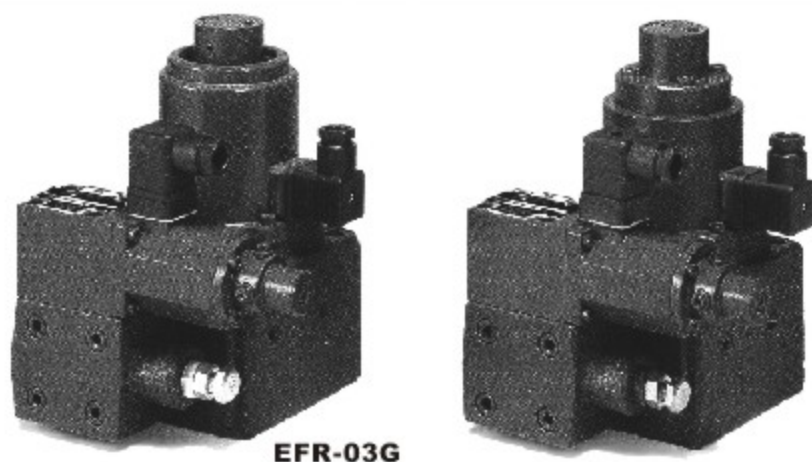


◆ MODEL 型 式



EFR-03G

◆ SPECIFICATION 性能表

MODEL NO. 型 號	PRESSURE 壓力 (bar)	FLOW - RATE 流 量 (ℓ / min)	CONTROL STYLE 控制型式	RATED CURRENT 額定電流 (mA)	COIL RESISTANCE 線圈電阻 (Ω)
EFR-03G-20	210	125	Pressure control 壓力控制	800	10 40
EFR-06G-20	210	250	Flow control 流量控制	800	10 40

Caution in Application:

● Place for installation

The place of bleeder can be adjusted freely and put the direction upside available to eliminate the air in pipe passage and valve.

● Drain

The return oil pipe passage should be avoided having Flowed Friction Condition but reduce back pressure as possible.

● Hand-adjusting (pressure, flow) Screw (bar)

When electric control is disorder and need to supply pressure occasionally, then just to return the hand-adjusting pressure screw(bar) in dockwise direction. Restore it to the origin at usual time

● Elimination of Air (Air Vent)

Turn the bleeder on the upword position, then open the screw(adjust system pressure to 30kgf/cm^2) eliminating the air. then lock tightly the screw when there is no bubble but full of oil in valve.

● Highest Safety Pressure Set

It is demanded upon actual oil pump disorption and actual use pressure just fine when oil pumps less than $100 \ell/\text{min}$, super add 15kgf/cm^2 is recommended.

使用上注意事項:

● 安裝位置

放氣孔位置可自由調整，請將其方向朝上，以方便排出管線及閥門內的空氣。

● 回流管路

回流管路應可避免有回流現象，儘可能減少背壓。

● 手動調整 (壓力、流量) 螺絲

當電氣故障時，隨時應急使用，平時則應歸原位。

● 空氣排除

將調整蓋上的放氣孔螺絲打開，將系統壓力調在 30kgf/cm^2 確空氣排出，當閥內充滿油而不見再有氣泡後，將螺絲再鎖緊。

● 最高安全壓力設定

依實際油泵吐出量及實際使用壓力而決定，通常在油泵 $100 \ell/\text{min}$ 以下，追加 15kgf/cm^2 即可。

◆ HOW TO ORDER 編號說明

1	2	3	4	5
EFR	03	G	2	20

1 MODEL 產品型號

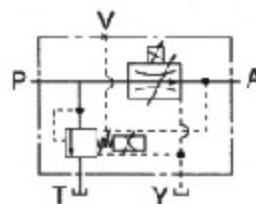
2 SUBPLATE MOUNTING SIZE: 插板口徑

03 = $3/8"$ (9mm)	06 = $3/4"$ (19mm)
ISO CETOP5	ISO CETOP8
DIN NG 10	DIN NG 25
NFPA D05	NFPA D08

3 CONNECTING TYPE 連接型式

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

◆ CONTROL PORT(S) 動作形式



4 PRESSURE ADJUSTMENT 壓力調整範圍

Blank: without Pilot & pres. adj.

空白: 無引油調整

2: 140 bar

3: 250 bar

5 DESIGN NO 設計編號

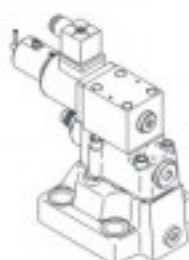
PROPORTIONAL ELECTRO-HYDRAULIC PILOT RELIEF VALVES ER SERIES

ER 比例電磁比例式引線調壓閥

◆ MODEL 型 式

ER-03 / 06 / 10G

EDB-03 06 10G



◆ SPECIFICATIONS 規 格

Model Number 型號	Pressure 壓力 bar	Flow 流量 L/min	Rated Current 額定電流 mA	Coil Resistance 線圈阻值 Ω	Hysteresis 滯後性 %	Weight 重量 kg
ER-03G	250(3625 psi)	100	800	20 (20 °C)	3 max. (17)	3.4(7.5 lbs)
EDB-03G	350(5076 psi)	250	800	20 (20 °C)	3 max. (17)	3.4(7.5 lbs)
ER-06G	250(3625 psi)	200	800	20 (20 °C)	3 max. (17)	5(11.0 lbs)
EDB-06G	350(5076 psi)	500	800	20 (20 °C)	3 max. (17)	5(11.0 lbs)
ER-10G	250(3625 psi)	400	800	20 (20 °C)	3 max. (17)	5.9(13.0 lbs)
EDB-10G	350(5076 psi)	650	800	20 (20 °C)	3 max. (17)	6.9(15.0 lbs)
Fluid Type 液體介質			ISO VG 32, 46, 68			
Viscosity 黏度 cSt			10-406 (50-1854 SSU)			
Operating Temperature 操作溫度 °C			-15~70 (-5~158 °F)			
Contamination Level 污染程度			ISO4406 21/18/16 NAS1638/10			

● All screws with metric measure, if require inch measure, please contact us.
所有螺絲均以公制單位標註 - 若需英制單位請洽本公司業務部

◆ HOW TO ORDER 如何訂貨

1	2	3	4	5
ER	03	G	2	10

1 VALVE SERIES 閥系列

ER
EDB

2 SUBPLATE MOUNTING SIZE: 底座尺寸

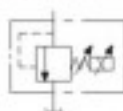
03 = 3/8"(9.5mm) ISO CETOP5
ISO CETOP5
DIN NG 10
NPPA D05

10 = 1 1/4"(31.5mm)
ISO CETOP10
DIN NG 32
NPPA D15

3 CONNECTING TYPE 連接型式

G TYPE BASEPLATE MOUNTING TYPE
(板式安裝)

◆ CONTROL PORT(S) 控制口



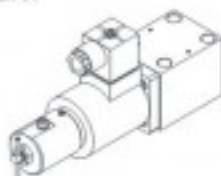
4 PRESSURE ADJUSTMENT 壓力調整

ER		EDB	
Order 順序	Adjustment pressure 壓力調整範圍	Order 順序	Adjustment pressure 壓力調整範圍
1	5 ~ 25 (bar)	1	5 ~ 25 (bar)
2	7 ~ 35 (bar)	2	7 ~ 35 (bar)
3	10 ~ 140 (bar)	3	10 ~ 140 (bar)
4	16 ~ 280 (bar)	4	16 ~ 280 (bar)
		5	20 ~ 350 (bar)

5 DESIGN NO 設計編號

◆ MODEL 型 號

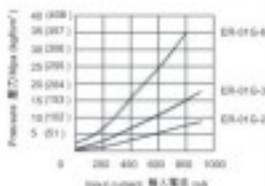
ER-01



◆ CONTROL PORT(S) 控制口



◆ PERFORMANCE 性能



◆ SPECIFICATIONS 規格

Model Number 型號	Maximum Pressure 最大壓力 bar	Rated Flow 額定流量 L/min	Rated Current 額定電流 mA	Coil Resistance 線圈阻值 Ω	Hysteresis 滯後性 %	Weight 重量 kg
ER-01	350(5076 psi)	1.2	800	20 (20 C)°	3 max. @ T	1.6(3.5 lbs)
Fluid Type 液體類型				ISO VG 32, 46, 68		
Viscosity 黏度 cSt				10-100 (59-1824 SSU)		
Operating Temperature 操作溫度 °C				-15-70 (-5-158 F)		
Contamination Level 污染等級				ISO4406: 21/18/18 NAS1635: 10		

◆ All screws with metric measure, if require inch measure, please contact us.
所有螺絲均為公制螺絲規格，如需英制螺絲請與我們聯繫。

◆ HOW TO ORDER 如何訂貨

1	2	3	4	5
ER	01	G	—	* — 20

1 VALVE SERIES 系列

ER = ELECTRO-HYDRAULIC PROPORTIONAL PILOT RELIEF VALVE
電磁比例卸荷閥

2 SUBPLATE MOUNTING SIZE: 接口尺寸

D1 = 1/4"(6mm)
ISO CETOP3
DIN NG 6
NFA D63

3 CONNECTING TYPE 連接

G: TYPE-BASEPLATE MOUNTING TYPE
(底座安裝)

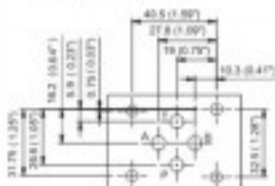
4 ADJUSTMENT PRESSURE 壓力調整範圍

Order 編號	Adjustment pressure 壓力調整範圍
1	3.1 ~ 25 (bar)
2	7.7 ~ 70 (bar)
3	10 ~ 140 (bar)
4	15.4 ~ 200 (bar)
5	20 ~ 250 (bar)

5 DESIGN NO 設計編號

◆ Mounting Interface 安裝接口

ISO 4401-AB-03-A-A



◆ DIMENSIONS 尺寸



MECHANICAL TYPE FLOW VALVE

機械式流量閥



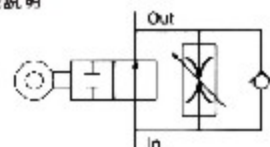
FYC-G02



FYC-G03

◆ HOW TO ORDER 編號說明

1	2
FYC	G02

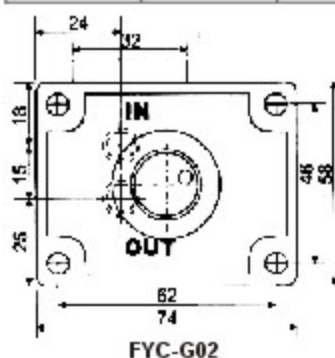


1 VALVE SERIES 系列名稱

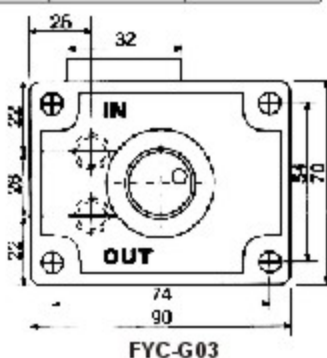
2 SUBPLATE MOUNTING SIZE: 插牌口徑

◆ SPECIFICATIONS 規格

型式號碼 Model Numbers	最高使用壓力 Max. Pressure	流量調整範圍 Rate Adjusting	自由流量 Free Flow	重量 Weight
FYC-G02	70 kgf/cm ²	0.01~4L/min	20 L/min	1.20 kg
FYC-G03		0.01~8L/min	30 L/min	1.95 kg



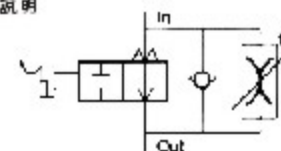
FYC-G02



FYC-G03

◆ HOW TO ORDER 編號說明

1	2
FKC	G02



1 VALVE SERIES 系列名稱

2 SUBPLATE MOUNTING SIZE: 插牌口徑

◆ SPECIFICATIONS 規格

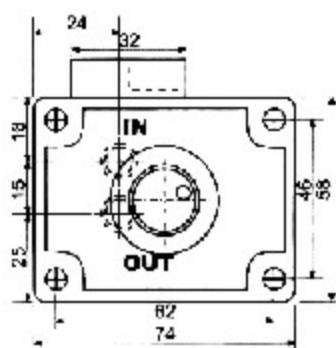
型式號碼 Model Numbers	最高使用壓力 Max. Pressure	流量調整範圍 Rate Adjusting	自由流量 Free Flow	重量 Weight
FKC-G02	70 kgf/cm ²	0.01~4L/min	20 L/min	1.18 kg
FKC-G03		0.01~8L/min	30 L/min	1.95 kg



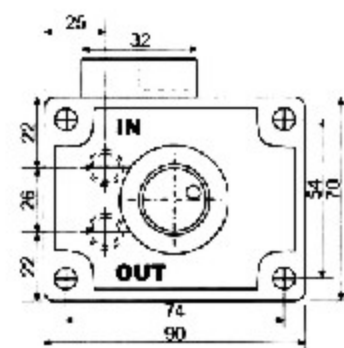
FKC-G02



FKC-G03



FKC-G02



FKC-G03



FKC-G02B



FKC-G03B

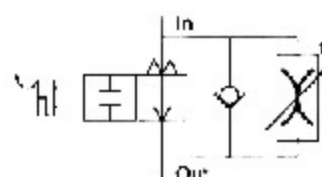
◆ HOW TO ORDER 編號說明

1	2	3
FKC	G02	L

1 VALVE SERIES 系列名稱

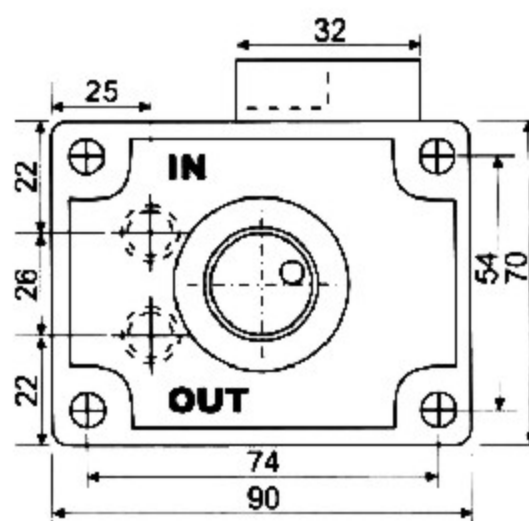
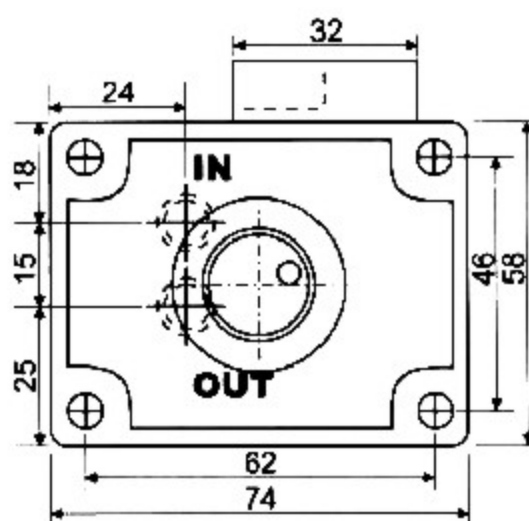
2 SUBPLATE MOUNTING SIZE: 插板口徑

3 DIRECTION: 方向
Rotational Direction 旋轉方向



◆ SPECIFICATIONS 規格

型式號碼 Model Number	最高使用壓力 Max. Pressure	流量調整範圍 Rate Adjusting	自由流量 Free Flow	重量 Weight
FKC-G02B	70 kgf/cm ²	0.01~4L/min	20 L/min	1.18 kg
FKC-G03B		0.01~8L/min	30 L/min	1.95 kg



PRESSURE COMPENSATION SOLCON VALVE

附壓力補償流量閥

VALVES



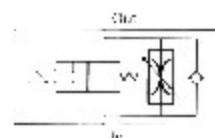
FSC-G02



FSC-G03

◆ HOW TO ORDER 編號說明

1	2
FSC	G03

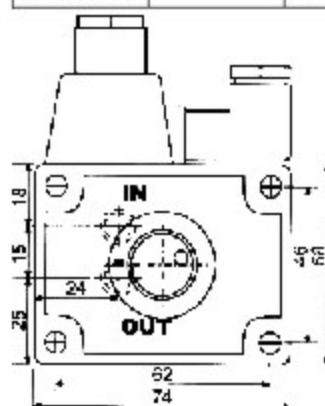


1 VALVE SERIES 系列名稱

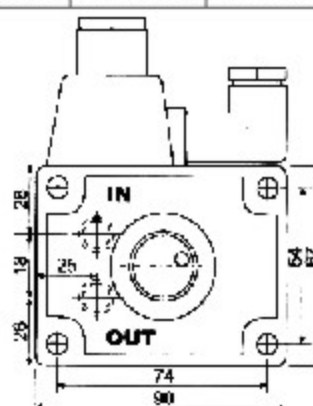
2 SUBPLATE MOUNTING SIZE: 插牌口徑

◆ SPECIFICATIONS 規格

型式號碼 Model Numbers	最高使用壓力 Max. Pressure	流量調整範圍 Rate Adjusting	自由流量 Free Flow	重量 Weight
FSC-G02	70 kgf/cm ²	0.01~4L/min	20~40L/min	1.92 kg
FSC-G03		0.01~8L/min	30~60L/min	2.62 kg



FSC-G02



FSC-G03

FLOW CONTROL VALVE

流量控制閥



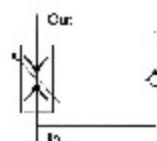
FNC-G02



FNC-G03

◆ HOW TO ORDER 編號說明

1	2
FNC	G02

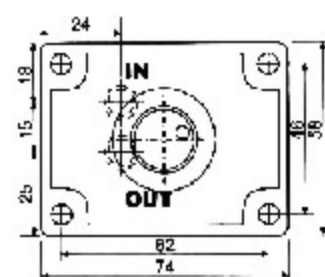


1 VALVE SERIES 系列名稱

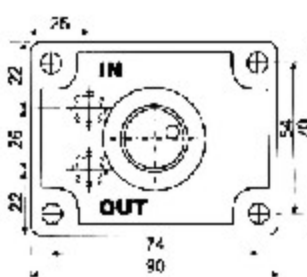
2 SUBPLATE MOUNTING SIZE: 插牌口徑

◆ SPECIFICATIONS 規格

型式號碼 Model Numbers	最高使用壓力 Max. Pressure	流量調整範圍 Rate Adjusting	自由流量 Free Flow	重量 Weight
FNC-G02	70 kgf/cm ²	0.01~4L/min	20L/min	1.22 kg
FNC-G03		0.01~8L/min	30L/min	1.88 kg



FNC-G02



FNC-G03

附壓力補償流量閥

Detail Literature Available. Please Contact **CHIA WANG** 詳細資料請洽：黃昭佳王連聖

MECHANICAL TYPE FLOW VALVE

機械式流量閥



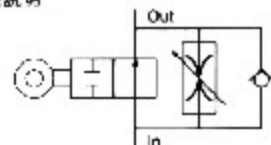
FYC-G02



FYC-G03

◆ HOW TO ORDER 編號說明

1	2
FYC	G02

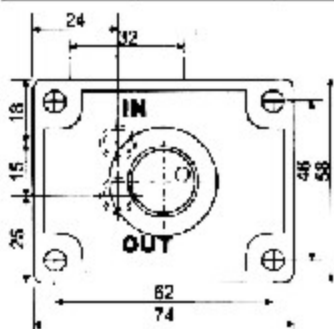


1 VALVE SERIES 系列名稱

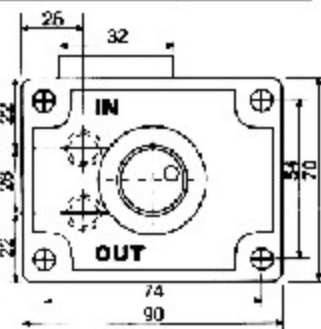
2 SUBPLATE MOUNTING SIZE: 插板口徑

◆ SPECIFICATIONS 規格

型式號碼 Model Numbers	最高使用壓力 Max. Pressure	流量調整範圍 Rate Adjusting	自由流量 Free Flow	重量 Weight
FYC-G02	70 kgf/cm ²	0.01~4L/min	20 L/min	1.20 kg
FYC-G03		0.01~8L/min	30 L/min	1.95 kg



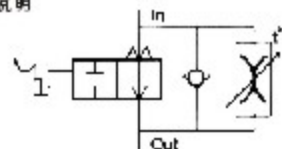
FYC-G02



FYC-G03

◆ HOW TO ORDER 編號說明

1	2
FKC	G02



1 VALVE SERIES 系列名稱

2 SUBPLATE MOUNTING SIZE: 插板口徑

◆ SPECIFICATIONS 規格

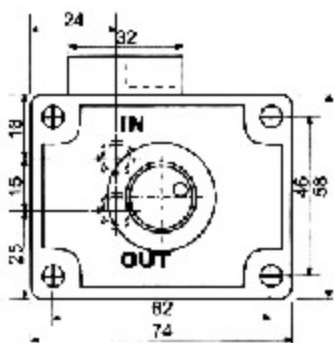
型式號碼 Model Numbers	最高使用壓力 Max. Pressure	流量調整範圍 Rate Adjusting	自由流量 Free Flow	重量 Weight
FKC-G02	70 kgf/cm ²	0.01~4L/min	20 L/min	1.18 kg
FKC-G03		0.01~8L/min	30 L/min	1.95 kg



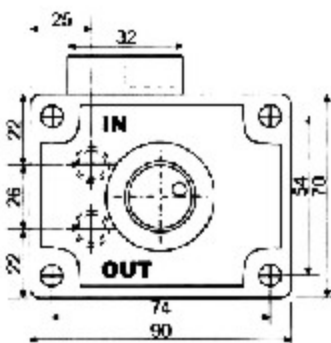
FKC-G02



FKC-G03



FKC-G02



FKC-G03