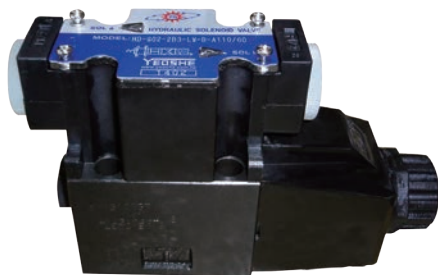


高效率低电流值电磁方向阀



HD-***-G02-DL-**-DC(单头)



HD-***-G02-LW-**-AC(双头)

型号说明 Description of Model

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

HD	-	3C2	-	G02	-	LW
HD		***		G02		LW/DL
方向切换阀 Direction conversion valve		轴心回路种类 Spool Type		阀体口径尺寸 Valve size		接现形式代号 Wiring Connection type
油浸式电磁方向阀 Flow oil Dipping Solenoid Directional control valve (plug-in board type)		请参阅轴心表 Refer to The List Of Spool Function		G02 1/4" (D03)(NG06)		LW : 接线盒形式 Box type DL : 插头式 Din type

B	-	S	-	A
*		*		*
设计代号 Design No.		切换频率代号 Conversion Frequency		手动切换定位调整型 Adjustment Type
B : 高效率低电流 电磁方向阀 High efficiency and Low current Solenoid Directional control valve	E : 大流量 电磁方向阀 Standard High Flow Wet Pin design valve	无 : 标准型 No Mark : Standard type	S : 无冲击型 S : Soft sft type	RF : 交直流转换型 RF : Rectified coil type
				A : A边定位型 A : A Port Adjustment type
				B : B边定位型 B : B Port Adjustment type
				AB : AB边定位型 AB : A&B Port Adjustment type

参数 Specification		型號 Model		AC		DC		RF	
				HD-G02		HD-G02		HD-G02	
使用电压(V) Voltage(V)		110		220		12	24	110	220
		50	60	50	60				
保持电流(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
	旧F型 Older F-type	0.06	0.60	0.30	0.30	2.60	1.30		
启动电流(A) Start Current(A)	新B型 New B-type	1.45	1.47	0.89	1.01				
	旧F型 Older F-type	2.26	2.26	1.33	1.23				
防护等级 Protection Class		IP65							
线圈使用铜线等级 Insulation Class		PEWH級 PEWH class							
线圈耐温程度 Maxilimum Tolerable Temperature		180℃							

附注：

- 1.使用电压有±10%的操作范围。
- 2.本公司线圈备有其他电压提供。

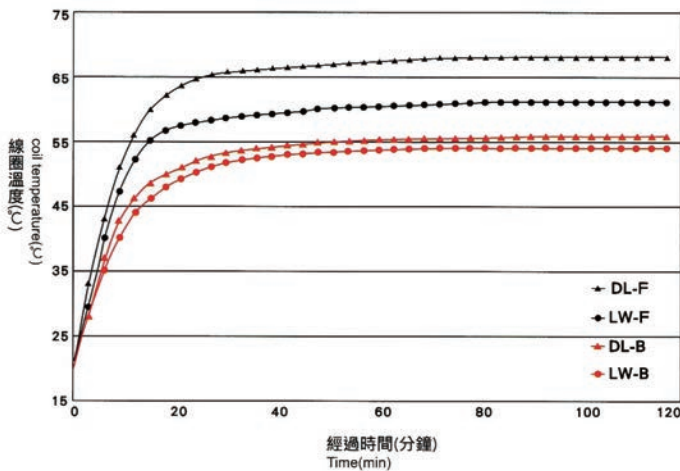
Notes：

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



高效率低电流值电磁方向阀

新B型VS.F型电磁线圈温升表现 New B type VS.Old F type temperature rise performance



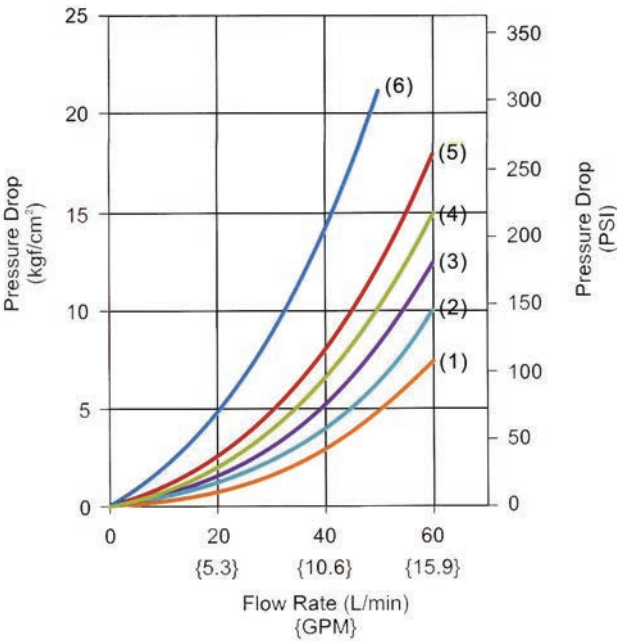
1. 线圈温度测试时之操作压力为100gf/cm²。
2. 此线圈温度侧是在实验室恒温22°C。
3. 以AC220V型线圈为例。

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型系列电磁阀之优点 B-type,E-type Valve Feature

1. 本体采双回油沟设计，将各油沟加大，使其通往流量增加并提升使用压力。
 2. 轴心采加大设计，增加轴孔通过流量，减少内部抵抗，增加容许背压。
 3. 采用最新型的电磁线圈与电磁管组合，电磁阀在运作过程中之线圈能有效降低温升，以符合使用者的需求。
 4. 线圈采用最新型特殊设计，能有效达到低耗能、高效率并且降低电流值，能提供与F型的电磁阀相同的大出力与使用压力。
 5. 出力与使用压力。
 6. 安装尺寸与外观尺寸皆与F型电磁阀皆相同，能取代F型电磁阀。
 7. 新B型电磁阀各项产品特性及数据，皆优于F型电磁阀，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.

压力曲线表 Pressure drop curve(measured at v=38mm²/s and temp.=50℃)



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)	-

产品特性表 Description of feature

阀尺寸 Model	HD-G02					
参数 Specification	最高使用压力 (kgf/cm²) Max.Pressure	容许背压 (kgf/cm²) Allowable Back pressure	最大流量 (L/min) Max flow	切换频率(回/分) Conversion frequency (Cycle/min)	液压油 温度范围(℃) Hydraulic oil temperature range	液压油 黏度范围(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)

附注：
最大流量、最大压力、容许背压随回路而异。

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

高效率低电流值电磁方向阀

注意事项 Notice

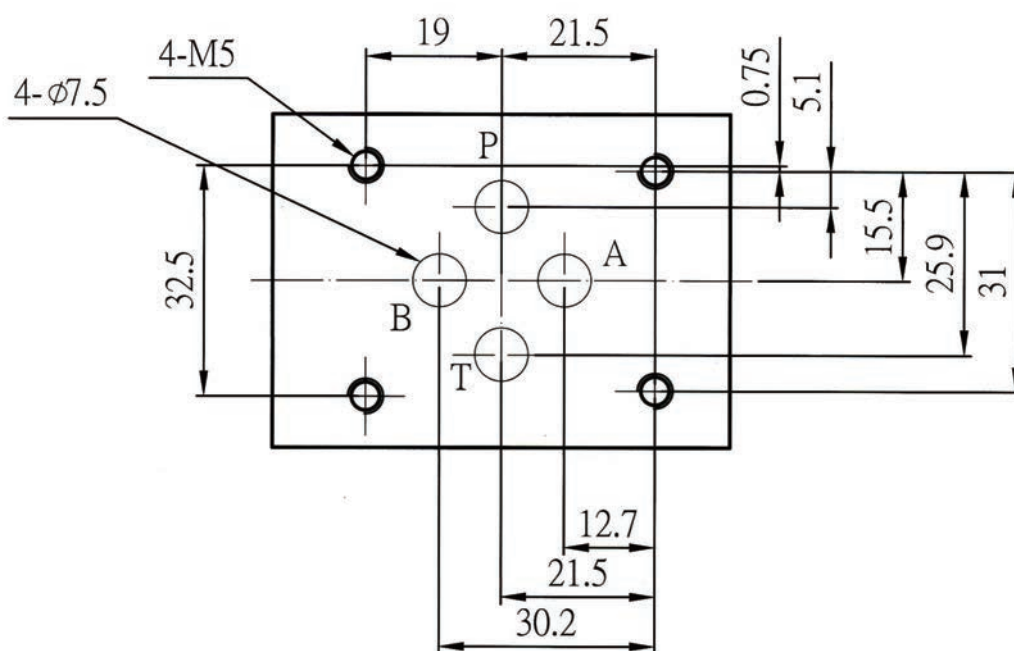
1. 无弹簧复归型以水平安装为佳。
 2. 安装面请保持3.2z的表面粗度以下。
 3. F型电磁管与新B、E行不建议互换。
 4. 轴心尺寸不同，不可互换。
1. Springless type valve should be installed horizontally.
 2. Installation surface and valve surface should be keep under 3.2z surface roughness.
 3. F-type tube are not interchangeable with the new B,E-type.
 4. If the spool's sizes are different, that can not interchangeable.

附件 Accessories

1. G02：阀本体固定内六角螺丝M5x45x4支。
2. DL型线圈接头皆附保护盖。
3. 阀本体附上保护底板。

1. G02：Screw of main body M5x45L.....4pcs.
2. DL-type coil socket with protective cover.
3. Main body with sub plate.

外观尺寸图及产品结构图 View&Component

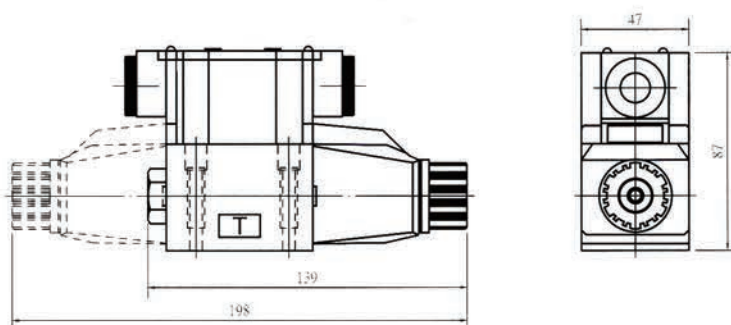


高效率低电流值电磁方向阀

外觀尺寸圖 (CAD) Notice

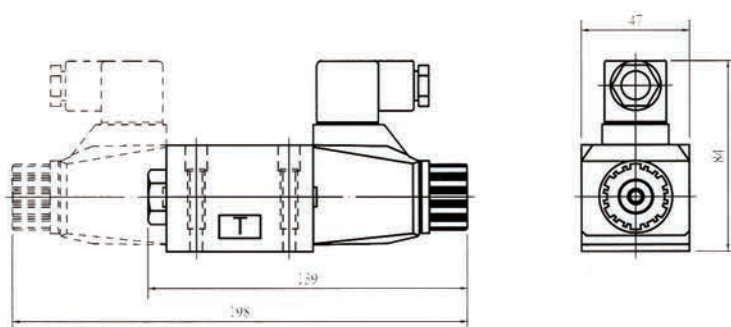
02LW-AC

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



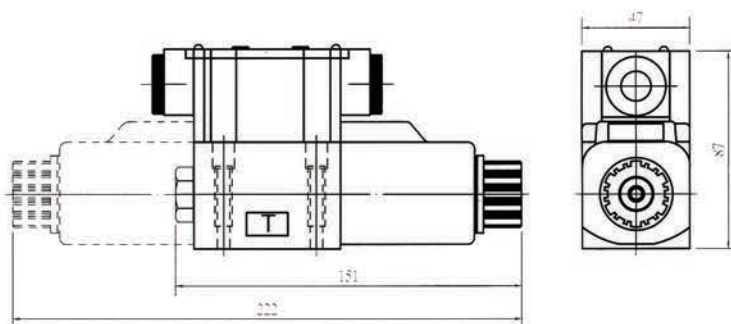
02DL-AC

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



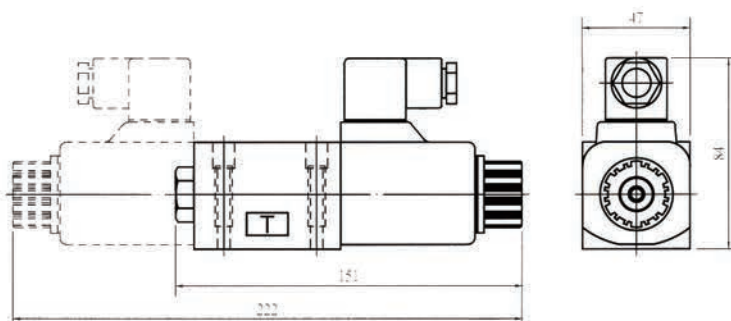
02LW-DC

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



02DL-DC

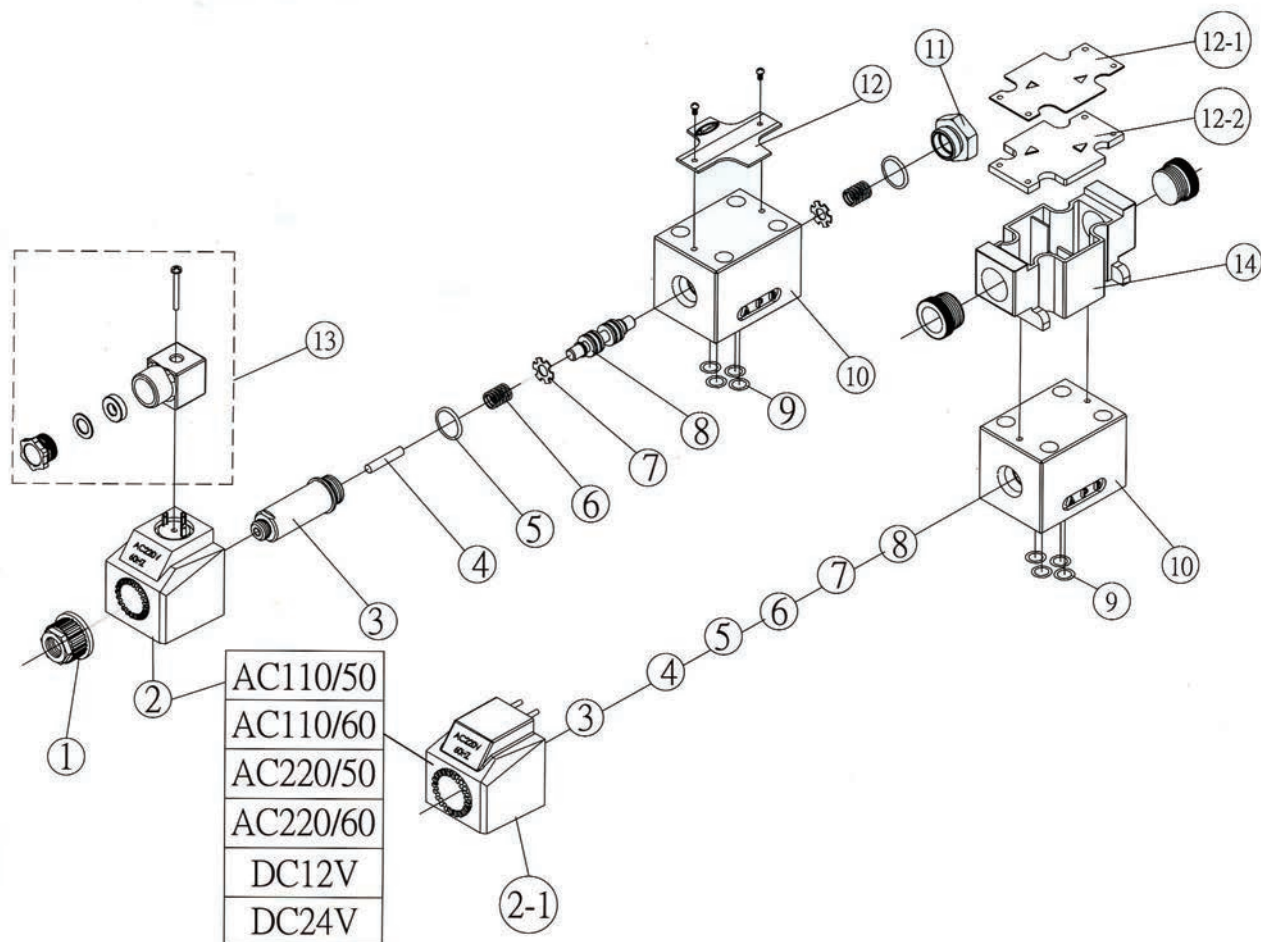
DL-DC-單頭：重量(Weight) 1.4 kg
DL-DC-雙頭：重量(Weight) 2.0 kg



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产品结构图 (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