

Solenoid Control Pilot Operated Directional Valve



規格說明

SPECIFICATION

型式 MODEL	最大流量 MAX. FLOW L/min	最高 作動壓力 MAX. OPERATED kgf/cm ²	最高 引導壓 MAX. PILOT kgf/cm ²	最低 引導壓 MIN. PILOT kgf/cm ²	回油孔容許最高背壓 MAX. T-LINE BACK PRES. (kgf/cm ²)		最高換向頻率 MAX. CHANGE OVER FREQUENCY (Cycles/min)		
					外部洩油 EXT. DRAIN	內部洩油 INT. DRAIN	AC	DC	R
DHG-03	150	315	250	8	210	140	120	120	120
DHG-04	300			8	210	140	120	120	120
DHG-06	500			8	210	140	120	120	120
DHG-10	1100			8	210	140	120	120	120

型式 MODEL	重量 (不含電磁閥) WEIGHT(NO CONTAIN ELECTRO MAGNETIC VALVE) (kg)					
		AK	ABK	50	AK-50	ABK-50
DHG-03	5.4					
DHG-04	6.4	6.9	7.4	7.6	8.1	8.6
DHG-06	11.7	12.7	13.2			
DHG-10	52.5					

附屬品

ATTACHMENT

型式 MODEL	安裝螺絲 SOC HOL CAP SCREW	安裝扭矩 MOUNTING TORQUE N·m
DHG-03	M6 x 35L.....4pcs	12~15
DHG-04	M6 x 40L.....2pcs M10 x 45L...4pcs	12~15 60~74
DHG-06	M12 x 45L...6pcs	104~127
DHG-10	M20 x 75L...6pcs	493~603

4WE-06電磁閥重量 SOLENOID WEIGHT (kg)		
	AC	DC
帶1個電磁鐵 Single coil	1.6	1.7
帶2個電磁鐵 Two coils	2.1	2.1



型號說明

HOW TO ORDER

DH G-06-3C2-ET-50-W220/50-20-40-AB-K

旋轉型式 KNOB TYPE

無代號：無調整把手

NO CODE : FOR WITHOUT KNOB

K : 附調整把手 WITHOUT KNOB

把手方向 DIRECTION OF KNOB

無代號：標準型

NO CODE : STANDARD TYPE

AB : AB側加可調整把手
WITH STROKE ADJUSTMENT
BOTH ENDSA : A側加可調整把手
WITH STROKE ADJUSTMENT
PORT "A" ENDB : B側加可調整把手
WITH STROKE ADJUSTMENT
PORT "B" END

電磁閥型式 SOLENOID TYPE

接線方式 WIRING

10 : 帶燈的集中連接盒

WITH LAMP CENTRAL CONNECTION

20 : 插入式接頭帶密封套

PLUG-IN CONNECTION

線圈電壓 COIL VOLTAGE

G12 : 12V DC

G24 : 24V DC

W110 : 110/50/60Hz

W220 : 220/50/60Hz

設計編號 DESIGN NUMBER

50 : 閥規格04唯一型式 ONLY FOR 04 TYPE

控油方式 PILOT AND DRAIN TYPE

無代號：內部引導內部洩油

NO CODE : INTERNAL PILOT & DRAIN

ET : 外部引導外部洩油
EXTERNAL PILOT & DRAINE : 外部引導內部洩油
EXTERNAL PILOT INTERNAL DRAINT : 內部引導外部洩油
INTERNAL PILOT EXTERNAL DRAIN

主軸型式 · 見 C12-03 頁

SPOOL TYPE (AS C12-03)

閥規格 VALVE SIZE

03 : 3/8"

04 : 1/2"

06 : 3/4"

10 : 1-1/4"

安裝型式 MOUNTING

G : 板式安裝 SUB-PLATE MOUNTING

系列編號 SERIES NUMBER

主軸型式 SPOOL TYPE

類別 APPLICATION	型式 TYPE	GRAPHIC SYMBOLS
三位置 彈簧中立 THREE POSITION SPRING CENTERED	C2	
	C3	
	C4	
	C40	
	C5	
	C6	
	C60	
	C7	
	C8	
二位置 彈簧復位 TWO POSITION SPRING OFFSET (SOLENOID b)	C9	
	C2B	
	C3B	
	C4B	
	C40B	
	C5B	
	C6B	
	C60B	
	C7B	
	C8B	
	C9B	
	C5SB	
	C8SB	
	C9SB	

類別 APPLICATION	型式 TYPE	GRAPHIC SYMBOLS
二位置無彈簧復位 TWO POSITION WITHOUT SPRING WITHOUT CENTERING	N2	
	N3	
二位置鋼珠定位 TWO POSITION DETENT	D2	
	D3	
二位置 彈簧復位 TWO POSITION SPRING OFFSET (SOLENOID b)	B2	
	B3	
	B20	
	B2S	
	B3S	
	B20S	
二位置 彈簧復位 TWO POSITION SPRING OFFSET (SOLENOID a)	C2BS	
	C3BS	
	C4BS	
	C40BS	
	C5BS	
	C6BS	
	C60BS	
	C7BS	
	C8BS	
三位置 彈簧中立 THREE POSITION SPRING CENTERED	C9BS	
	C5S	
	C8S	
	C9S	
	CR	
	CS	

PORT INTERCONNECTION

- 和電磁閥 "a" 通電 P→A B→T With solenoid "a" energized P→A B→T
- 和電磁閥 "b" 通電 P→B A→T With solenoid "b" energized P→B A→T



換向時間 (典型例)

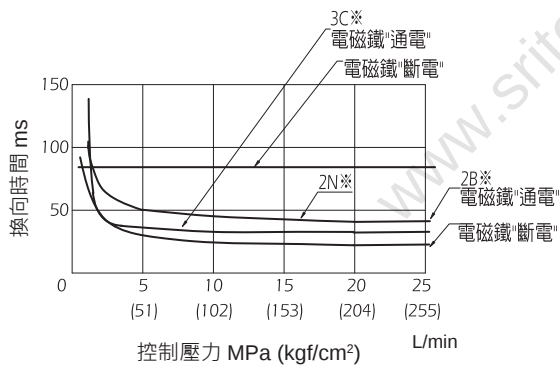
換向時間依油液黏度、閥芯機能 and 液壓迴路而異。

測試條件 線圈標記：DC

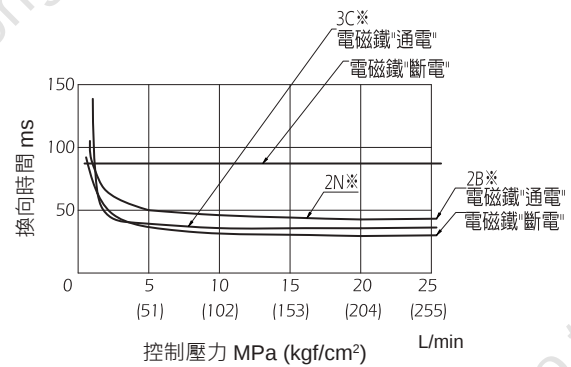
電 壓：額定電壓

油液黏度：35 cSt (160SSU)

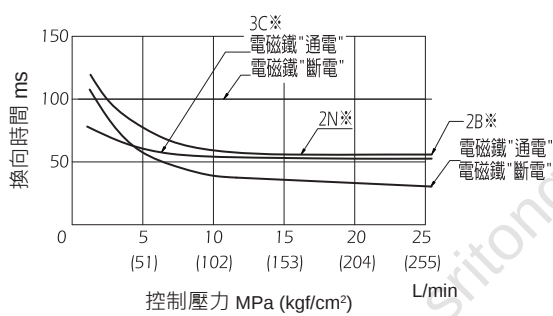
● DHG-03



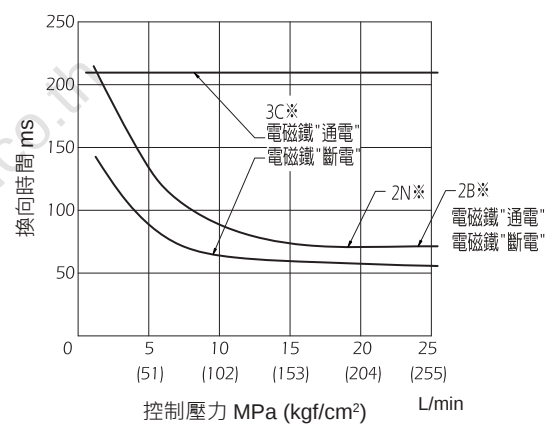
● DHG-04



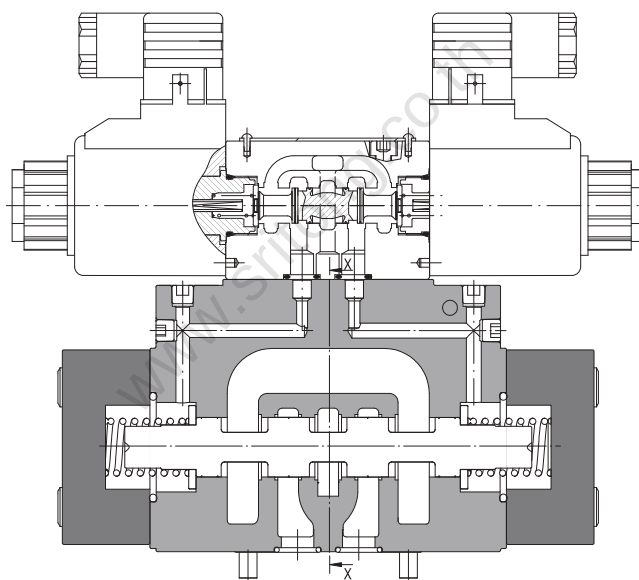
● DHG-06



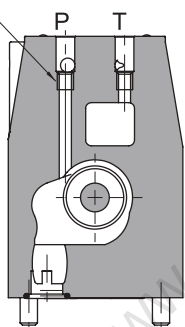
● DHG-10



● DHG-03

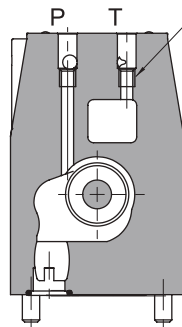


沒有螺塞是內部引導
Without Plug When valve
Is Internally Piloted.



X-X 剖面

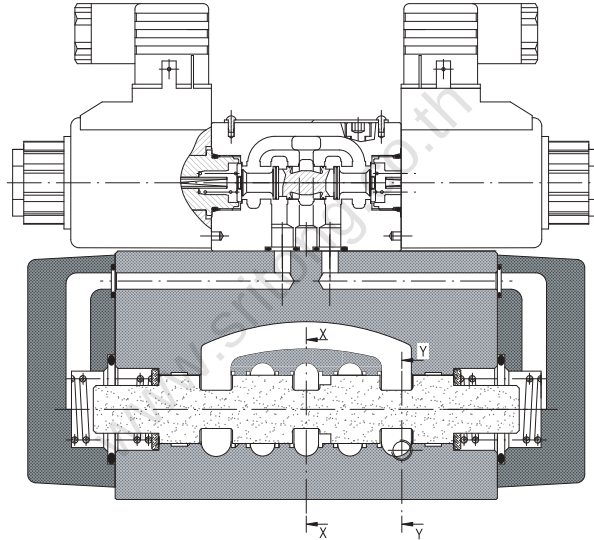
沒有螺塞是內部洩油
Without Plug When valve
Is Internally Drained.



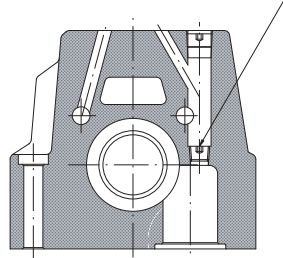
X-X 剖面



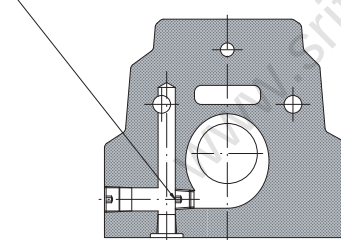
● DHG-04



沒有螺塞是內部引導
Without Plug When valve
Is Internally Piloted.

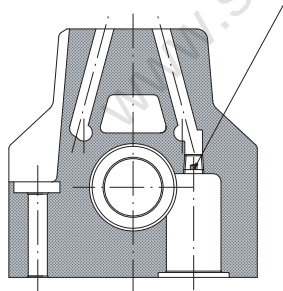


沒有螺塞是內部洩油
Without Plug When valve
Is Internally Drained.

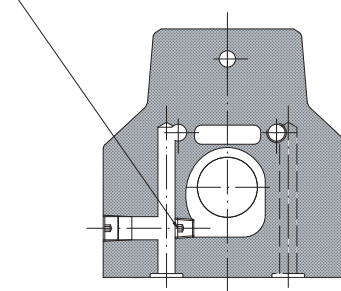


● DHG-04-50

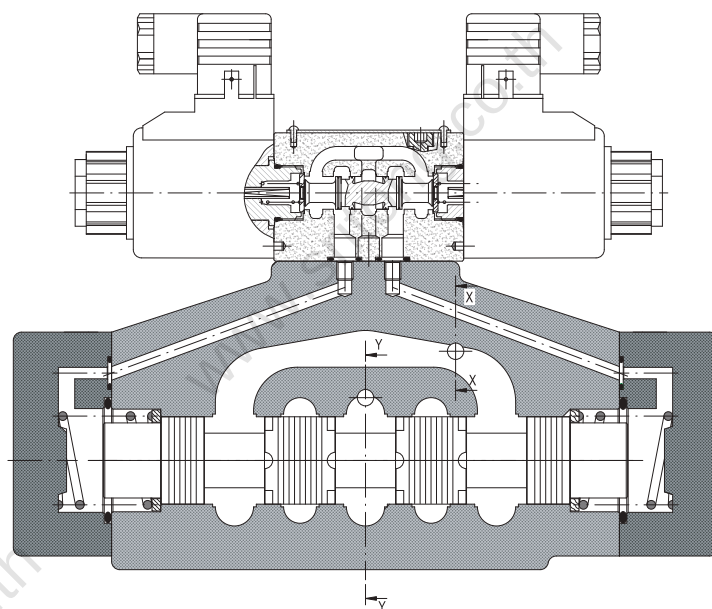
沒有螺塞是內部引導
Without Plug When valve
Is Internally Piloted.



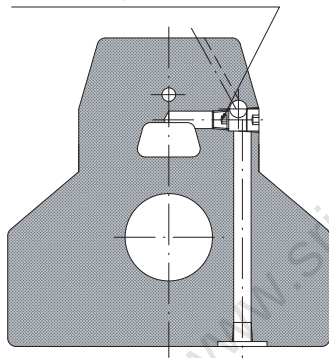
沒有螺塞是內部洩油
Without Plug When valve
Is Internally Drained.



● DHG-06, 10

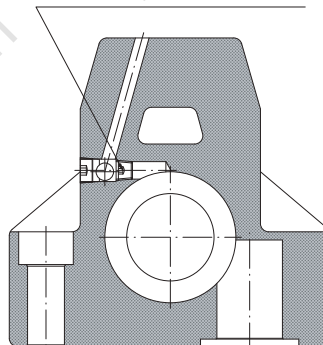


沒有螺塞是內部洩油
Without Plug When valve
Is Internally Drained.



X-X 剖面

沒有螺塞是內部引導
Without Plug When valve
Is Internally Piloted.



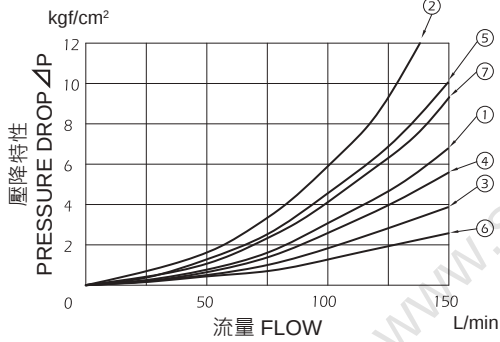
Y-Y 剖面

壓降特性 PRESSURE DROP

下列壓降特性是在油液黏度 35 cSt (mm/s) 和比重 0.850 條件下測得

Pressure drop curves based on viscosity of 35 cSt (160 SSU) and specific gravity of 0.850

● DHG-03

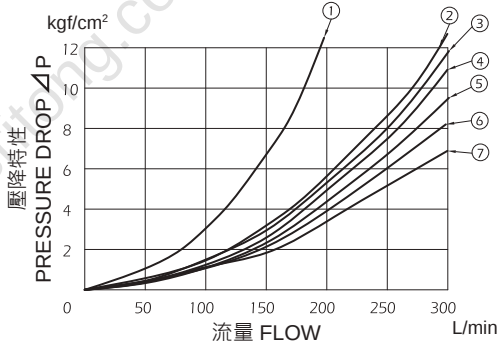


閥芯 型式 SPOOL TYPE	壓降曲線號 PRESSURE DROP CURVE NUMBERS					閥芯 型式 SPOOL TYPE	PRESSURE DROP CURVE NUMBERS				
	P→A	B→T	P→B	A→T	P→T		P→A	B→T	P→B	A→T	P→T
2	(5) (2)	(4) (2)	(5) (2)	(6) (4)	—	60	(7)	(5)	(7)	(7)	(2)
3	(5)	(3)	(5)	(5)	(7)	7	(5)	(4)	(5)	(6)	—
4	(5) (2)	(3) (3)	(5) (2)	(5) (5)	—	9	(5)	(4)	(5)	(6)	—
40	(5) (2)	(4) (4)	(5) (2)	(6) (6)	—	10	(5) (2)	(2) (2)	(5) (2)	(6) (4)	—
5	(7)	(4)	(5)	(5)	(5)	11	(6)	(4)	(5)	(6)	—
6	(5) (6)	(3) (4)	(5) (6)	(6) (7)	(1) (2)	12	(5) (2)	(4) (2)	(5) (2)	(5) (5)	—

註：() 內數字表示無衝擊型 (DHG-03) 曲線號

Note : Figures enclosed () shows curve number for shock-less type (DHG-03)

● DHG-04

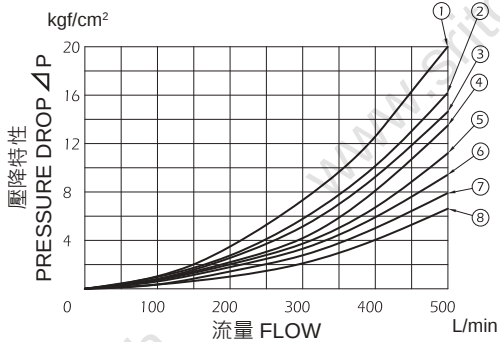


閥芯 型式 SPOOL TYPE	壓降曲線號 PRESSURE DROP CURVE NUMBERS					閥芯 型式 SPOOL TYPE	PRESSURE DROP CURVE NUMBERS				
	P→A	B→T	P→B	A→T	P→T		P→A	B→T	P→B	A→T	P→T
2	(5) (2)	(4) (2)	(5) (2)	(6) (4)	—	60	(7)	(5)	(7)	(7)	(2)
3	(5)	(3)	(5)	(5)	(7)	7	(5)	(4)	(5)	(6)	—
4	(5) (2)	(3) (3)	(5) (2)	(5) (5)	—	9	(5)	(4)	(5)	(6)	—
40	(5) (2)	(4) (4)	(5) (2)	(6) (6)	—	10	(5) (2)	(2) (2)	(5) (2)	(6) (4)	—
5	(7)	(4)	(5)	(5)	(5)	11	(6)	(4)	(5)	(6)	—
6	(5) (6)	(3) (4)	(5) (6)	(6) (7)	(1) (2)	12	(5) (2)	(4) (2)	(5) (2)	(5) (5)	—

註：() 內數字表示無衝擊型 (DHG-04) 曲線號

Note : Figures enclosed () shows curve number for shock-less type (DHG-04)

● DHG-06



閥芯 型式 SPOOL TYPE	壓降曲線號 PRESSURE DROP CURVE NUMBERS					閥芯 型式 SPOOL TYPE	PRESSURE DROP CURVE NUMBERS				
	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)	(8) (6)	(7) (2)	—	60	(6) (6)	(5) (2)	(6) (6)	(7) (3)	(3) (1)
3	(6)	(4)	(6)	(7)	(6)	7	(6)	(4)	(6)	(7)	—
4	(8) (6)	(5) (2)	(8) (6)	(7) (2)	—	9	(6)	(5)	(6)	(7)	—
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)	—

註：() 內數字表示無衝擊型 (DHG-06) 曲線號

Note : Figures enclosed () shows curve number for shock-less type (DHG-06)



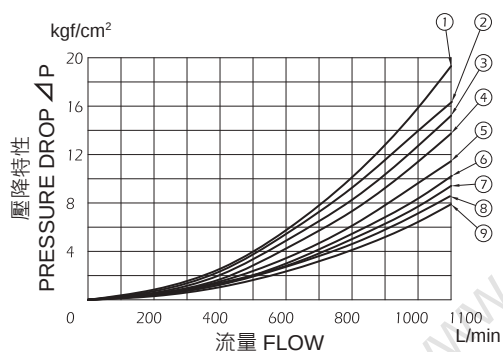
Directional Control Valve

壓降特性 PRESSURE DROP

下列壓降特性是在油液黏度 35 cSt (mm/s) 和比重 0.850 條件下測得

Pressure drop curves based on viscosity of 35 cSt (160 SSU) and specific gravity of 0.850

● DHG-10



閥芯 型式 SPOOL TYPE	壓降曲線號 PRESSURE DROP CURVE NUMBERS					閥芯 型式 SPOOL TYPE	PRESSURE DROP CURVE NUMBERS				
	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)	⑧ (④)	—	60	⑧ (⑧)	⑤ (④)	⑧ (⑧)	⑤ (④)	③ (②)
3	⑦	⑥	⑦	⑦	⑤	7	⑦	⑥	⑦	⑦	—
4	⑨ (⑧)	⑥ (⑤)	⑨ (⑧)	⑥ (⑥)	—	9	⑦	⑥	⑦	⑧	—
40	⑨	⑥	⑨	⑧	—	10	⑨	⑤	⑨	⑧	—
5	⑨	⑥	⑧	⑥	①	11	⑨	⑥	⑧	⑦	—
6	⑤	③	⑤	④	②	12	⑨	⑦	⑨	⑥	—

註：() 內數字表示無衝擊型 (DHG-10) 曲線號

Note : Figures enclosed () shows curve number for shock-less type (DHG-10)

安裝尺寸 INSTALLATION DIMENSIONS

單位 UNIT : mm

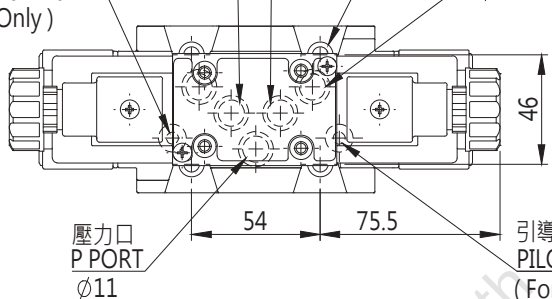
洩油口(外部洩油型)
DRAIN PORT
(For External Drain
Models Only)

B口
B PORT
Ø11

A口
A PORT
Ø11

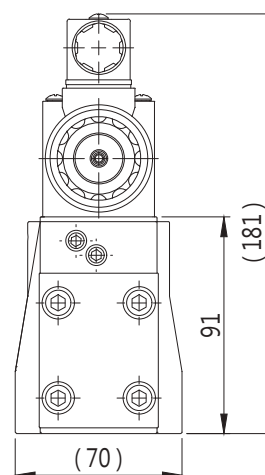
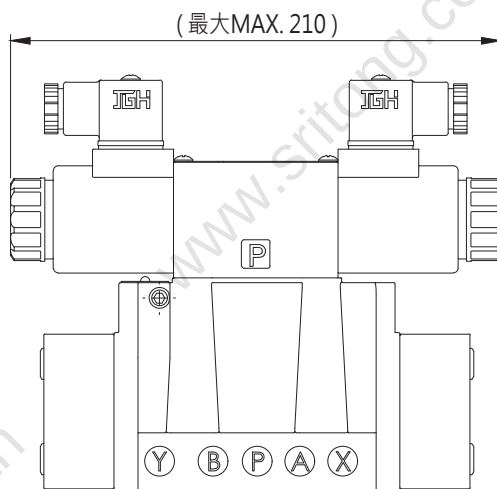
4-Ø11
下孔Ø7

回油口
T PORT
Ø11



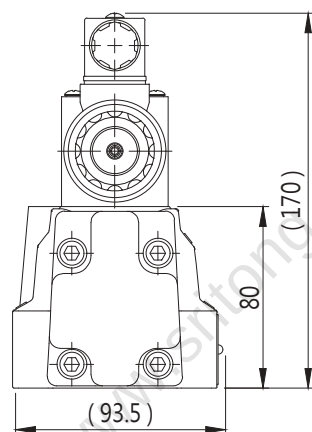
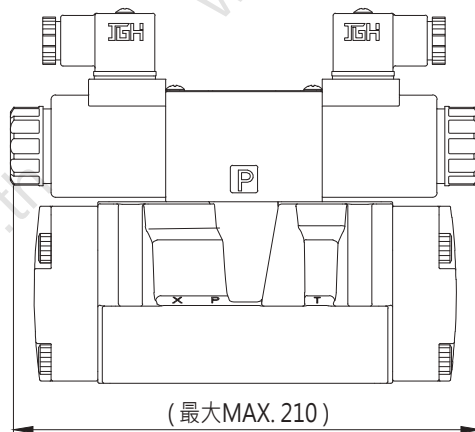
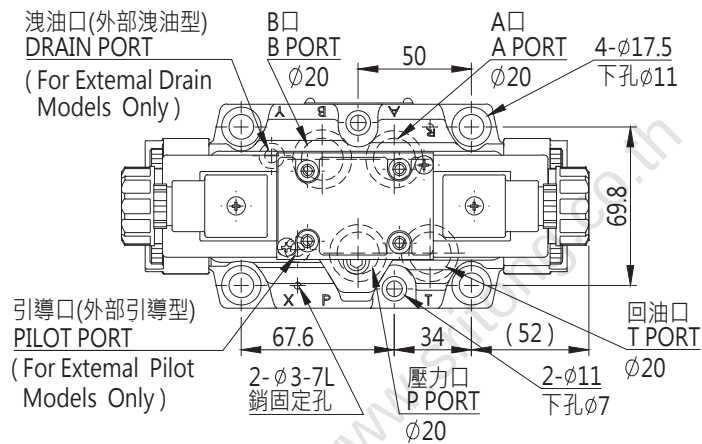
DHG-03-..DC

通用底板尺寸
APPLICATIVE
SUB-PLATE DIMENSIONS
MC - 04 - 3
(詳見 E01-10 Page E01-10)



單位 UNIT : mm

安裝尺寸 INSTALLATION DIMENSIONS



DHG-04..DC

通用底板尺寸

APPLICATIVE
SUB-PLATE DIMENSIONS

MC - 04 - 1

(詳見 E01-10 Page E01-10)

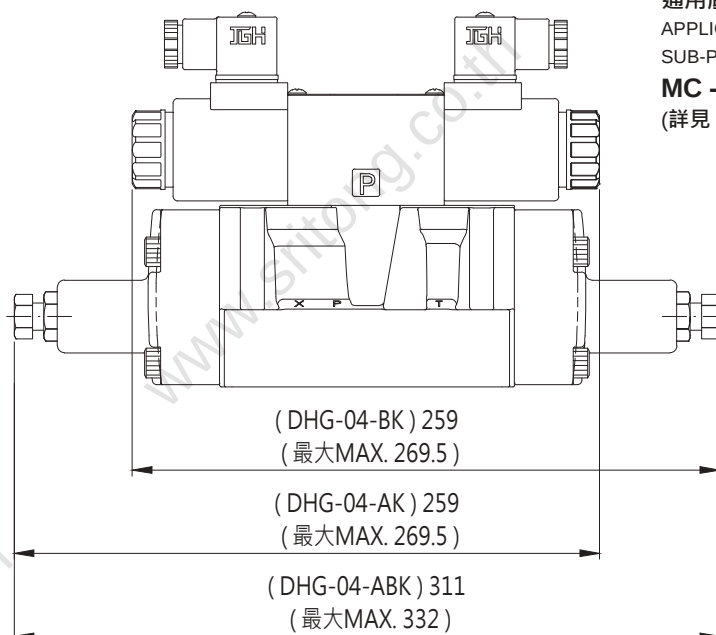
DHG-04-ABK

通用底板尺寸

APPLICATIVE
SUB-PLATE DIMENSIONS

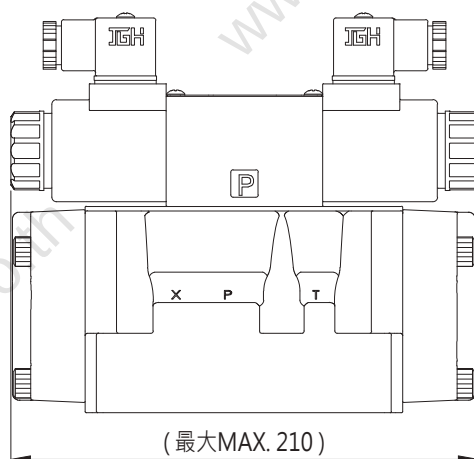
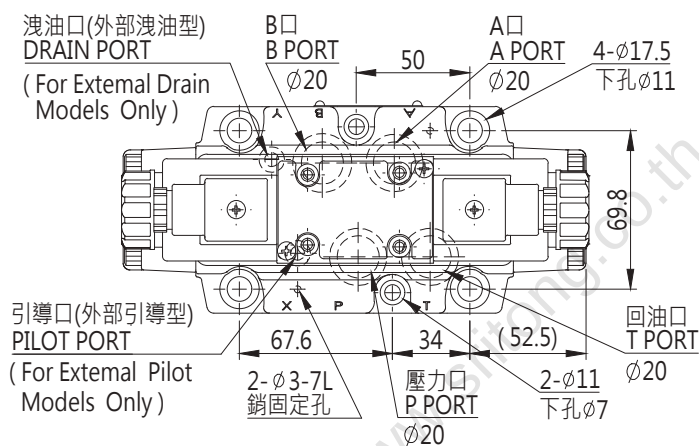
MC - 04 - 1

(詳見 E01-10 Page E01-10)



單位 UNIT : mm

安裝尺寸 INSTALLATION DIMENSIONS



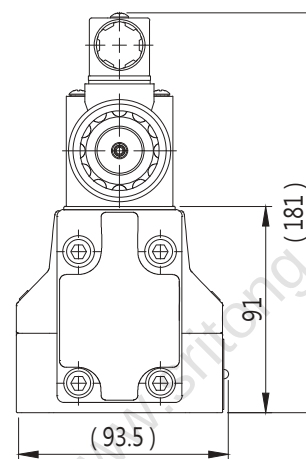
DHG-04-50..DC

通用底板尺寸

APPLICATIVE
SUB-PLATE DIMENSIONS

MC - 04 - 1

(詳見 E01-10 Page E01-10)



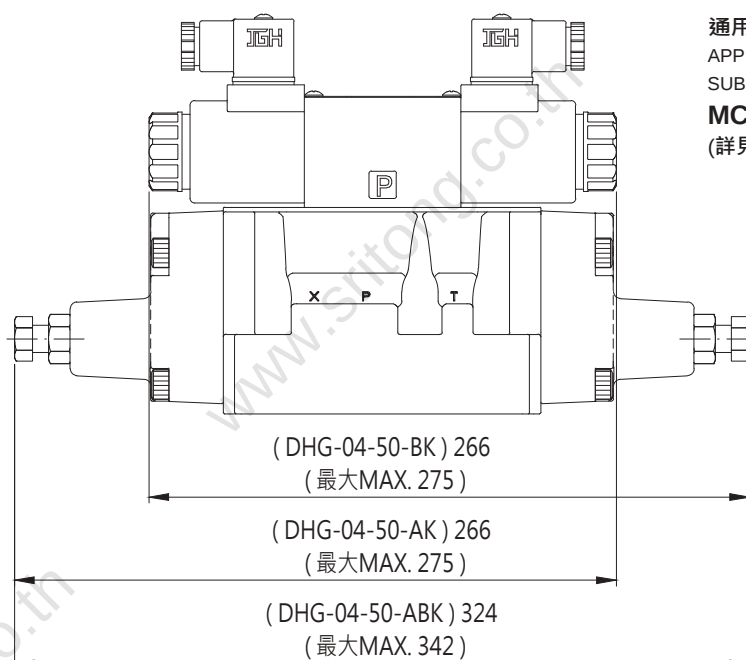
DHG-04-50-ABK

通用底板尺寸

APPLICATIVE
SUB-PLATE DIMENSIONS

MC - 04 - 1

(詳見 E01-10 Page E01-10)



單位 UNIT : mm

安裝尺寸

INSTALLATION DIMENSIONS

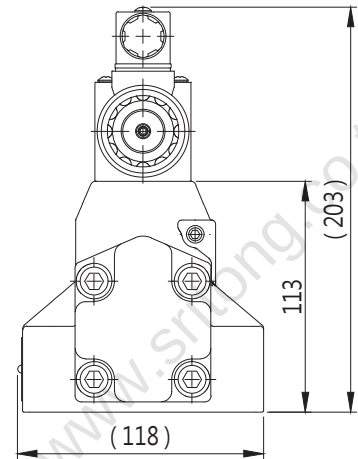
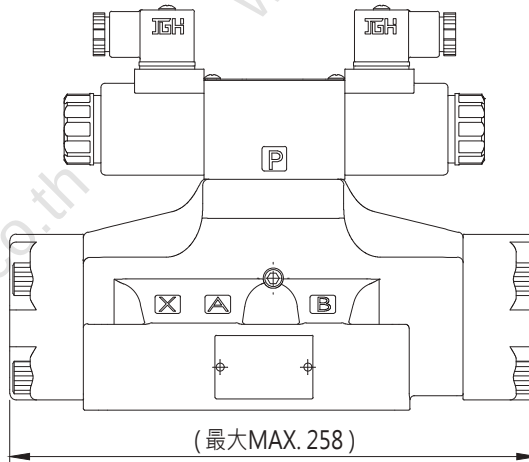
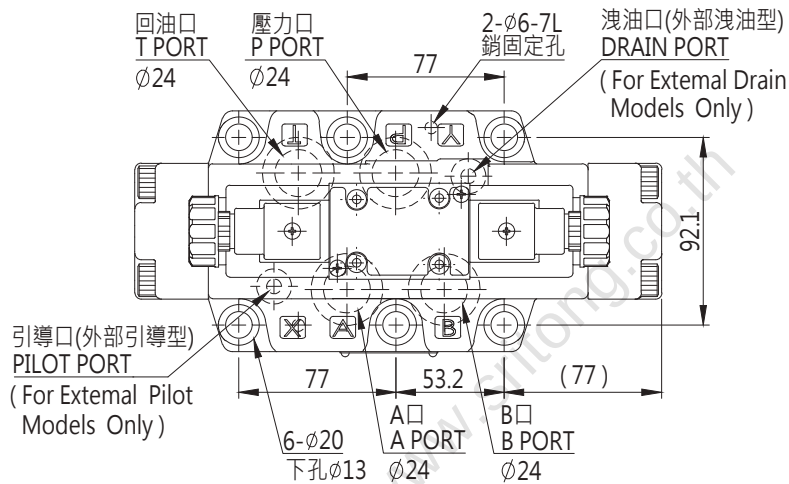
DHG-06..DC

通用底板尺寸

APPLICATIVE
SUB-PLATE DIMENSIONS

MC - 04 - 2

(詳見 E01-10 Page E01-10)



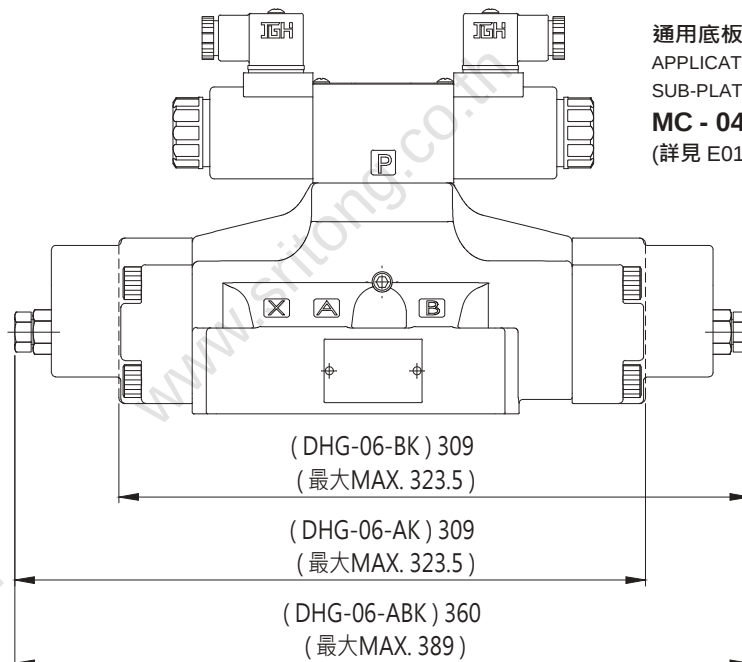
DHG-06-ABK

通用底板尺寸

APPLICATIVE
SUB-PLATE DIMENSIONS

MC - 04 - 2

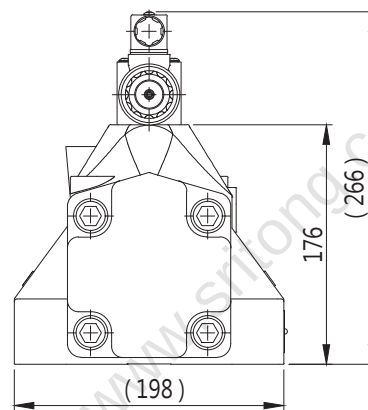
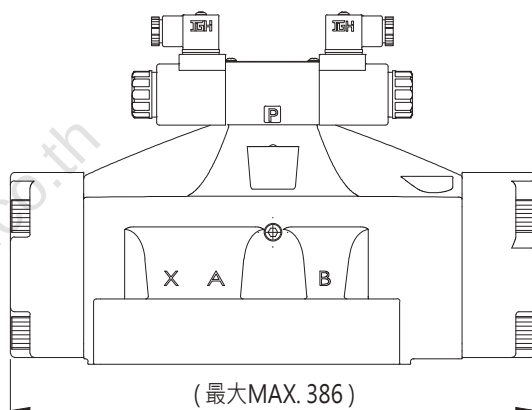
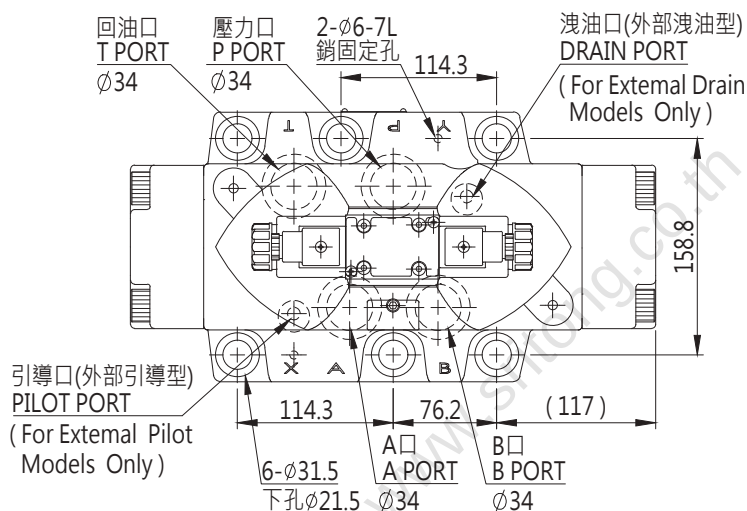
(詳見 E01-10 Page E01-10)



單位 UNIT : mm

安裝尺寸

INSTALLATION DIMENSIONS



DHG-10..DC

通用底板尺寸

APPLICATIVE
SUB-PLATE DIMENSIONS

MC - 04 - 3

(詳見 E01-11 Page E01-11)

DHG-10-ABK

通用底板尺寸

APPLICATIVE
SUB-PLATE DIMENSIONS

MC - 04 - 3

(詳見 E01-11 Page E01-11)

