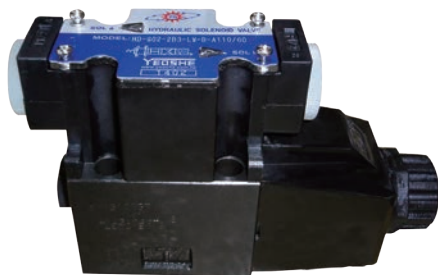


高效率低電流值電磁方向閥



HD-***-G02-DL-**-DC(單頭)



HD-***-G02-LW-**-AC(雙頭)

型號說明 Description of Model

HD - 3C2 - G02 - LW - B - S - A

HD	-	3C2	-	G02	-	LW
HD		***		G02		LW/DL
方向切換閥 Direction conversion valve		軸心回路種類 Spool Type		閥體口徑尺寸 Valve size		接現形式代號 Wiring Connection type
油浸式電磁方向閥 Flow oil Dipping Solenoid Directional control valve (plug-in board type)		請參閱軸心表 Refer to The List Of Spool Function		G02 1/4" (D03)(NG06)		LW : 接線盒形式 Box type DL : 插頭式 Din type

B	-	S	-	A
*		*		*
設計代號 Design No.		切換頻率代號 Conversion Frequency		手動切換定位調整型 Adjustment Type
B : 高效率低電流 電磁方向閥 High efficiency and Low current Solenoid Directional control valve	E : 大流量 電磁方向閥 Standard High Flow Wet Pin design valve	無: 標準型 No Mark : Standard type	S : 無衝擊型 S : Soft shift type	RF : 交直流轉換型 RF : Rectified coil type
				A : A邊定位型 A : A Port Adjustment type
				B : B邊定位型 B : B Port Adjustment type
				AB : AB邊定位型 AB : A&B Port Adjustment type

型號 Model 參數 Specification		AC				DC		RF	
		HD-G02				HD-G02		HD-G02	
使用電壓(V) Voltage(V)		110		220		12	24	110	220
		50	60	50	60				
保持電流(A) Holding Current(A)	新B型 New B-type	0.43	0.43	0.22	0.22	1.72	1.05	0.38	0.19
	舊F型 Older F-type	0.06	0.60	0.30	0.30	2.60	1.30		
啟動電流(A) Start Current(A)	新B型 New B-type	1.45	1.47	0.89	1.01				
	舊F型 Older F-type	2.26	2.26	1.33	1.23				
防護等級 Protection Class		IP65							
線圈使用銅線等級 Insulation Class		PEWH級 PEWH class							
線圈耐溫程度 Maxlimum Tolerable Temperature		180℃							

附註：

- 1.使用電壓有±10%的操作範圍。
- 2.本公司線圈備有其他電壓提供。

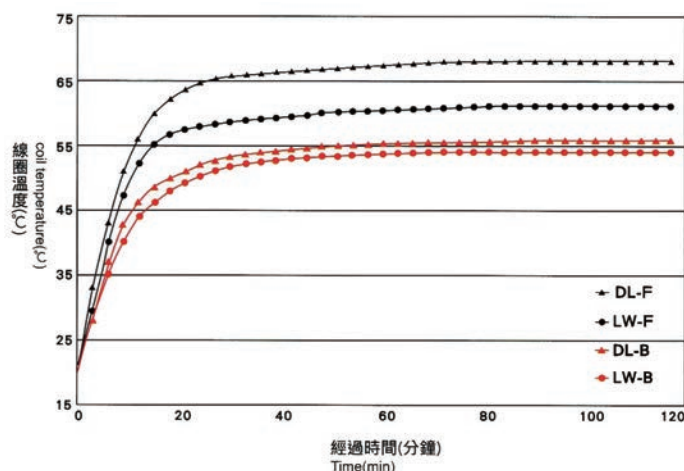
Notes：

- 1.Within ±10% application of rated voltage.
- 2.If you have special voltage requirements,please contact with us.

高效率低電流值電磁方向閥



新B型VS.F型電磁線圈溫升表現 New B type VS.Old F type temperature rise performance



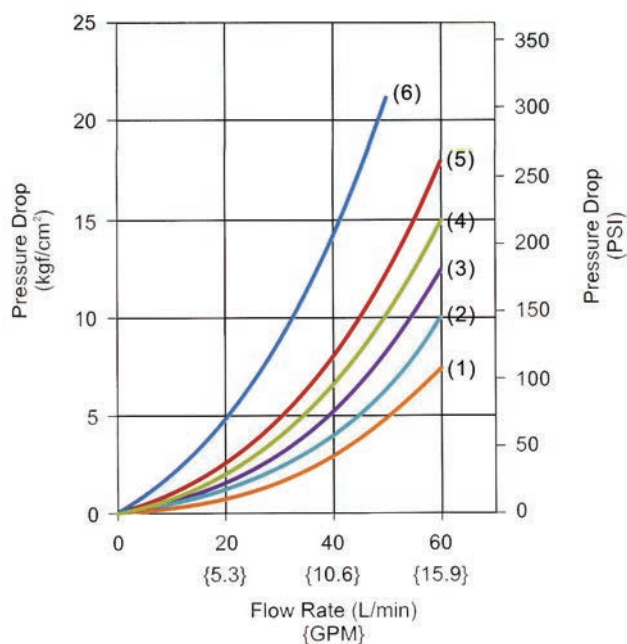
1. 線圈溫度測試時之操作壓力為100gf/cm²。
2. 此線圈溫度側是在實驗室恒溫22°C。
3. 以AC220V型線圈為例。

1. The operational pressure in the test of the coil temperature is 100kgf/cm²
2. The coil temperature test at a constant temperature of 22 degrees in the laboratory.
3. AC220V coil type, example.

B型系列，E型系列電磁閥之優點 B-type,E-type Valve Feature

1. 本體采雙回油溝設計，將各油溝加大，使其通往流量增加並提升高使用壓力。
2. 軸心采加大設計，增加軸孔通過流量，減少內部抵抗，增加容許背壓。
3. 採用最新型的電磁線圈與電磁管組合，電磁閥在運作過程中之線圈能有效降低溫升，以符合使用者的需求。
4. 線圈採用最新型特殊設計，能有效達到低耗能、高效率並且降低電流值，能提供與F型的電磁閥相同的大出力與使用壓力。
5. 安裝尺寸與外觀尺寸皆與F型電磁閥皆相同，能取代F型電磁閥。
7. 新B型電磁閥各項產品特性及資料，皆優於F型電磁閥，固可完整取代F型。

1. Dual line tank design reduces the pressure drop resulting in better flow characteristics.
2. The spool's design is the increased size and can improve the better flow characteristics Huge increasing of back-pressure allowable and lower internal resistance.
3. New type of magnetic coil and tube combination, enable the solenoid valve can lower the temperature effectively during operation.
4. New special design type of coil can lower current and temperature effectively, even energy-saving.
5. Can reach the high flow and pressure as the same as F-type.
6. The valve's feature and dimension are as the same as F-type and totally interchangeable with F-type solenoid valves.
7. New B-type solenoid valve will totally interchangeable with F-type solenoid valve in the future.
The new B-type solenoid valve will totally interchangeable with F-type solenoid valve in the future.
The new B-type solenoid valve will improve your product quality and increase the company's competitiveness.

壓力曲線表 Pressure drop curve(measured at $v=38\text{mm}^2/\text{s}$ and $\text{temp.}=50^\circ\text{C}$)

Model Numbers	Pressure Drop Curve Number				
	P→A	B→T	P→B	A→T	P→T
HD-2B2-G02	(5)	(5)	(2)	(2)	-
HD-2B3-G02	(4)	(4)	(2)	(1)	-
HD-2B8-G02	(2)	-	(2)	-	-
HD-3C2-G02	(2)	(2)	(2)	(2)	-
HD-3C3-G02	(1)	(1)	(1)	(1)	(3)
HD-3C4-G02	(2)	(1)	(2)	(1)	-
HD-3C40-G02	(2)	(2)	(2)	(2)	-
HD-3C60-G02	(6)	(6)	(6)	(6)	(3)
HD-3C9-G02	(1)	(2)	(1)	(2)	-
HD-3C10-G02	(2)	(1)	(2)	(2)	-
HD-3C11-G02	(1)	(2)	(2)	(2)	-
HD-3C12-G02	(2)	(2)	(2)	(1)	-
HD-2D2-G02	(2)	(5)	(2)	(5)	-

產品特性表 Description of feature

閥尺寸 Model	HD-G02					
參數 Specification	最高使用壓力 (kgf/cm²) Max. Pressure	容許背壓 (kgf/cm²) Allowable Back pressure	最大流量 (L/min) Max flow	切換頻率(回/分) Conversion frequency (Cycle/min)	液壓油 溫度範圍(°C) Hydraulic oil temperature range	液壓油 黏度範圍 (cst) Hydraulic oil viscosity range
	315	70~160	60	AC、DC型：240 RC型：120 RS型：120 AC、DC type：240 RC type：120 RD type：120	-15~+70	10~400 (ISO VG46、68)

附註：
最大流量、最大壓力、容許背壓隨回路而異。

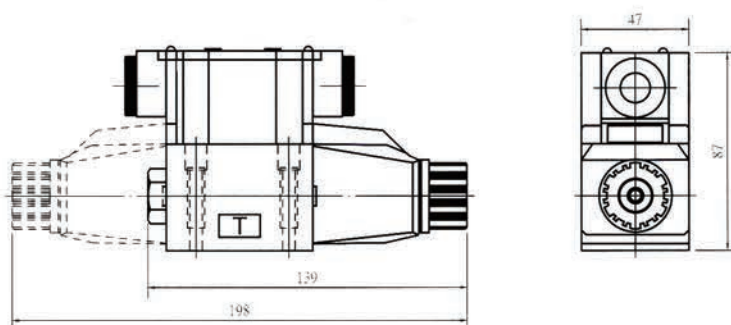
Notes：

Max.flow,max.pressure&allowable back pressure will be varied to different circuits.

外觀尺寸圖 (CAD) Notice

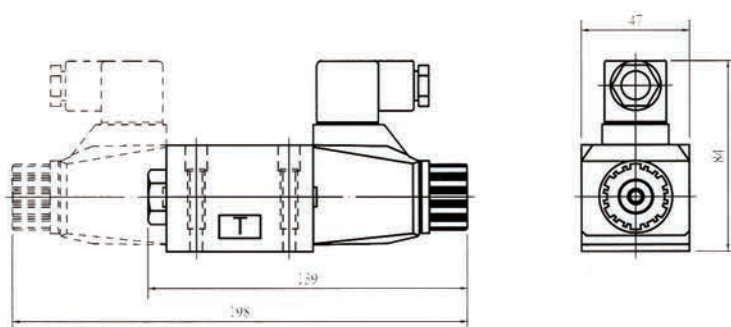
02LW-AC

LW-AC-單頭：重量(Weight) 1.4 kg
LW-AC-雙頭：重量(Weight) 1.8 kg



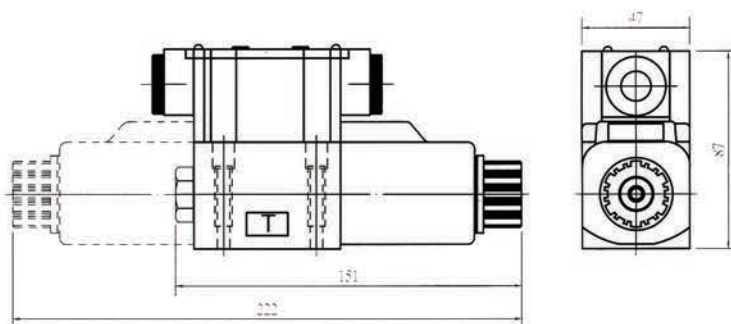
02DL-AC

DL-AC-單頭：重量(Weight) 1.3 kg
DL-AC-雙頭：重量(Weight) 1.7 kg



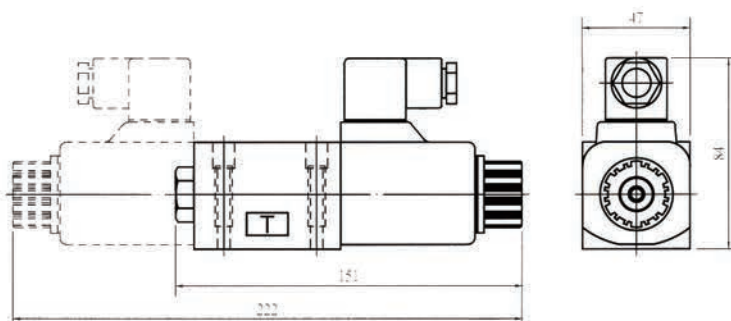
02LW-DC

LW-DC-單頭：重量(Weight) 1.5 kg
LW-DC-雙頭：重量(Weight) 2.0 kg



02DL-DC

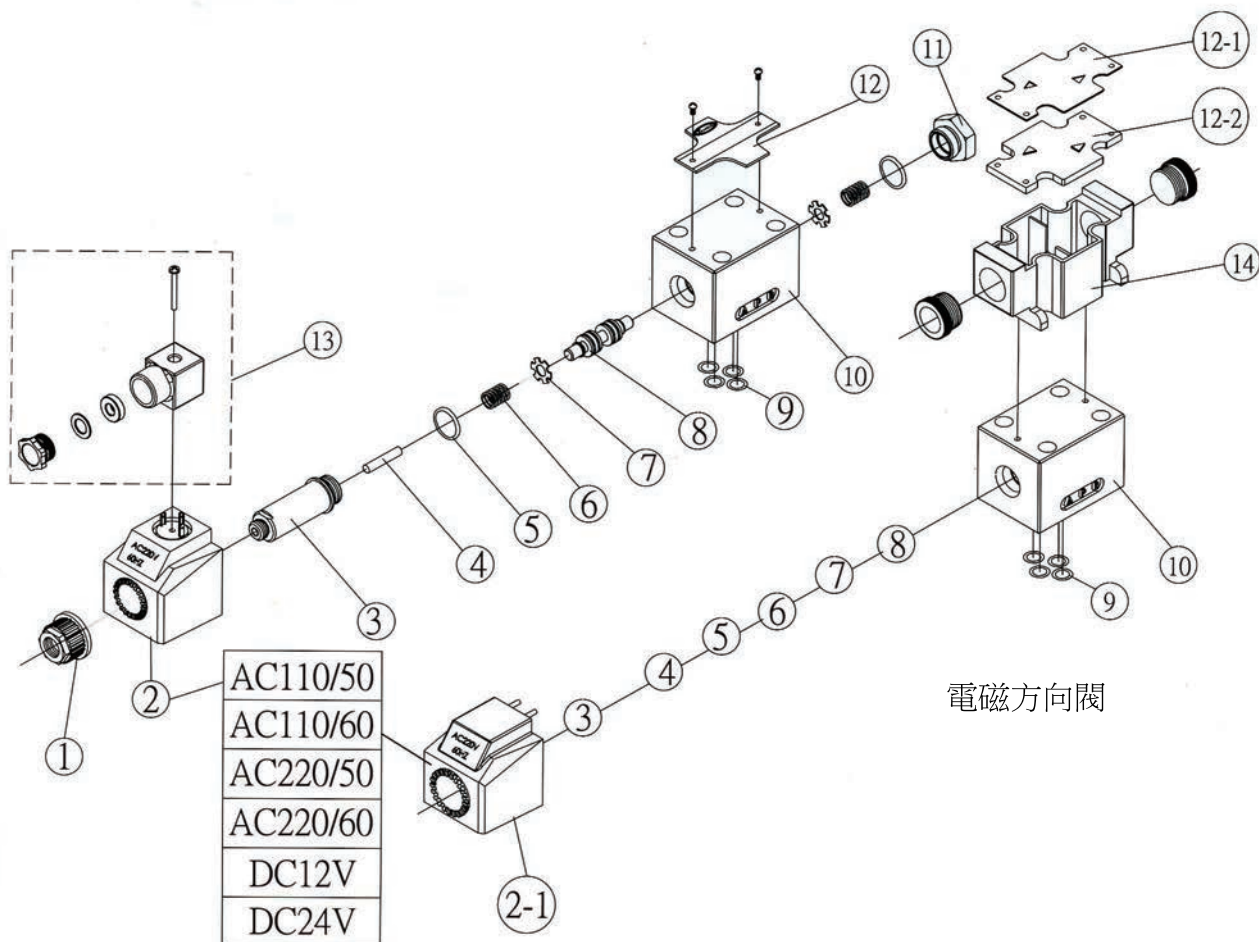
DL-DC-單頭：重量(Weight) 1.4 kg
DL-DC-雙頭：重量(Weight) 2.0 kg



高效率低電流值電磁方向閥



產品結構圖 (CAD)



1. 塑膠螺帽
2. DL線圈
- 2-1 LW線圈
3. 電磁管
4. 撞擊桿
5. P-15 O型環
6. 彈簧
7. 彈簧座
8. 軸心

- Screw Nut
- DL Coil
- LW Coil
- Tube
- Hitting Staff
- P-15 O-ring
- Spring
- Spring Set
- Spool

9. 本體P-9 O型環
10. 閥體
11. 本體螺帽
12. DL銘板
- 12-1 LW銘板
- 12-2 透明上蓋
13. DIN接頭指示燈
14. BOX接線盒

- Body P-9 O-ring
- Main Body
- Body Screw Nut
- DL Nameplate
- LW Nameplate
- Transparent Panel
- Plug-in pilot light
- Terminal box connector