIGN NO. 設計編號

3 CONNECTING TYPE 連接型式

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

◆ CONTROL PORT(S) 運作形式



A
LVSH

SOLENOID CHECK VALVES

LVSH-030

電磁止逆閥

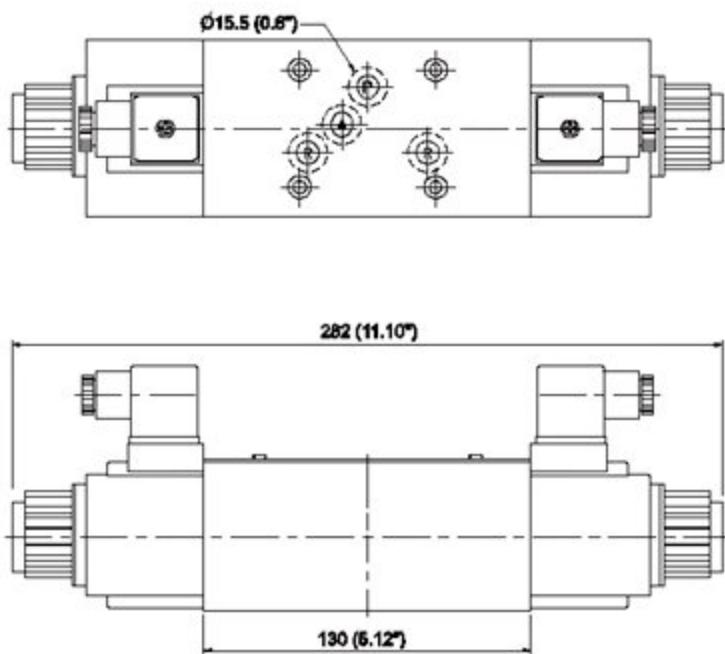
◆ DIMENSIONS 尺寸

LVSH-03G-W

● Mounting Interface 安装界面

ISO 4401-AC-05-4-A

A
USH



SOLENOID CHECK VALVES

電磁止逆閥

LVS SERIES

◆ MODEL 款式



◆ FEATURES

- Casting iron valve bodies are provide strength and durability for longer life.
- Internal hardened steel components also provide longer life.
- 特點
 - 鋼本體能提供堅固耐用性，壽命長。
 - 內部硬鋼零件能提高產品壽命。
 - 本設計為雙止逆方式可帶非常良好的止逆切斷。

A
LVS

◆ SPECIFICATIONS 技術規格

Model Number 型式號碼	Maximum Pressure bar 最大壓力	Maximum Flow lpm 最大流量	Weight Kg 重量
LVS-02G	250 (3625 psi)	35 (9.24 gpm)	
LVS-03G		50 (13.2 gpm)	
Fluid Type 汽液類別		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 鋅磷酸化合物	

- All screws with metric measure, if require inch measure, please contact us.
所有螺絲皆為公制規格，若需英制螺絲請另外註明。

◆ HOW TO ORDER 訂購說明

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 電磁鐵電磁線圈類型

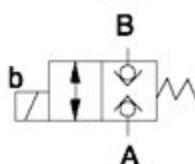
A1: 115VAC D1: 12 VDC
A2: 230VAC D2: 24 VDC

2 SUBPLATE MOUNTING SIZE: 槽型口徑

02 = 1/4"(6mm) 03 = 3/8"(9mm)
ISO CETOP3 ISO CETOP5
DIN NG 6 DIN NG 10
NFPA D03 NFPA D05

5 DESIGN NO. 設計編號

3 CONTROL PORT(S) 操作形式



SOLENOID CHECK VALVES

LVS SERIES

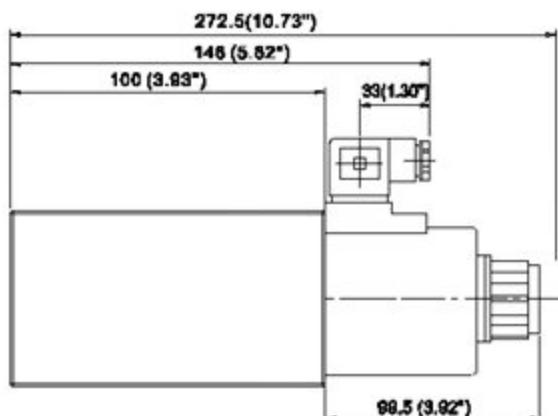
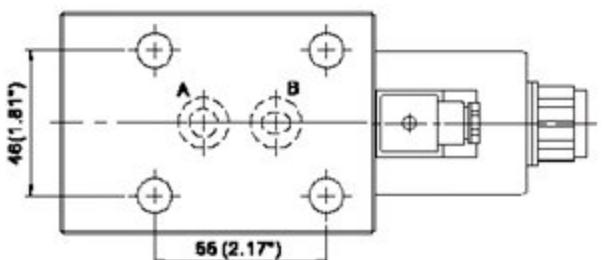
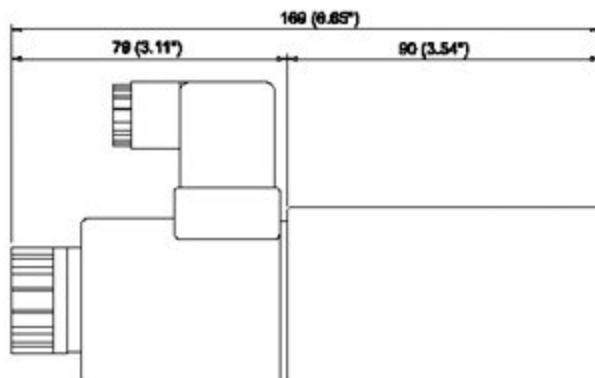
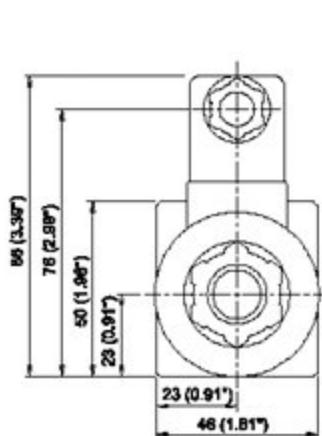
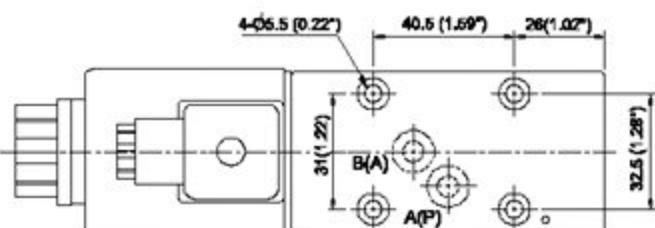
電磁止逆閥

◆ DIMENSIONS 外型尺寸

LVS-02G

● Mounting Interface 安装界面

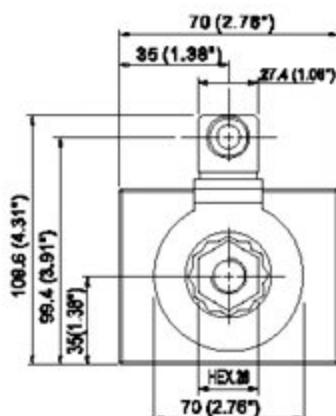
ISO 4401-AB-03-4-A



LVS-03G

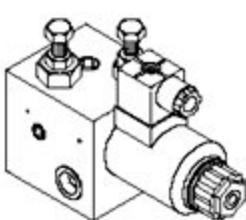
● Mounting Interface 安装界面

ISO 4401-AC-05-4-A

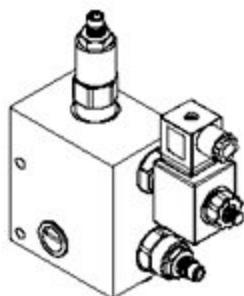


◆ MODEL ■

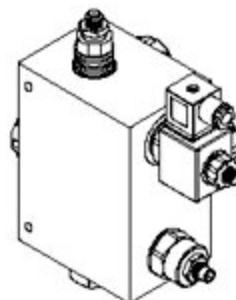
LKT-03



LKT-04



LKT-06


A
LKT

◆ SPECIFICATIONS ■

Model Number 型式編號	Maximum Pressure 最大壓力	Maximum tank line back pressure 最大蓄壓管 Mpa	Maximum tank frequencies of operation 最高空氣頻率	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 (7.82 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 油液類型		ISO VG 32, 46, 68			
Viscosity 粘性 cSt		10~400 (59~1854 SSU)			
Operating Temperature 操作溫度 °C		-15~70 (-5~158 °F)			
Contamination Level 污染指標		ISO4406: 21/19/16 NAS1638, 10			

◆ HOW TO ORDER ■

1	2	3	4	5	6
LKT	03	—	T	—	A1

1 VALVE SERIES 系列名稱

LKT=LIFT Valves
升降閥

2 SUBPLATE MOUNTING SIZE: 管螺口徑

03 = 3/8"(9mm)	04 = 1/2"(12mm)
ISO CETOP5	ISO CETOP7
DIN NG 10	DIN NG 16
NFPA D05	NFPA D07
06 = 3/4"(19mm)	
ISO CETOP8	
DIN NG 25	
NFPA D08	

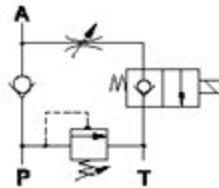
3 CONNECTING TYPE 連接方式

T:TYPE:THREADING TYPE 類型:螺紋

4 TYPE OF COIL 電磁閥電磁線圈

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) ■

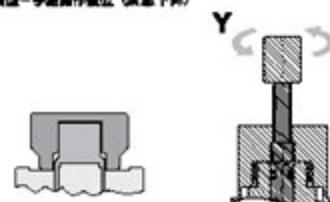


5 WIRING TYPE 接線方式

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

6 ADJUSTMENT OPTION 調整選項

Non:Standard 規範型-標準型

Y:Twist Style Manual Override (Emergency Drop)
Y:扭轉式手動開關 (緊急下降)

LIFT VALVES

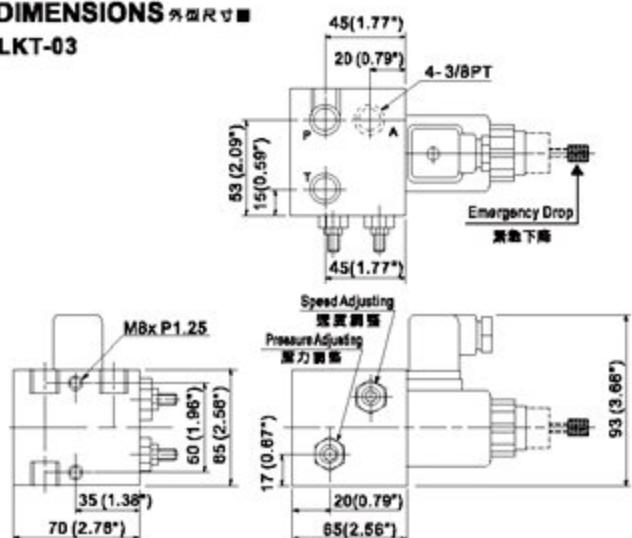
LKT SERIES

升降閥

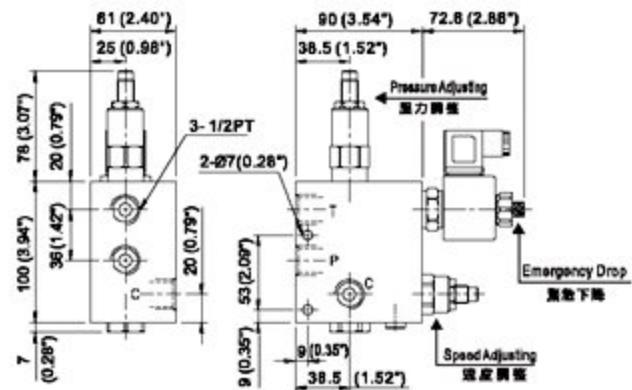
A
LKT

◆ DIMENSIONS 外型尺寸圖

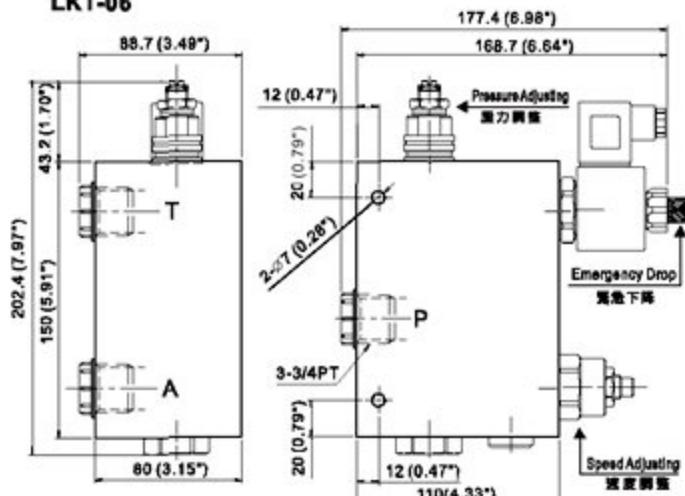
LKT-03



LKT-04

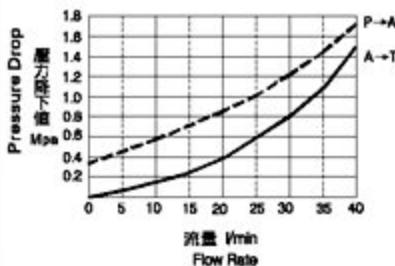


LKT-06

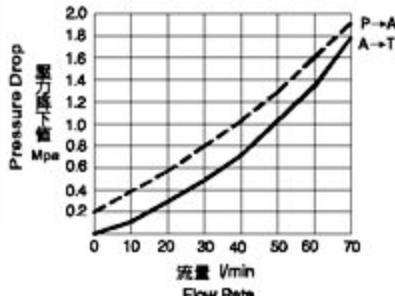


◆ PERFORMANCE (Cartridge Only) 特性曲線

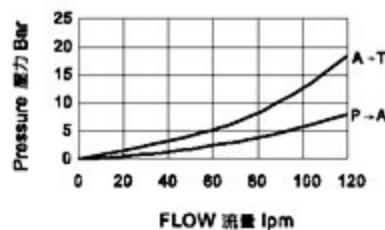
LKT-03



LKT-04



LKT-06



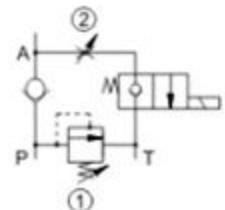
◆ MODEL 型式

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 級別不含泵浦
連結HGP-2A系列泵浦詳見泵浦目錄



◆ CONTROL PORT(S) 動作形式



◆ SPECIFICATIONS 规格

Model Number	Maximum Pressure	Maximum Flow	Weight
KVS-03M	250 (3625 psi)	35 (9.24 gpm)	0.8 (1.76 lbs)
Fluid Type		ISO VG 32, 46, 68	
Viscosity	cSt	10~400 (59~1854 SSU)	
Operating Temperature	°C	-15~70 (-5~158 °F)	
Contamination Level		ISO4406: 21/19/16 NAS1638:10	

- All of with Screws it's Cent meter Size and If required Inch Size
所附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 請註說明

1	2	3	4	5
KVS	—	03M	—	A1

1 VALVE SERIES 系列名稱

KVS = LIFT VALVES
升降閥

2 SUBPLATE MOUNTING SIZE: 橫跨口徑

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

3 TYPE OF COIL 線圈類型

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

4 WIRING TYPE 接線型式

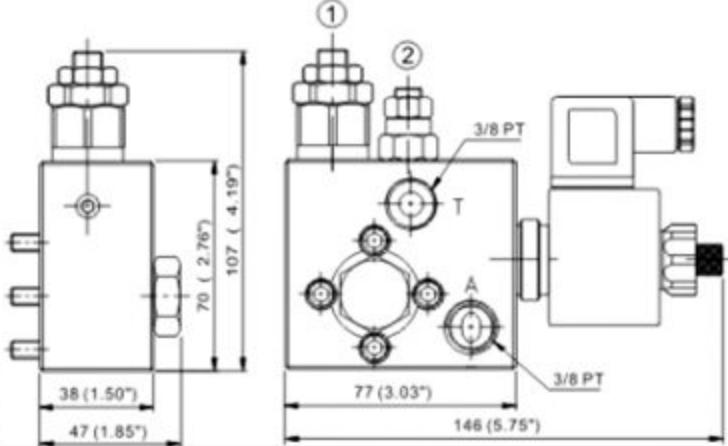
Non: WIRING BOX TYPE(DIN) X: DOUBLE LEAD
無:接線盒式(DIN) 要:雙導線方式



5 ADJUSTMENT OPTION 調整選擇

Non	Non-Standard 無記號-標準型
Y	Y: Twist Style Manual Override 旋轉型- 手動操作選項

◆ DIMENSIONS 外型尺寸圖



◆ SEAL KITS 油封配件

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 特點

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

特點
 • 本體鑄鐵強度高且耐久性，壽命長。
 • 內部硬鋼零件提高高品質。

◆ SPECIFICATIONS 規格

Model Number 型式號碼	Maximum Pressure 最大壓力 bar	Maximum tank line back pressure 最大容積背壓 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					5.4 (11.9 lbs)
WE-*B*-03G-**-20	315 (4500 psi)	160 (2320 psi)	240 CPM	120 (31.70 gpm)	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 鋅磷酸化合物	

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

所有螺絲皆為公制規格，若需英制規格請另外註明說明。

◆ HOW TO ORDER 訂購說明

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 仔細見下頁
page listed

3 SUBPLATE MOUNTING SIZE: 開口尺寸

03 = 3/8"(9mm)

ISO CETOP5

DIN NG 10

NFPA D05

4 CONNECTING TYPE 連接型式

G:TYPE:BASEPLATE MOUNTING TYPE

G : (板式型式)

5 TYPE OF COIL 電磁鐵電源線圈類型

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 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, 鐵蓋外殼 / IP65)

42D:DT04-2P-V TYPE (APPLICATION FOR DC COIL, IRON COVER / IP65)

DT04-2P-V型 (只適用DC線圈, 鐵蓋外殼 / 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.

以上說明詳見資料參閱說明書或與本公司聯繫

SOLENOID OPERATED DIRECTIONAL VALVES

電磁換向閥

WE SERIES

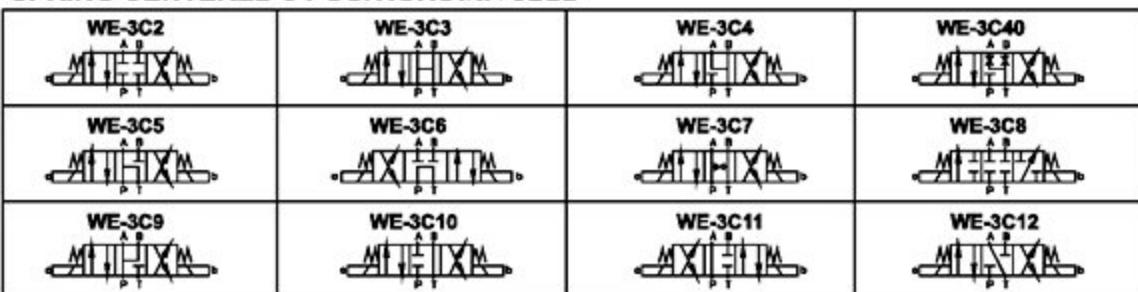
◆SOLENOID RATINGS: 電磁定率

ELECTRIC SOURCE 電源	COIL TYPE 電磁鐵型	VOLTAGE(V) 電壓			CURRENT & POWER AT RATED VOLTAGE 最大電壓的電流和電源功率	
		SOURCE RATED 最大值	HZ 頻率	RANGE 範圍	IN-RUSH CURRENT(A) 啓動電流	HOLDING CURRENT(A) 保持電流
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	99~126	0.47	0.47
			60			
DC	R2	AC220	50	198~253	0.24	0.24
			60			
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%.
以上數據基於溫度30°C，電壓容許度15%。

◆SPOOL TYPES 滑柱型式

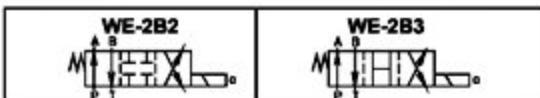
SPRING CENTERED 3 POSITIONS 電液中心三位閥



NO SPRING 2 POSITIONS 無彈簧二位閥



SPRING 2 POSITIONS 有彈簧二位閥



A
WE

SOLENOID OPERATED DIRECTIONAL VALVES

WE SERIES

電磁換向閥

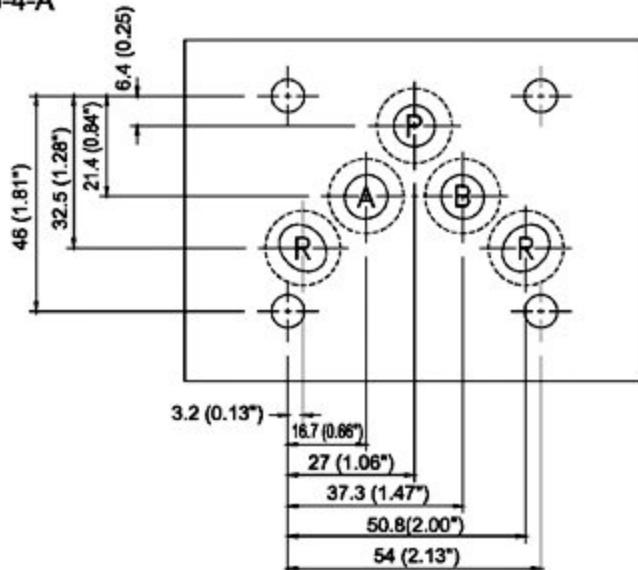
A
WE

2 POSITIONS 二位閥

TYPE 類型	GRAPHIC SYMBOLS 圖形符號		TYPE 類型	GRAPHIC SYMBOLS 圖形符號		TYPE 類型
	STANDARD ASSEMBLAGE 標準配圖	REVERSE ASSEMBLAGE 反向配圖		STANDARD ASSEMBLAGE 標準配圖	REVERSE ASSEMBLAGE 反向配圖	
2B2A			2B2AL			2B2BL
2B3A			2B3AL			2B3BL
2B4A			2B4AL			2B4BL
2B40A			2B40AL			2B40BL
2B5A			2B5AL			2B5BL
2B6A			2B6AL			2B6BL
2B7A			2B7AL			2B7BL
2B8A			2B8AL			2B8BL
2B9A			2B9AL			2B9BL
2B10A			2B10AL			2B10BL
2B11A			2B11AL			2B11BL
2B12A			2B12AL			2B12BL

◆ Mounting Interface 基座尺寸圖

ISO 4401-AC-05-4-A



SOLENOID OPERATED DIRECTIONAL VALVES

電磁換向閥

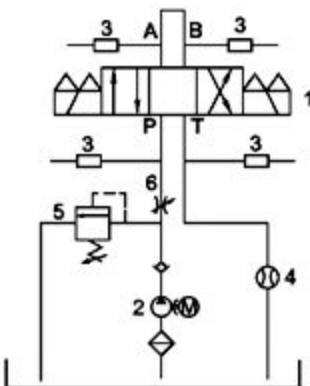
WE SERIES

◆ PRESSURE DROP VS FLOW

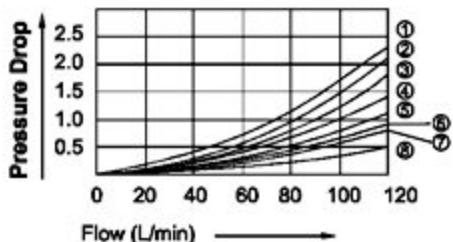
Test Conditions

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				
	P1→A	B→T	P1→B	A→T	P1→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').

A
WE

SOLENOID OPERATED DIRECTIONAL VALVES

WE SERIES

電磁換向閥

A
WE

◆ PERFORMANCE

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

Spool Type Normal Position	P→ A, B→ T						P→ A	
	P→ B, A→ T		A → B		P → T			
	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)	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)	84(22.2) 75(19.8)	—	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)	44(11.6) 76(20.1)	30(7.9) 28(7.4)	19(5.0) 21(5.5)	—	100(26.4) 100(26.4)
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.

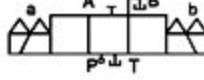
SOLENOID OPERATED DIRECTIONAL VALVES

電磁換向閥

WE SERIES

A
WE

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

										
15.0Mpa (2200)	21.0Mpa (3000)	25.0Mpa (3675)	31.5Mpa (4500)	5.0Mpa (735)	10..0Mpa (1470)	15..0Mpa (2200)	21..0Mpa (30000)	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)	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)	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)	
					40(10.6)	37(9.8)	34(9.0)	29(7.7)	25(6.6)	
63(16.6)	63(16.6)	63(16.6)	63(16.6)	100(26.4)	78(20.6)	45(11.9)	43(11.4)	38(10.0)	32(8.5)	
					74(19.6)	38(10.0)	36(9.5)	31(8.2)	27(7.1)	
100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	100(26.4)	95(25.1)	82(21.7)	75(19.8)	65(17.2)	
					89(23.5)	84(22.2)	77(20.3)	70(18.5)	62(16.4)	
19(5.0)	12(3.2)	9(2.4)	7(1.8)	100(26.4)	80(21.1)	32(8.5)	25(6.6)	20(5.3)	14(3.7)	
					42(11.1)	28(7.4)	22(5.8)	17(4.5)	12(3.2)	
40(10.6)	40(10.6)	30(7.9)	28(7.4)	60(15.9)	40(10.6)	40(10.6)	40(10.6)	30(7.9)	28(7.4)	
60(15.9)	60(15.9)	42(11.1)	36(9.5)	70(18.5)	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	P1→A, B→T P1→B, A→T						P1→A	
	a	A	□	B	b	P ¹ A T		
	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)	120(31.7)	120(31.7)	120(31.7)	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)

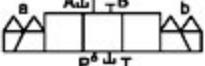
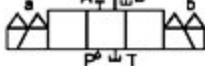
SOLENOID OPERATED DIRECTIONAL VALVES

電磁換向閥

WE SERIES

A
WE

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

										
				P1 → B						
15.0Mpa (2200)	21.0Mpa (3000)	25.0Mpa (3675)	31.5Mpa (4500)	5.0Mpa (735)	10.0Mpa (1470)	15.0Mpa (2200)	21.0Mpa (30000)	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)	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)	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)	100(26.4)	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)	66(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)		89(23.5)	84(22.2)	77(20.3)	70(18.5)	62(16.4)	
40(10.6)	40(10.6)	30(7.9)	28(7.4)	60(15.9)	120(31.7)	95(25.1)	74(19.6)	61(16.1)	43(11.4)	
60(15.9)	60(15.9)	42(11.1)	36(9.5)		95(25.1)	84(22.2)	63(16.6)	50(13.2)	34(9.0)	

SOLENOID OPERATED DIRECTIONAL VALVES

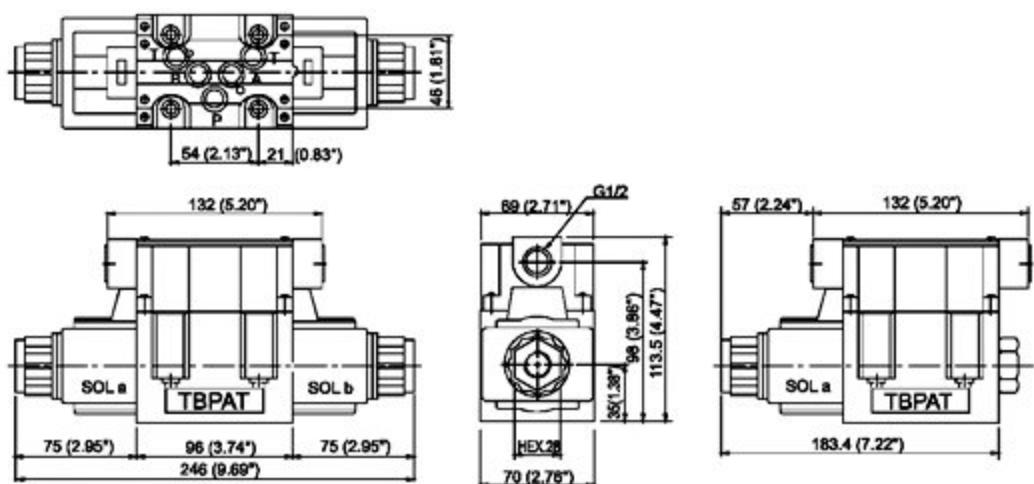
WE SERIES

電磁換向閥

◆ DIMENSIONS 外型尺寸圖

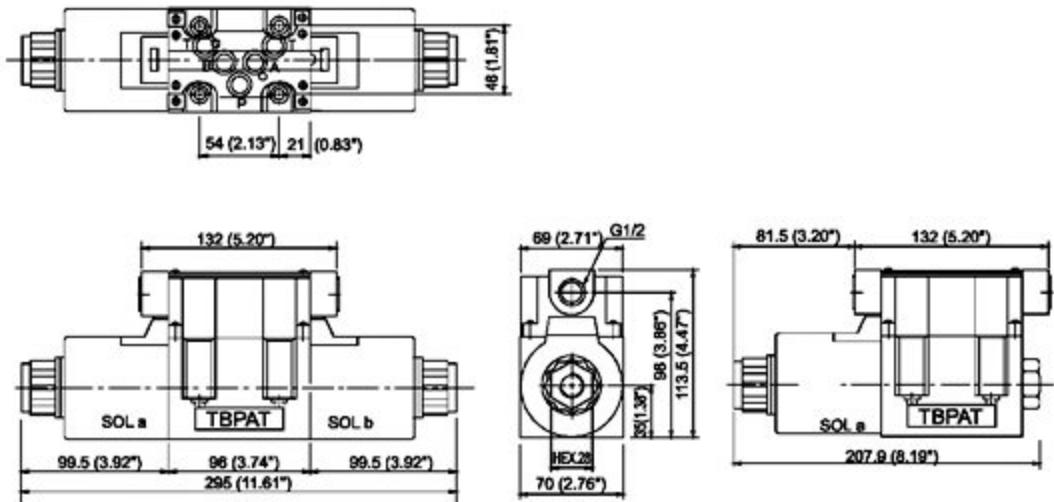
WE-03G-AC-20

◆ 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

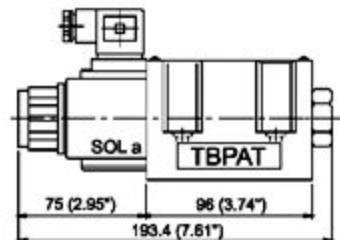
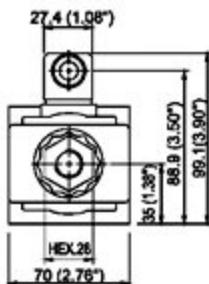
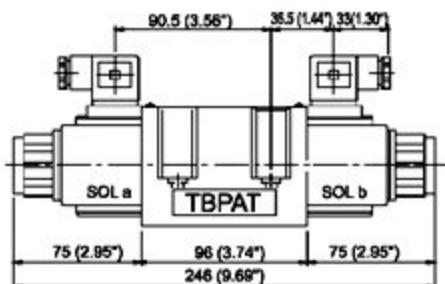
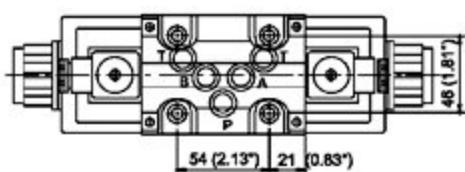
電磁換向閥

WE SERIES

WE-03G-AC-30

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

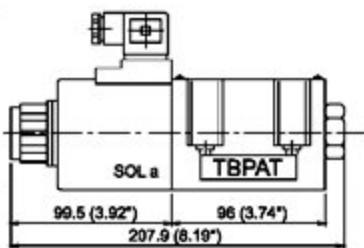
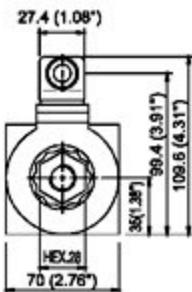
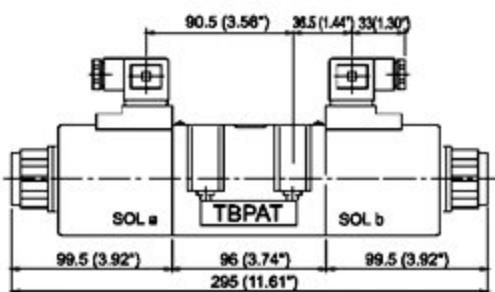
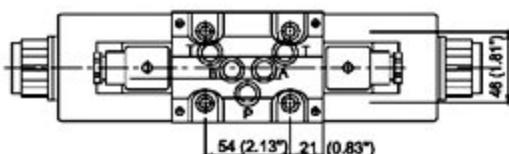
Unit : mm



WE-03G-DC/RF-30

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

Unit : mm



A
WE

SOLENOID OPERATED CHECK MODULAR VALVES

MLVS SERIES

橫層型電磁止逆閥

◆ MODEL 款式



◆ FEATURES

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

• 特點

- 鋼本體耐強度許且耐久性，壽命長。
- 內部硬鋼零件提高產品壽命。

◆ SPECIFICATIONS 规格

Model Number 型式號碼	Maximum Pressure bar 最大壓力	Maximum Flow lpm 最大流量 lpm	Weight Kg 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 鋅 電鍍鹽 化合物	

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

所有螺絲皆為公制規格，若需英制規格請另外註明說明。

◆ HOW TO ORDER 訂購說明

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: 純母口徑

02 = 1/4"(6mm)

ISO CETOP3

DIN NG 6

NFPA D03

3 CONTROL PORT(S) 電控形式

A=A Port Only



B=B Port Only



W=A & B Port



4 TYPE OF COIL 電磁線圈類型

A1: 115VAC D1: 12 VDC

A2: 230VAC D2: 24 VDC

5 DESIGN NO 設計編號

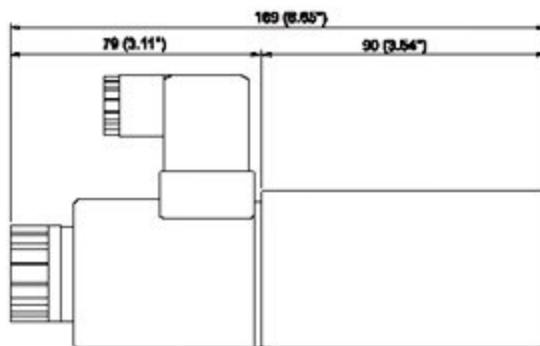
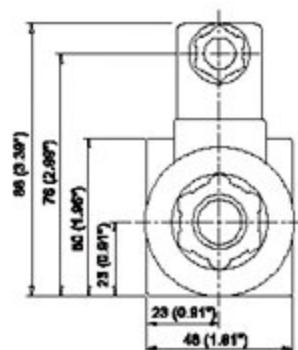
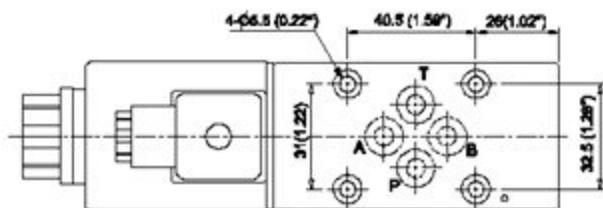
SOLENOID OPERATED CHECK MODULAR VALVES

積層型電磁止逆閥

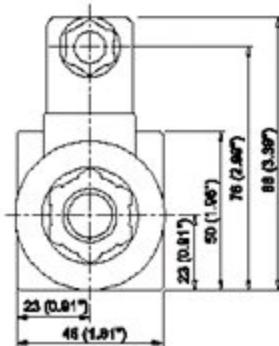
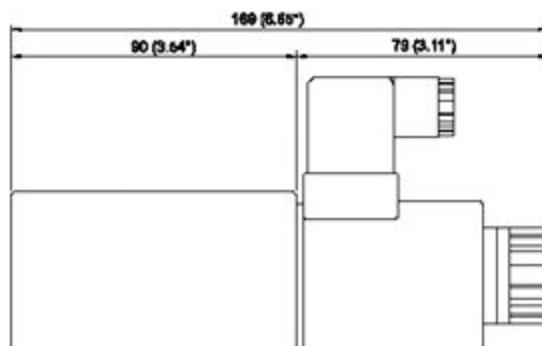
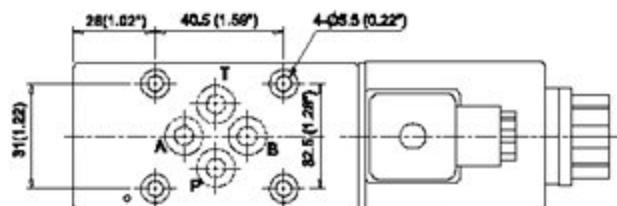
MLVS SERIES

◆ DIMENSIONS 外型尺寸

MLVS-02A



MLVS-02B



D
MLVS

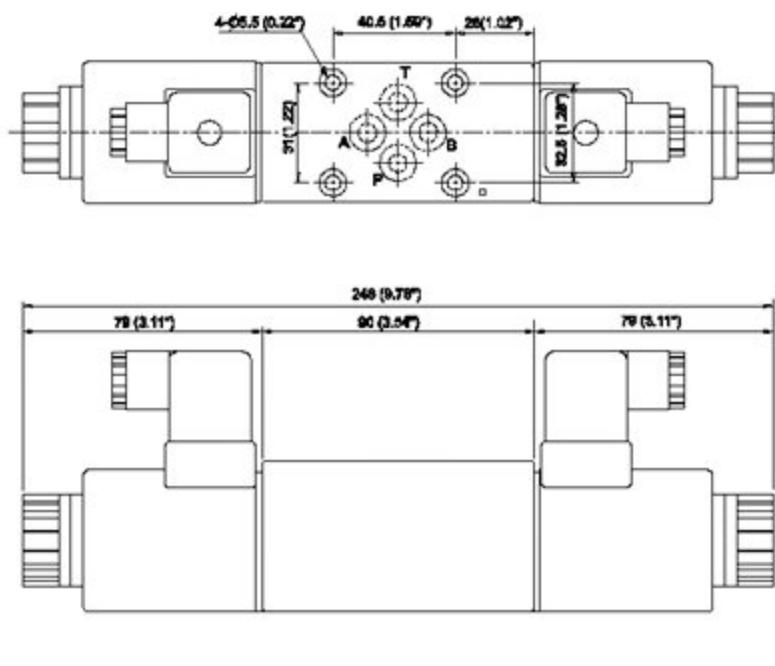
SOLENOID OPERATED CHECK MODULAR VALVES

MLVS SERIES

積層式電磁止逆閥

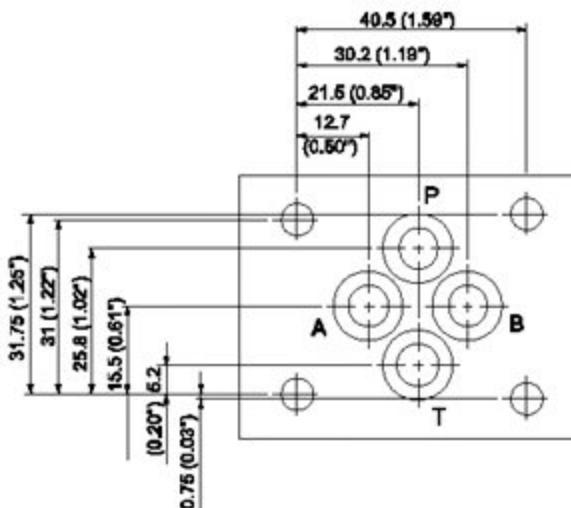
◆ DIMENSIONS 外型尺寸圖

MLVS-02-W



◆ Mounting Interface 安裝尺寸圖

ISO 4401-AB-03-4-A



SOLENOID OPERATED TWO-WAY CHECK VALVES

電磁雙向止逆閥

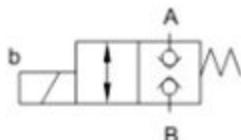
LVS SERIES

◆ MODEL 型式

LVS-03T



◆ CONTROL PORT(S) 動作形式



◆ SPECIFICATIONS 技術規格

Model Number	Maximum Pressure	Maximum Flow	Weight
LVS-03T	210 (3046psi)	35 (8.81 gpm)	1.5 (3.3 lbs)
Fluid Type	ISO VG 32, 46, 68		
Viscosity	10~400 (59~1854 SSU)		
Operating Temperature	-15~70 (-5~158°F)		
Contamination Level	ISO4406, 21/19/16 NAS1638,10		
Surface Treatment	Zinc Phosphate Compound 鋅 磷酸鹽 化合物		

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

所有螺絲皆為公制規格。若需英制規格請另外備註說明。

◆ HOW TO ORDER 訂購說明

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: 構件尺寸

03= 3/8"(9mm)

ISO CETOP5

DIN NG 10

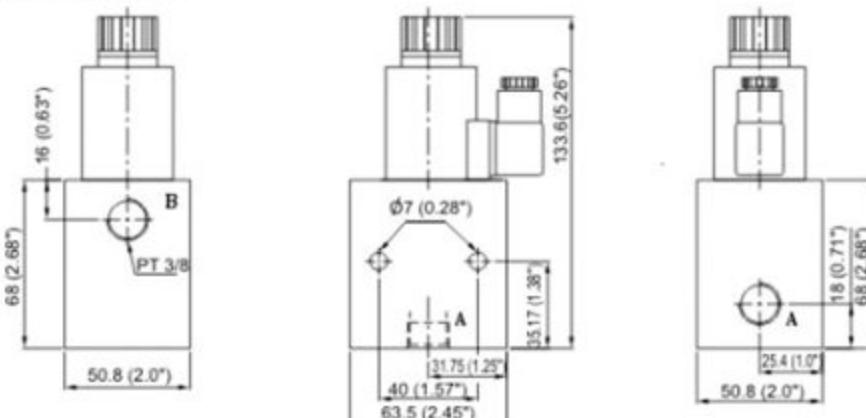
NFPA D05

4 TYPE OF COIL 電磁開關線圈類型

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 CHECK VALVES

LVSP-02G

電磁止逆閥

◆ MODEL 型式

LVSP-02G



◆ SPECIFICATIONS 技術規格

Model Number	Maximum Pressure	Maximum Flow	Weight
LVSP-02G	250 (3625psi)	35 (8.81 gpm)	1.3 (2.87 lbs)
Fluid Type	ISO VG 32, 46, 68		
Viscosity	10~400 (59~1854 SSU)		
Operating Temperature	-15~70 (-5~158°F)		
Contamination Level	ISO4406, 21/19/16 NAS1638,10		
Surface Treatment	Zinc Phosphate Compound 鋅 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，若需英制螺絲請另外備註說明。

◆ HOW TO ORDER 訂購說明

1	2	3	4	5
LVSP	—	02	G	— ** — 20

1 VALVE SERIES 系列名稱

LVSP = SOLENOID OPERATED TWO-WAY CHECK VALVES

2 SUBPLATE MOUNTING SIZE: 穩心口徑

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

3 CONNECTING TYPE 連接形式

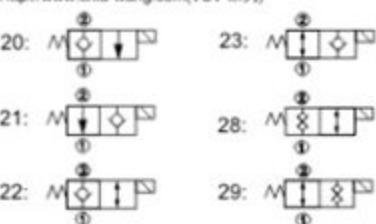
G: TYPE:BASEPLATE MOUNTING TYPE
G: (板式連接)

4 TYPE OF COIL 電磁鐵電磁線圈類型

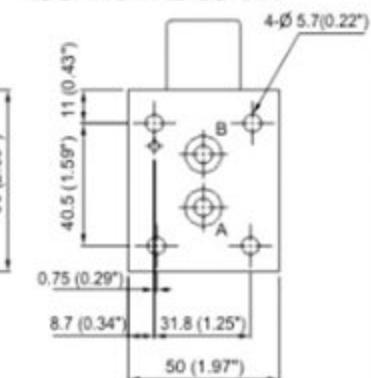
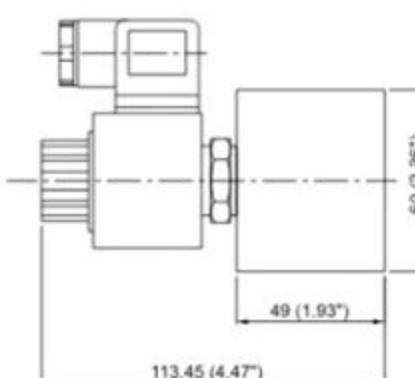
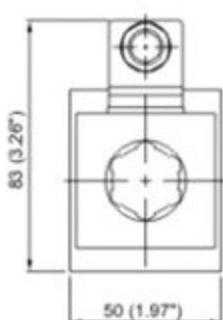
A1 : AC110 60HZ D1 : DC12
A115 : AC115 50HZ D2 : DC24
A230 : AC230 50HZ R1 : RF110 60HZ/50HZ
A2 : AC220 60HZ R2 : RF220 60HZ/50HZ

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>
其它控制方式請參考佳王捲式閥心資料。
<http://www.chia-wang.com/VSV 系列>



◆ DIMENSIONS 外型尺寸圖



● Mounting Interface 安裝板面

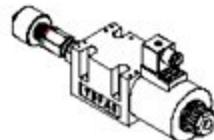
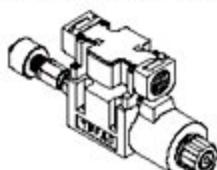
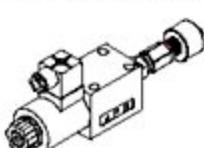
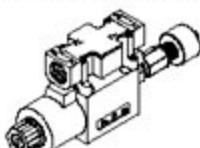
ISO 4401-AB-03-4-A

SOLENOID OPERATED DIRECTIONAL VALVES

WE - - QIV SERIES (Position Switch Included) 电液换向阀 (附位置开关器)

◆ MODEL ■ ■ ■

WE-2B2-020-20-QIV WE-2B2-020-30-QIV WE-2B2-030-20-QIV WE-2B2-030-30-QIV



◆ SPECIFICATIONS ■ ■ ■

Model Number	Maximum Pressure	Connecting PT	Maximum Flow	Weight
WE-2B2-02G-20-QIV	315 (4500 psi)	1/4"	100 (26.4 gpm)	1.7 (3.75 lbs)
WE-2B2-02G-30-QIV		3/8"	120 (31.7 gpm)	4.8 (10.58 lbs)
WE-2B2-03G-20-QIV				
WE-2B2-03G-30-QIV				
Fluid Type			ISO VG 32, 46, 68	
Viscosity	cSt		10-400 (59-1854 SSU)	
Operating Temperature	°C		-15~70 (-5~158 F)	
Contamination Level			ISO4406: 21/19/16 NAS1838, 10	
Surface Treatment			Zinc Phosphate Compound 钙磷钝化剂	

- All screws with metric measure, if require inch measure, please contact us.
- WE-02G series application for COD02.COS02 Coil. WE-02G系列用 COD02.COS02 线圈。
- WE-03G series application for COD03.COS03 Coil. WE-03G系列用 COD03.COS03 线圈。

◆ HOW TO ORDER ■ ■ ■

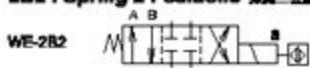
1	2	3	4	5	6	7
WE	—	2B2	—	02	—	G

1 VALVE SERIES 系列名稱

WE = Solenoid Operated Directional Valves 电液换向阀
(Position Switch Included) 附位置开关器

2 SPOOL TYPES 针阀型式

2B2 : Spring 2 Positions 针阀二位式



- 2 Positions spool type of WE series please refer P2.P3.
- WE 系列之针阀型式请参阅 P2.P3.

3 SUBPLATE MOUNTING SIZE: 基座尺寸

02: 1/4" (6mm)
ISO CETOP3
DIN NG 8
NFPA D08

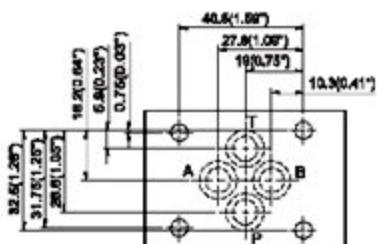
03: 3/8" (9mm)
ISO CETOP5
DIN NG 10
NFPA D06

4 CONNECTING TYPE 接线型式

G: TYPE: BASEPLATE MOUNTING TYPE 基座型式

◆ Mounting Interface ■ ■ ■

ISO 4401-AB-03-4-A



5 TYPE OF COIL 电液换向器线圈类型

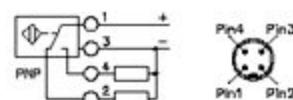
A1 : AC110 60HZ D1 : DC12
A15 : AC115 50HZ D2 : DC24
A230 : AC230 50HZ R1 : RF110 60HZ/60HZ
A2 : AC220 60HZ R2 : RF220 60HZ/50HZ

6 WIRING TYPE 接线型式

20: WIRING BOX TYPE 基座盒式
30: DIN TYPE DIN型

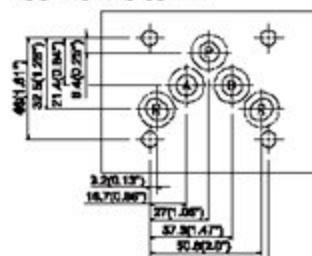
7 DESIGN NO. 设计代号

GIV : Position Switch Included
附位置开关器



◆ Mounting Interface ■ ■ ■

ISO 4401-AC-05-4-A

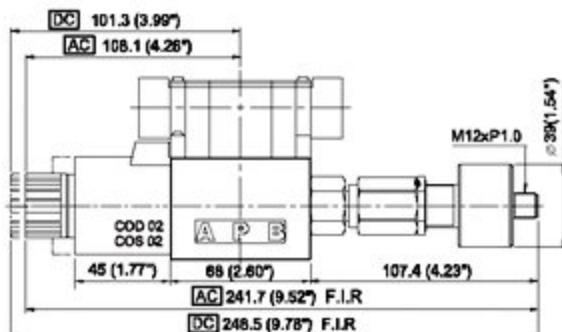
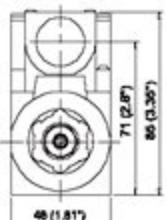


SOLENOID OPERATED DIRECTIONAL VALVES

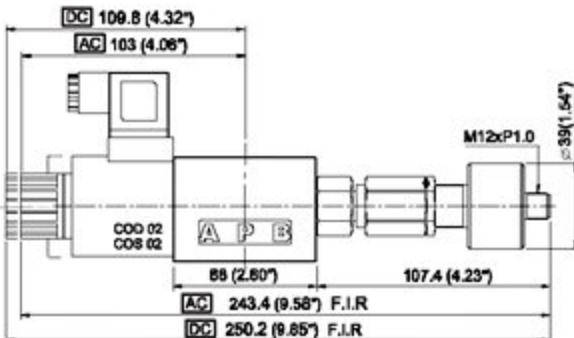
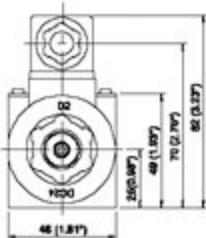
電磁換向閥 (附位置感應器)

WE - - GIV SERIES (Position Switch Included)

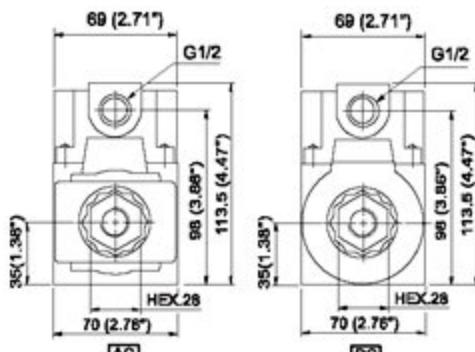
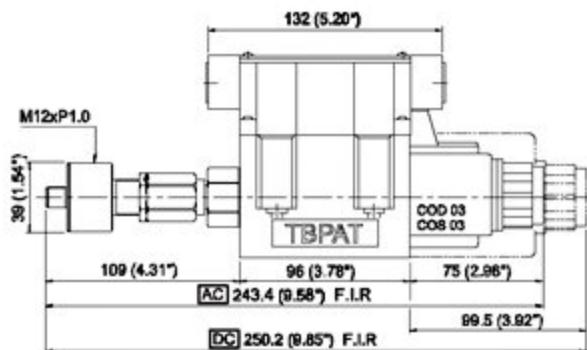
◆ DIMENSIONS 外型尺寸 ■ WE-2B2-02G-20-GIV



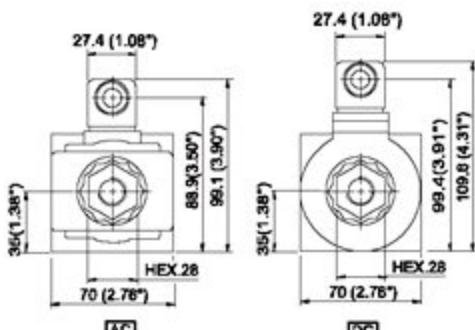
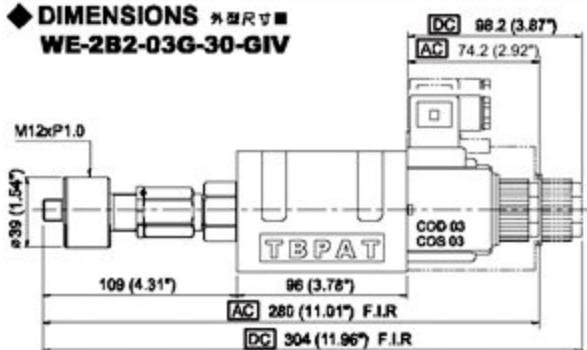
◆ DIMENSIONS 外型尺寸 ■ WE-2B2-02G-30-GIV



◆ DIMENSIONS 外型尺寸 ■ WE-2B2-03G-20-GIV

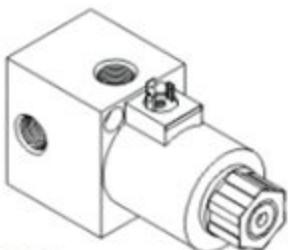


◆ DIMENSIONS 外型尺寸 ■ WE-2B2-03G-30-GIV

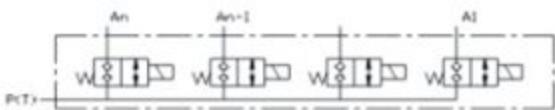


◆ MODEL 型式

LVS-03T-1N



◆ CONTROL PORT(S) 動作形式



◆ SPECIFICATIONS 極格

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-1N	210 (3046psi)	35 (9.25 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 鋅酸鹽化合物		

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

所有螺絲皆為公制標準規格，若需英制規格請另備註說明。

◆ HOW TO ORDER 請號說明

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

3 CONNECTING TYPE 連接型式

T: TYPE: THREADING TYPE (螺紋連接)

2 SUBPLATE MOUNTING SIZE 組裝口徑

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

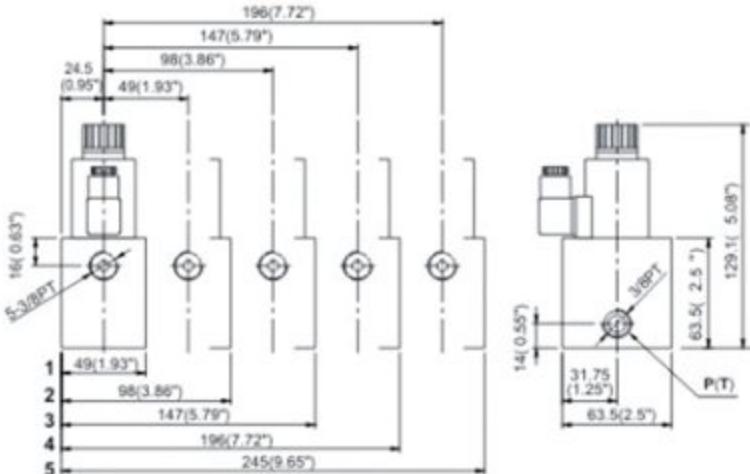
4 NUMBER OF VALVE BLOCKS 連接

1N~5N=1~5 BLOCKS

5 TYPE OF COIL 電磁開電磁線圈類型

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

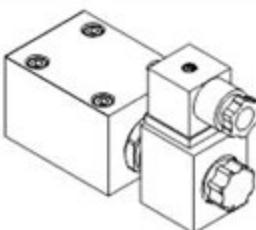
LVSE SERIES SOLENOID OPERATED CHECK VALVES

插入式電磁閥

LVSE 系列電磁止逆閥

◆ MODEL 型式

LVSE-02G



◆ SPECIFICATIONS 规 格

Model Number	Maximum Pressure	Maximum Flow	Weight
LVSE-02G	350 (5076 psi)	40 (10.57 gpm)	1.4 (3.09 lbs)
Fluid Type		ISO VG 32, 46, 68	
Viscosity	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 of with Screws it's Cent meter Size and If required Inch Size

所附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 請 訂 購

1	2	3	4	5
LVSE	— 02	G	— * —	20

1 VALVE SERIES 系列名稱

LVSE = SOLENOID OPERATED CHECK VALVES
電磁止逆閥

2 SUBPLATE MOUNTING SIZE: 碼盤口徑

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

3 CONNECTING TYPE 連接型式

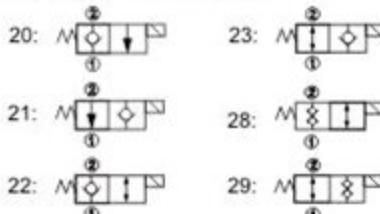
G: TYPE:BASEPLATE MOUNTING TYPE
G: (板式連接)

4 TYPE OF COIL 電磁鐵電圈規格類型

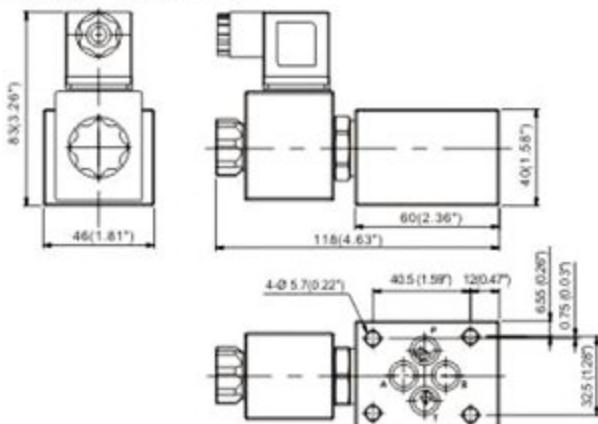
A1 : AC110 60HZ D1 : DC12
A115 : AC115 50HZ D2 : DC24
A230 : AC230 50HZ R1 : RF110 60HZ/50HZ
A2 : AC220 60HZ R2 : RF220 60HZ/50HZ

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>
其它控制方式請參考佳王捲式閥心資料。
<http://www.chia-wang.com/VSV 系列>



◆ DIMENSIONS 外型尺寸圖



● Mounting Interface 安裝板面

ISO 4401-AB-03-4-A

SOLENOID OPERATED CARTRIDGE VALVES

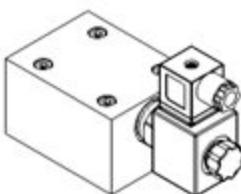
LVSE SERIES SOLENOID OPERATED CHECK VALVES

插入式電磁閥

LVSE 系列電磁止逆閥

◆ MODEL 型式

LVSE-03G



◆ SPECIFICATIONS 规格

Model Number	Model Number	Maximum Pressure	Maximum Flow	Weight
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	粘性 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.

所附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: 框母口徑

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

3 CONNECTING TYPE 連接型式

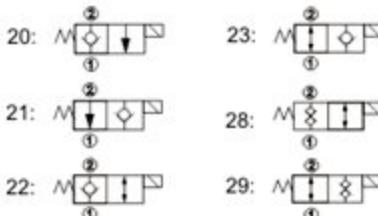
G: TYPE:BASEPLATE MOUNTING TYPE
G: (板式連接)

4 TYPE OF COIL 電磁鐵電磁線圈類型

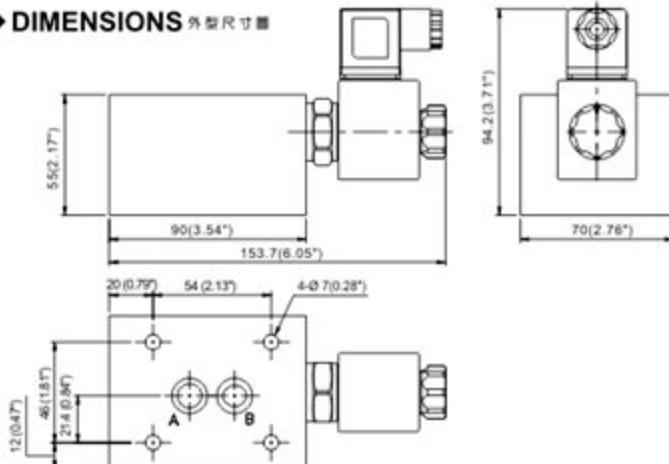
A1 : RAC110 60HZ/50HZ
A2 : RAC220 60HZ/50HZ
D1 : DC12
D2 : DC24

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 安裝板面

ISO 4401-AC-05-4-A

DIRECTIONAL VALVES 方向閥

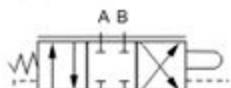
SF1 MECHANICAL SERVO VALVES 機械式伺服閥

◆ MODEL 型式

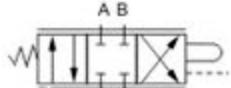
SF1-03G



◆ CONTROL PORT(S) 動作形式

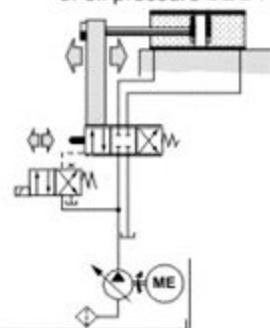


Externally Piloted, Externally Release.
外部引導,外部排液



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

◆ 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 油體型式	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: 極板尺寸

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 預導壓方式

E:OUTER 引導壓方式 E:外部

5 RELEASE WAY 排液方式

NONE:INNER T:OUTER
無:內部 T:外部

◆ DIMENSIONS 外型尺寸圖

