

# 液控方向閥

## Solenoid Control Pilot Operated Directional Valves



### 規格說明 SPECIFICATION :

型式 MODEL	最大流量 MAX. FLOW l/min	最高 作動壓力 MAX. OPERATED kg/cm <sup>2</sup>	最高 引導壓 MAX. PILOT kg/cm <sup>2</sup>	最低 引導壓 MIN. PILOT kg/cm <sup>2</sup>	下孔最低背壓 MAX. T-LINE BACK PRES. (kg/cm <sup>2</sup> )		最高換向頻率 MAX. CHANGE OVER FREQUENCY (Cycles/min)		
					外部泄油 EXT. DRAIN	內部泄油 INT. DRAIN	AC	DC	R
DHG-04-※	300	315	250	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-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
DHG-04	M6 X 40L.....2pcs M10 X 45L.....4pcs
DHG-06	M12 X 45L.....6pcs
DHG-10	M20 X 75L.....6pcs

4WE-06電磁閥重量 SOLENOID WEIGHT (kg)		
	AC	DC
帶1個電磁鐵 Single solenoid valve	1.6	1.7
帶2個電磁鐵 Valve with 2 solenoids	2.1	2.1

**型號說明 HOW TO ORDER :**
**D HG - 04 - 3C2 - ET - 50 - W220 - 10 - AB - K**

無代號：無調整把手 NO CODE : FOR WITHOUT KNOB  
 K：附調整把手 WITHOUT KNOB

無代號：標準型式 NO CODE : FOR STANDARD TYPE  
 AB：AB側加可調整把手 WITH STROKE ADJUSTMENT BOTH ENDS  
 A：A側加可調整把手 WITH STROKE ADJUSTMENT PORT'A' END  
 B：B側加可調整把手 WITH STROKE ADJUSTMENT PORT'B' END

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 W110：110/60Hz  
 W220：220/60Hz W240：240/60Hz

設計編號 DESIGN NUMBER  
 50型

無代號：內部控制油供給，內部控制油洩油  
 NO CODE : PILOT OIL SUPPLY INTERNAL, PILOT OIL DRAIN INTERNAL  
 T：內部控制油供給，外部控制油洩油 PILOT OIL SUPPLY INTERNAL, PILOT OIL DRAIN EXTERNAL  
 ET：外部控制油供給，外部控制油洩油 PILOT OIL SUPPLY EXTERNAL, PILOT OIL DRAIN EXTERNAL  
 E：外部控制油供給，內部控制油洩油 PILOT OIL SUPPLY EXTERNAL, PILOT OIL DRAIN INTERNAL

主軸型式 SPOOL TYPE

閥規格 VALVE SIZE  
 04：1/2" 06：3/4" 10：1 - 1/4"

安裝型式 MONTING  
 G：板式安裝 SUBPLATE MOUNTED

系列編號 SERIES NUMBER

## SPOOL TYPE

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

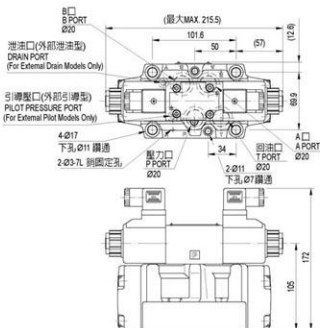
類別 APPLICATION	型式 TYPE	GRAPHIC SYMBOLS
TWO POSITION WITHOUT SPRING WITHOUT CENTERING	N2	
	N3	
TWO POSITION DETENT	D2	
	D3	
二位閥 彈簧復位 TWO POSITION SPRING OFFSET (SOLENOID b)	B2	
	B3	
	B20	
	B2S	
	B3S	
	B20S	
	C2BS	
	C3BS	
二位閥 彈簧復位 TWO POSITION SPRING OFFSET (SOLENOID a)	C4BS	
	C40BS	
	C5BS	
	C6BS	
	C60BS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

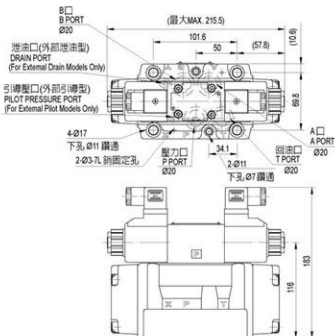
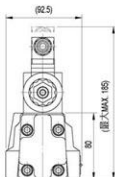
## PORT INTERCONNECTION

- 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
- 但是主軸型式 C5, C6, C60 的連接口方向相反 But port interconnections are reversed for C5, C6, C60 type.

**安裝尺寸** INSTALLATION DIMENSIONS

單位UNIT : mm


**DHG-04-...DC**

 通用底板尺寸  
 APPLICATIVE  
 SUB-PLATE DIMENSIONS  
**MC - 04 - 1**  
 (詳見 F-f1-11 Page F-f1-11)

**DHG-04-...50...DC**

 通用底板尺寸  
 APPLICATIVE  
 SUB-PLATE DIMENSIONS  
**MC - 04 - 1**  
 (詳見 F-f1-11 Page F-f1-11)

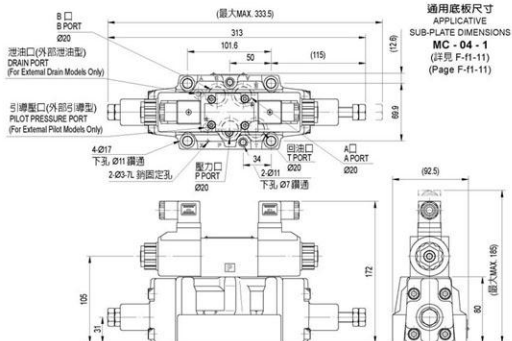



## 安裝尺寸

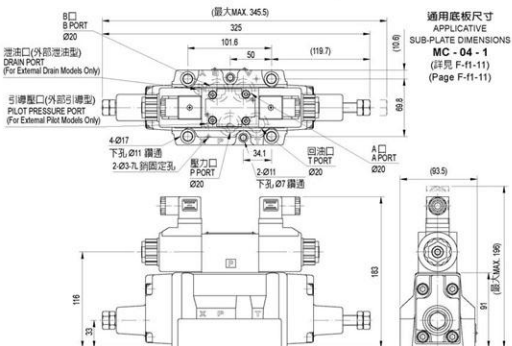
## INSTALLATION DIMENSIONS

單位UNIT : mm

## DHG-04-※-ABK...DC



## DHG-04-※-ABK-50...DC



## 安裝尺寸

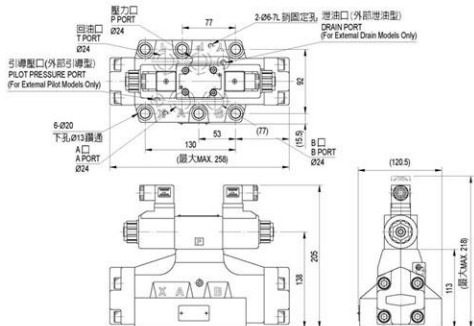
## INSTALLATION DIMENSIONS

(詳見 F-f1-11 Page F-f1-11) 適用底板尺寸

APPLICATIVE SUB-PLATE DIMENSIONS

MC - 04 - 2

DHG-06-※...DC

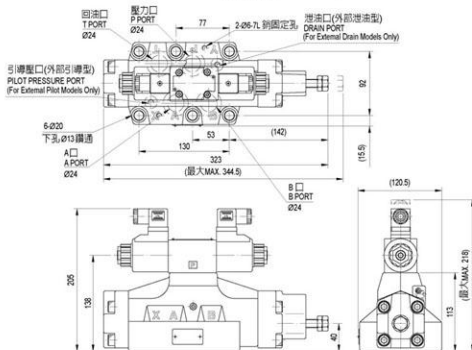


(詳見 F-f1-11 Page F-f1-11) 適用底板尺寸

APPLICATIVE SUB-PLATE DIMENSIONS

MC - 04 - 2

DHG-06-※-BK...DC



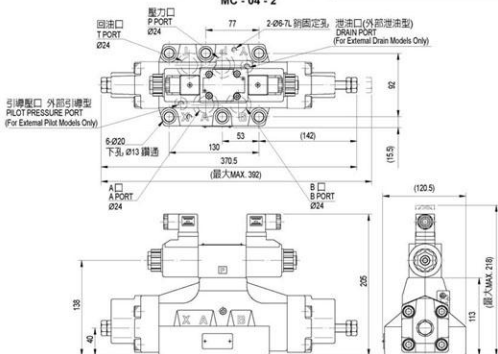
單位UNIT : mm

## 安裝尺寸

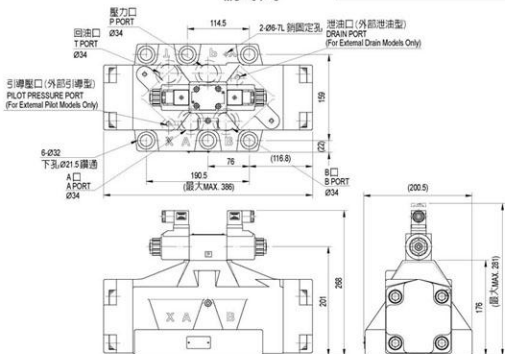
## INSTALLATION DIMENSIONS

(詳見 F-f1-11 Page F-f1-11) 通用底板尺寸  
APPLICATIVE SUB-PLATE DIMENSIONS  
MC - 04 - 2

DHG-06-※-ABK...DC

(詳見 F-f1-11 Page F-f1-11) 通用底板尺寸  
APPLICATIVE SUB-PLATE DIMENSIONS  
MC - 04 - 3

DHG-10-※...DC



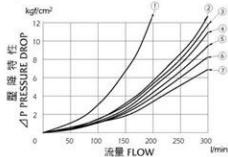


## 壓降特性 PRESSURE DROP

下列壓降特性是在油液黏度 35 cSt ( mm<sup>2</sup>/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-04

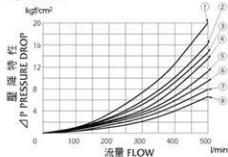


閥芯型式 SPOOL TYPE	壓降曲線號 PRESSURE DROP CURVE NUMBERS					閥芯型式 SPOOL TYPE	壓降曲線號 PRESSURE DROP CURVE NUMBERS				
	P→A	B→T	P→B	A→T	P→T		P→A	B→T	P→B	A→T	P→T
2	5 (2)	4 (2)	5 (2)	6 (4)	—	60	7	5	7	7	2
3	5	3	5	5	7	7	5	4	5	6	—
4	5 (2)	3 (3)	5 (2)	5 (5)	—	9	5	4	5	6	—
40	5 (2)	4 (4)	5 (2)	6 (6)	—	10	5 (2)	2 (2)	5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

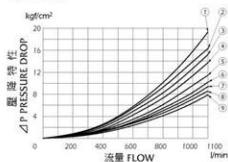


閥芯型式 SPOOL TYPE	壓降曲線號 PRESSURE DROP CURVE NUMBERS					閥芯型式 SPOOL TYPE	壓降曲線號 PRESSURE DROP CURVE NUMBERS				
	P→A	B→T	P→B	A→T	P→T		P→A	B→T	P→B	A→T	P→T
2	8 (6)	5 (1)	8 (6)	7 (2)	—	60	6 (6)	5 (2)	6 (6)	7 (3)	3 (1)
3	6	4	6	7	6	7	6	4	6	7	—
4	8 (6)	5 (2)	8 (6)	7 (2)	—	9	6	5	6	7	—
40	8	5	8	7	—	10	8	5	8	7	—
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)

### ● DHG-10



閥芯型式 SPOOL TYPE	壓降曲線號 PRESSURE DROP CURVE NUMBERS					閥芯型式 SPOOL TYPE	壓降曲線號 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)

## 換向時間 (典型例)

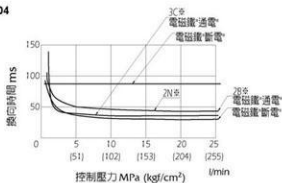
換向時間依油液黏度、閥芯機能和液壓迴路而異。

測試條件 線圈標記: DC

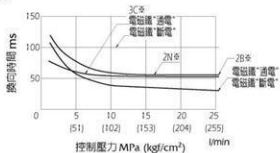
電 壓: 額定電壓

油液黏度: 35 cSt (160SSU)

## ● DHG-04



## ● DHG-06



## ● DHG-10

