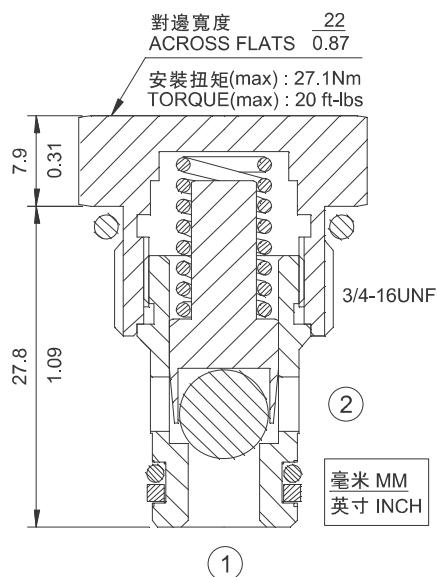




## CV08-20 單向閥 Check Valve



## 描述 DESCRIPTION

螺紋插裝式液壓單向閥，用作單向截止或負載保持設備。

A screw-in, cartridge-style, hydraulic check valve for use as a blocking or load-holding device.

## 工作原理 OPERATION

CV08-20 允許油液從 ① 流向 ②，同時截止油液反向流動。全導向

閥芯在復位彈簧壓力的作用下關閉閥口直到 ① 處壓力足夠大時打開 ②

The CV08-20 allows flow passage from ① to ②, while normally blocking oil flow in the opposite direction.

The cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at ① to open to ②.

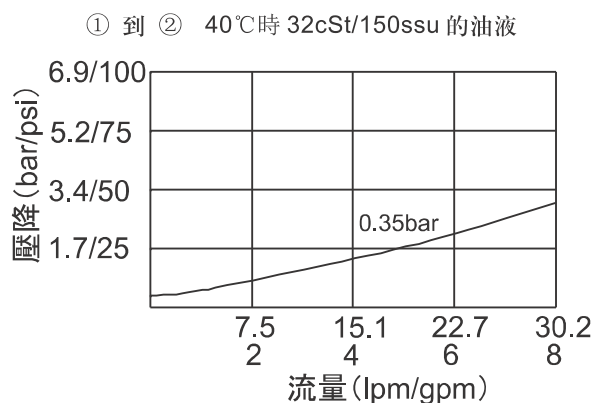
## 特性

## SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	30 L/min 8 gpm
內漏 LEAKAGE	≤ 0.1 ml/min (2 drops/min) at 240 bar (3500 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC08-2

## 性能（只針對插件）

## TYPICAL PERFORMANCE (Cartridge only)



## 訂貨型號

## HOW TO ORDER

CV08 - 20 -

密封材料  
Seal Material  
N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton

開啓壓力  
Cracking Pressure

05: 0.35 bar (5psi)

30: 2.1 bar (30psi)

50: 3.5 bar (50psi)

A

B

C

D

E

F

G

H

I

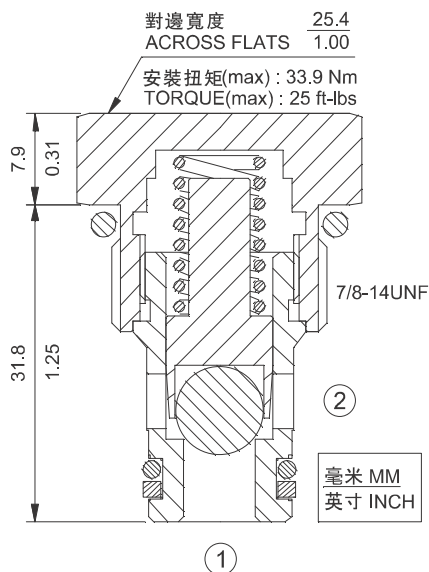
J

K

單向閥



## CV10-20 單向閥 Check Valve



## 描述 DESCRIPTION

螺紋插裝式液壓單向閥，用作單向截止或負載保持設備。

A screw-in, cartridge-style, hydraulic check valve for use as a blocking or load-holding device.

## 工作原理 OPERATION

**CV10-20** 允許油液從 ① 流向 ②，同時截止油液反向流動。全導向閥芯在復位彈簧壓力的作用下關閉閥口直到 ① 處壓力足夠大時打開②

The **CV10-20** allows flow passage from ① to ②, while normally blocking oil flow in the opposite direction.

The cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at ① to open to ②.

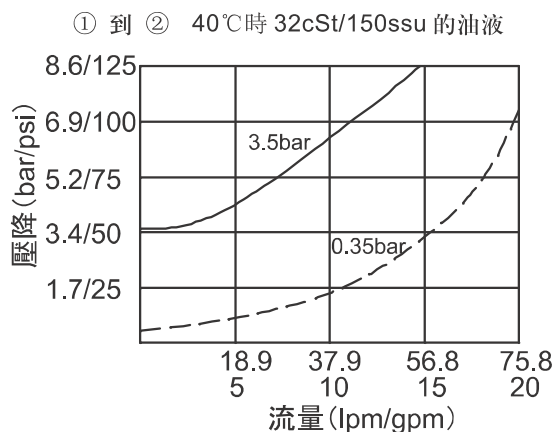
## 特性

## SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	57 L/min 15 gpm
內漏 LEAKAGE	≤ 0.1 ml/min (2 drops/min) at 240 bar (3500 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC10-2

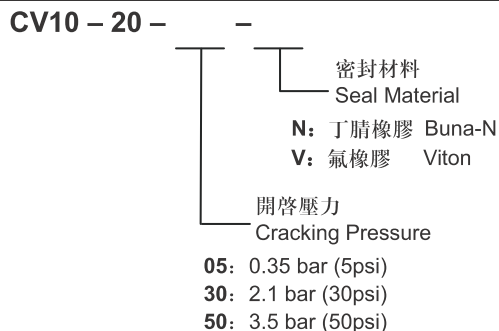
## 性能（只針對插件）

## TYPICAL PERFORMANCE (Cartridge only)



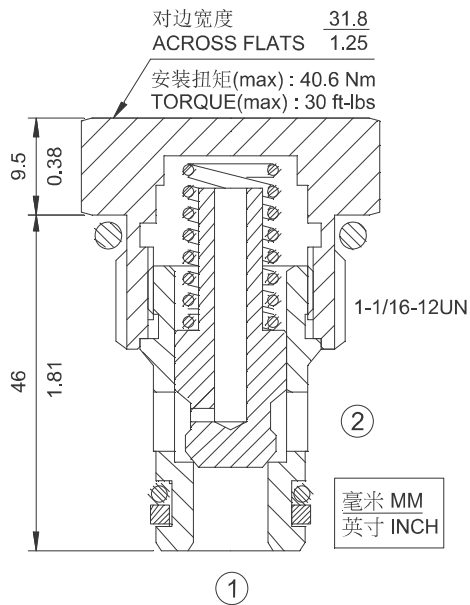
## 訂貨型號

## HOW TO ORDER





## CV12-20 單向閥 Check Valve



## 描述 DESCRIPTION

螺紋插裝式液壓單向閥，用作單向截止或負載保持設備。

A screw-in, cartridge-style, hydraulic check valve for use as a blocking or load-holding device.

## 工作原理 OPERATION

CV12-20 允許油液從 ① 流向 ②，同時截止油液反向流動。全導向閥芯在復位彈簧壓力的作用下關閉閥口直到 ① 處壓力足夠大時打開 ②

The CV12-20 allows flow passage from ① to ②, while normally blocking oil flow in the opposite direction.

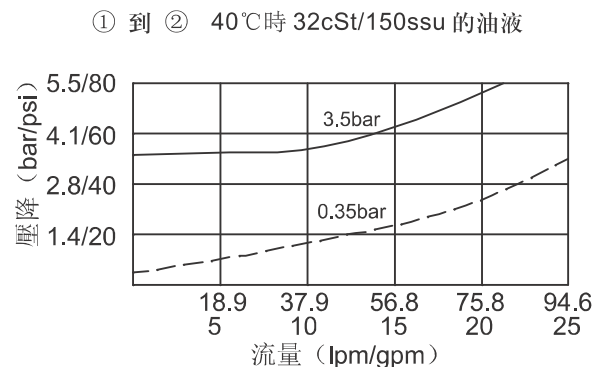
The cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at ① to open to ②.

特性  
SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	95 L/min 25 gpm
內漏 LEAKAGE	≤ 0.25 ml/min (5 drops/min) at 240 bar (3500 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC12-2

## 性能（只針對插件）

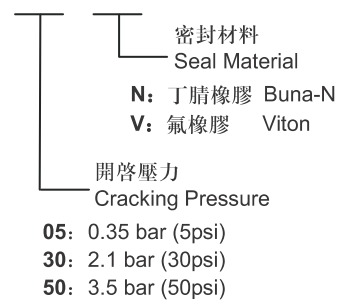
## TYPICAL PERFORMANCE (Cartridge only)



## 訂貨型號

## HOW TO ORDER

CV12 - 20 -



A

B

C

D

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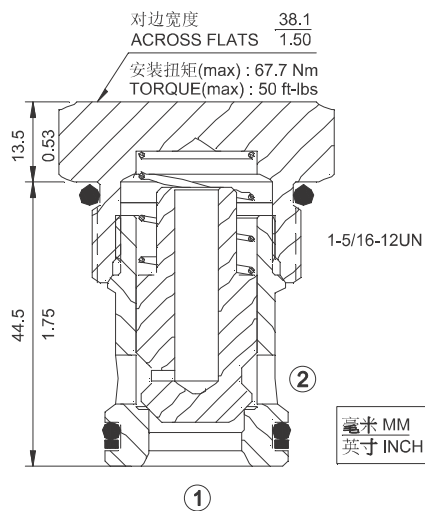
J

K

單向閥



## CV16-20 單向閥 Check Valve



## 描述 DESCRIPTION

螺紋插裝式液壓單向閥，用作單向截止或負載保持設備。

A screw-in, cartridge-style, hydraulic check valve for use as a blocking or load-holding device.

## 工作原理 OPERATION

**CV16-20** 允許油液從 ① 流向 ②，同時截止油液反向流動。全導向閥芯在復位彈簧壓力的作用下關閉閥口直到 ① 處壓力足夠大時打開 ②

The **CV16-20** allows flow passage from ① to ②, while normally blocking oil flow in the opposite direction.

The cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at ① to open to ②.

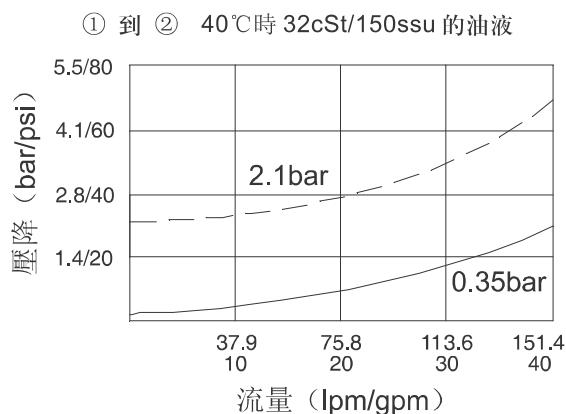
## 特性

## SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	151 L/min 40 gpm
內漏 LEAKAGE	≤ 0.25 ml/min (5 drops/min) at 240 bar (3500 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC16-2

## 性能（只針對插件）

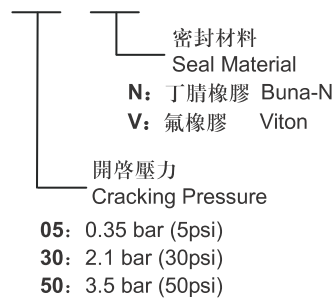
## TYPICAL PERFORMANCE (Cartridge only)



## 訂貨型號

## HOW TO ORDER

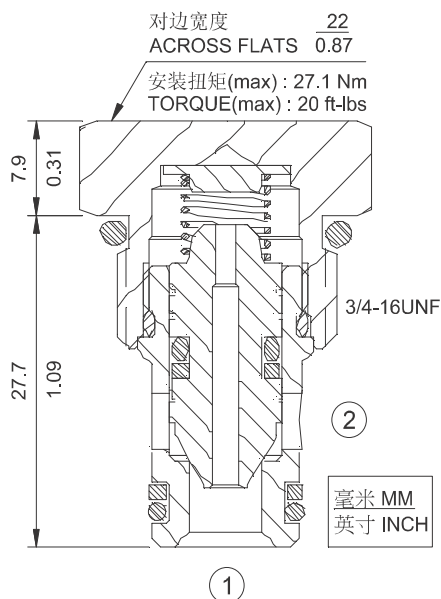
## CV16 - 20 -







## CV08-21 單向閥 Check Valve



## 描述 DESCRIPTION

螺紋插裝式液壓單向閥，用作單向截止或負載保持設備。

A screw-in, cartridge-style, hydraulic check valve for use as a blocking or load-holding device.

## 工作原理 OPERATION

CV08-21 允許油液從 ② 流向 ①，同時截止油液反向流動。全導向閥芯在復位彈簧壓力的作用下關閉閥口直到 ② 處壓力足夠大時打開 ①

The CV08-21 allows flow passage from ② to ①, while normally blocking oil flow in the opposite direction.

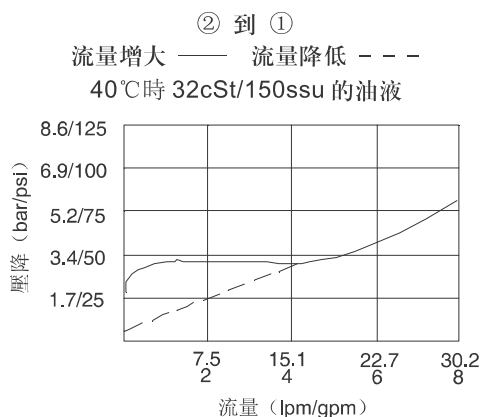
The cartridge has a fully guided poppet which is spring-biased closed until sufficient pressure is applied at ② to open to ①.

特性  
SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	30 L/min 8 gpm
內漏 LEAKAGE	≤ 0.25 ml/min (5 drops/min) at 240 bar (3500 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC08-2

## 性能（只針對插件）

## TYPICAL PERFORMANCE (Cartridge only)



## 訂貨型號

## HOW TO ORDER

CV08 - 21 - -

密封材料  
Seal Material  
N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton

開啓壓力  
Cracking Pressure  
30: 2.1 bar (30psi)

A

B

C

D

E

F

G

H

I

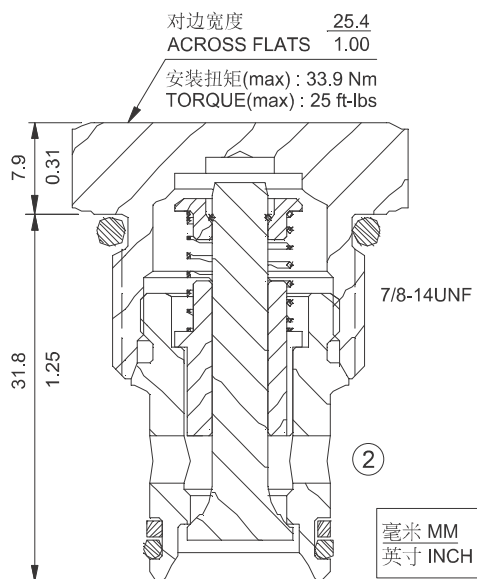
J

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單  
向  
閥



## CV10-21 單向閥 Check Valve



## 描述 DESCRIPTION

螺紋插裝式液壓單向閥，用作單向截止或負載保持設備。

A screw-in, cartridge-style, hydraulic check valve for use as a blocking or load-holding device.

## 工作原理 OPERATION

CV10-21 允許油液從 ② 流向 ①，同時截止油液反向流動。全導向閥芯在復位彈簧壓力的作用下關閉閥口直到 ② 處壓力足夠大時打開 ①。

The CV10-21 allows flow passage from ② to ①, while blocking flow from ① to ②. The cartridge has a fully guided check which is spring-biased closed until sufficient pressure is applied at ② to open to ①.

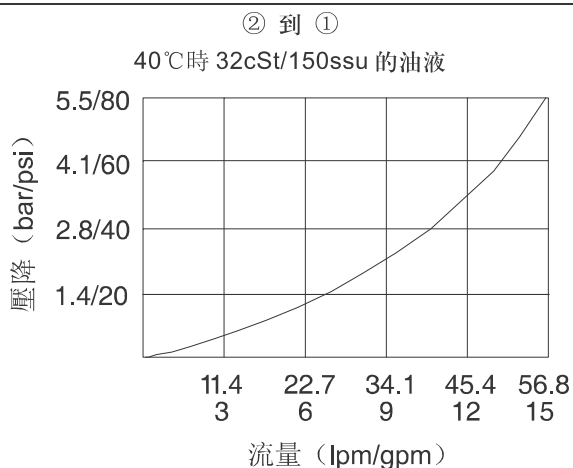
## 特性

## SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	56 L/min 15 gpm
內漏 LEAKAGE	≤ 0.25 ml/min (5 drops/min) at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC10-2

## 性能（只針對插件）

## TYPICAL PERFORMANCE (Cartridge only)



## 訂貨型號

## HOW TO ORDER

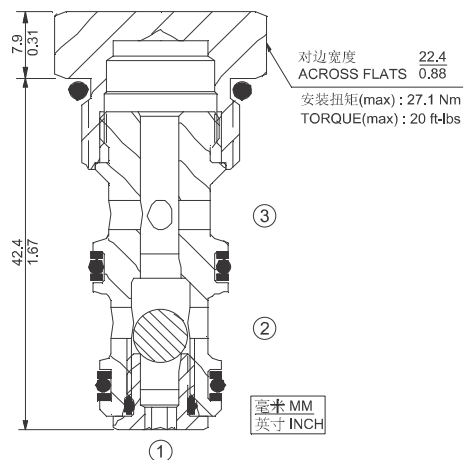
CV10 - 21 -

密封材料  
Seal Material  
N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton

開啓壓力  
Cracking Pressure  
05: 0.35 bar (5psi)  
30: 2.1 bar (30psi)  
50: 3.5 bar (50psi)



## LS08-30 球式梭閥 Load Shuttle Valve, Ball-Type



### 描述 DESCRIPTION

螺紋插裝式液壓梭閥，用于優先接通高壓油路的截止油路。

A load-shuttling, screw-in, cartridge-style hydraulic check valve, for use in blocking circuits where a priority of flow/direction is given to a higher pressure circuit over a lower one.

### 工作原理 OPERATION

**LS08-30** 允許油液從較高壓力油口 ① 或 ③ 流向油口 ②。該閥通常用來指引油液從雙向液壓馬達的高壓端流到壓力釋放液壓制動器。

The **LS08-30** will allow flow from the higher pressure of ① or ③ port to the ② port. The valve is commonly used to direct oil from the pressure side of a bidirectional hydraulic motor to a pressure-released hydraulic brake.

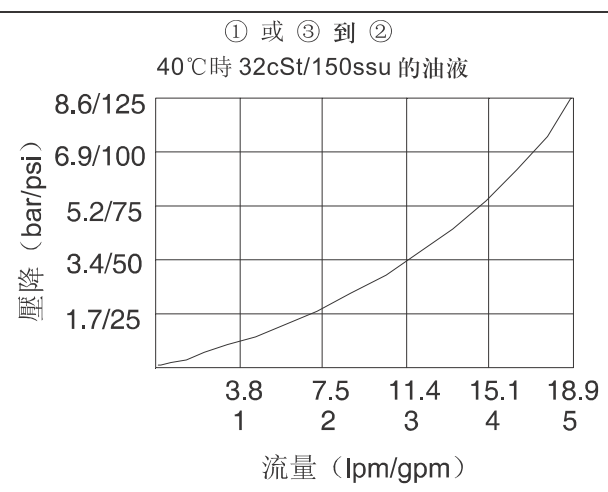
### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	56 L/min 15 gpm
內漏 LEAKAGE	≤ 0.25 ml/min (5 drops/min) at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC08-3

### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



### 訂貨型號

#### HOW TO ORDER

LS08 - 30 - 0 -

密封材料  
Seal Material  
N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton

A

B

C

D

E

F

G

H

I

J

K

球式梭閥



## LS10-30 球式梭閥 Load Shuttle Valve, Ball-Type

### 描述 DESCRIPTION

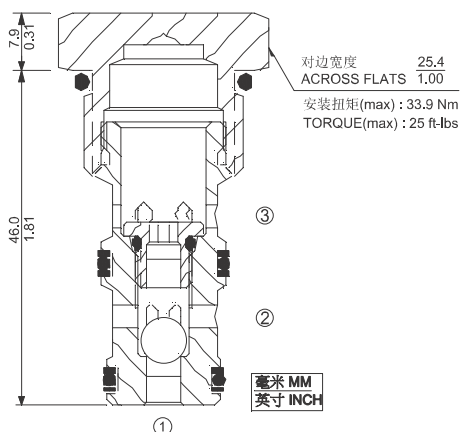
螺紋插裝式液壓梭閥，用于優先接通高壓油路的截止油路。

A load-shuttling, screw-in, cartridge-style hydraulic check valve, for use in blocking circuits where a priority of flow/direction is given to a higher pressure circuit over a lower one.

### 工作原理 OPERATION

LS10-30 允許油液從較高壓力油口 ① 或 ③ 流向油口 ②。該閥通常用來指引油液從雙向液壓馬達的高壓端流到壓力釋放液壓制動器。

The LS10-30 will allow flow from the higher pressure of ① or ③ port to the ② port. The valve is commonly used to direct oil from the pressure side of a bidirectional hydraulic motor to a pressure-released hydraulic brake.



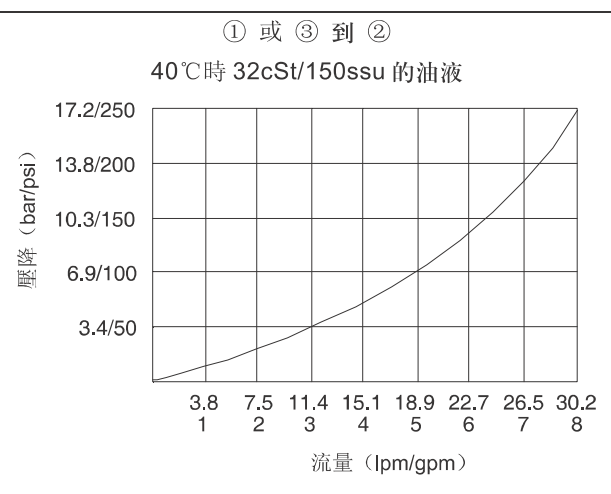
### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	56 L/min 15 gpm
內漏 LEAKAGE	≤ 0.25 ml/min (5 drops/min) at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC10-3

### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



### 訂貨型號

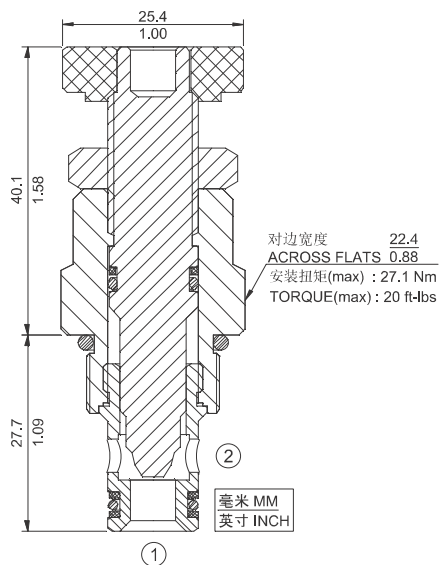
#### HOW TO ORDER

LS10 - 30 - 0 -

密封材料  
Seal Material  
N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton



## NV08-20 節流閥 Needle Valve



## 描述 DESCRIPTION

螺紋插裝式，可變節流孔，節流閥。

A screw-in, cartridge-style, variable orifice, hydraulic flow restrictor valve.

## 工作原理 OPERATION

NV08-20型，逆時針旋轉調節器時，可以使節流孔從完全鎖閉到完全打開。

The NV08-20 increases its orifice value from fully closed to fully open with counterclockwise adjustment rotation.

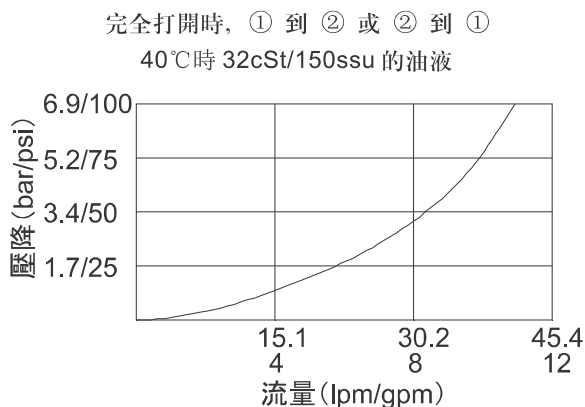
## 特性

## SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	38 L/min 10 gpm
內漏 LEAKAGE	≤ 0.25 ml/min (5 drops/min) at shut-off (關閉時)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC08-2

## 性能（只針對插件）

## TYPICAL PERFORMANCE (Cartridge only)



## 訂貨型號

## HOW TO ORDER

## NV08 - 20

- 密封材料  
Seal Material
- N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton
- 調節機構  
Adjusting Mechanism
- A: 1/4 寸內六角頭  
1/4 in. Hex Allen Head  
D: 頂部手柄，帶鎖緊螺帽  
Top Knob with Lock Nut

A

B

C

D

E

F

G

H

I

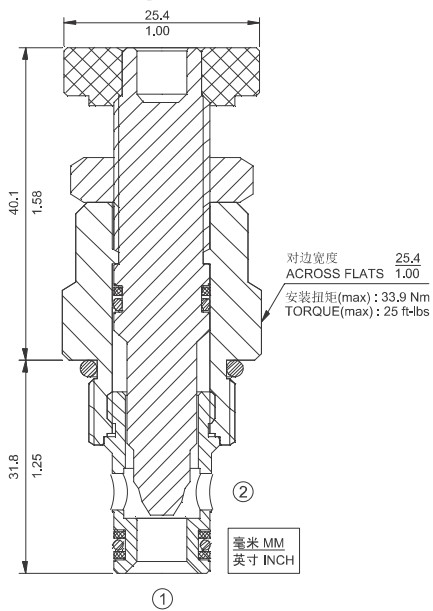
J

K

節流閥



## NV10-20 節流閥 Needle Valve



## 描述 DESCRIPTION

螺紋插裝式，可變節流孔，節流閥。

A screw-in, cartridge-style, variable orifice, hydraulic flow restrictor valve.

## 工作原理 OPERATION

NV10-20型，逆時針旋轉調節器時，可以使節流孔從完全鎖閉到完全打開。

The NV10-20 increases its orifice value from fully closed to fully open with counterclockwise adjustment rotation.

## 特性

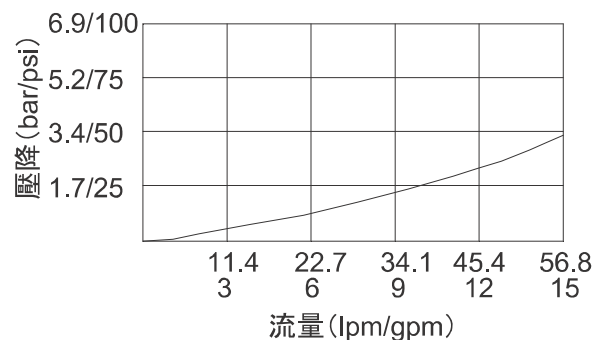
## SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	56 L/min 15 gpm
內漏 LEAKAGE	≤ 0.25 ml/min (5 drops/min) at shut-off (關閉時)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC10-2

## 性能（只針對插件）

## TYPICAL PERFORMANCE (Cartridge only)

完全打開時，① 到 ② 或 ② 到 ①  
40℃時 32cSt/150ssu 的油液



## 訂貨型號

## HOW TO ORDER

NV10 - 20 -

密封材料  
Seal Material

N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton

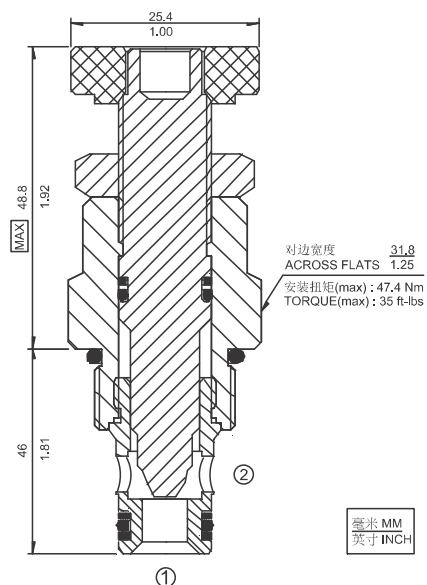
調節機構  
Adjusting Mechanism

A: 1/4 寸內六角頭  
1/4 in. Hex Allen Head

D: 頂部手柄，帶鎖緊螺帽  
Top Knob with Lock Nut



## NV12-20 節流閥 Needle Valve



## 描述 DESCRIPTION

螺紋插裝式，可變節流孔，節流閥。

A screw-in, cartridge-style, variable orifice, hydraulic flow restrictor valve.

## 工作原理 OPERATION

NV12-20型，逆時針旋轉調節器時，可以使節流孔從完全鎖閉到完全打開。

The NV12-20 increases its orifice value from fully closed to fully open with counterclockwise adjustment rotation.

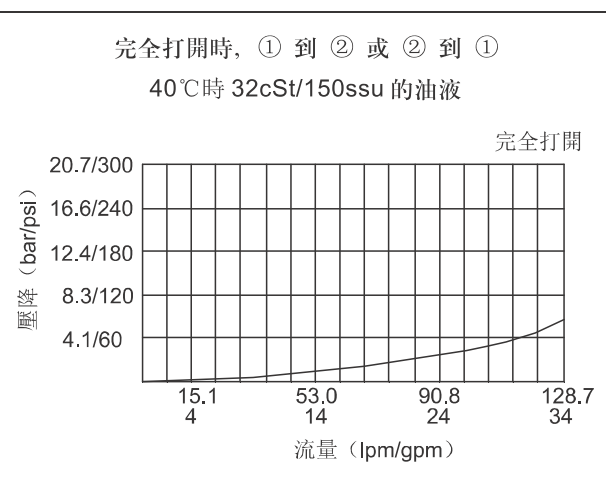
## 特性

## SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	129 L/min 34 gpm
內漏 LEAKAGE	≤ 0.15 ml/min (3 drops/min) at shut-off (關閉時)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC12-2

## 性能（只針對插件）

## TYPICAL PERFORMANCE (Cartridge only)



## 訂貨型號

## HOW TO ORDER

NV12 - 20	-
密封材料 Seal Material	
N: 丁腈橡膠 Buna-N	
V: 氟橡膠 Viton	
調節機構 Adjusting Mechanism	
A: 1/4 寸內六角頭 1/4 in. Hex Allen Head	
D: 頂部手柄，帶鎖緊螺帽 Top Knob with Lock Nut	

A

B

C

D

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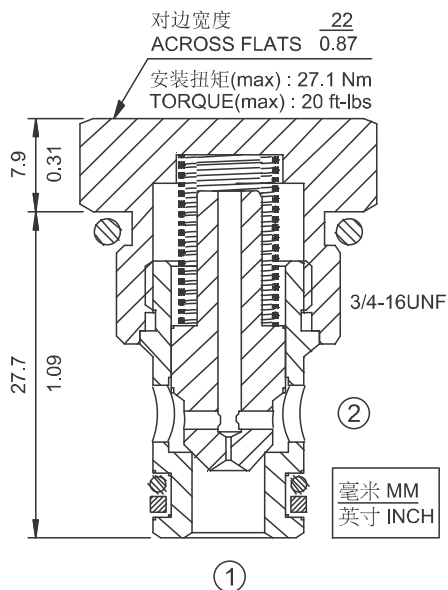
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K

節流閥



## FC08-20F 單向節流閥 Flow Control, Orifice Check



## 描述 DESCRIPTION

螺紋插裝式單向節流閥。

A screw-in, cartridge-style, restrictor check valve.

## 工作原理 OPERATION

FC08-20F型，油液從②流向①方向有截流限制；作為單向閥，可讓油液從

①自由流向②。

The FC08-20F acts as a restrictor in the ② to ① direction. As a check valve, it provides free flow from ① to ②.

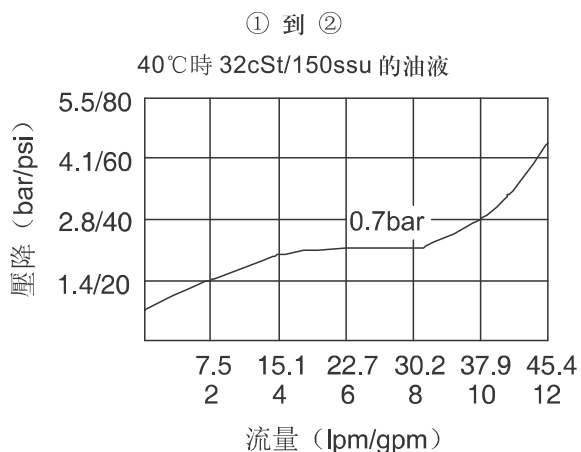
## 特性

## SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	45 L/min 12 gpm
內漏 LEAKAGE	無此項指標 Not applicable
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30°C ~ +100°C BUNA-N -20°F ~ +210°F 氟橡膠 -20°C ~ +150°C VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC08-2

## 性能（只針對插件）

## TYPICAL PERFORMANCE (Cartridge only)



## 訂貨型號

## HOW TO ORDER

FC08 - 20F -	-	-	復位彈簧力 Bias Spring 10: 0.7bar(10psi)
密封材料 Seal Material	06: Ø 0.6mm 07: Ø 0.6mm 08: Ø 0.6mm 09: Ø 0.6mm 10: Ø 0.6mm	11: Ø 0.6mm 12: Ø 0.6mm 13: Ø 0.6mm 14: Ø 0.6mm	節流孔大小 Orifice Size
N: 丁腈橡膠 Buna-N V: 氟橡膠 Viton			





## FR10-39 壓力補償節流閥 Flow Regulator, Pressure Compensated Valve

### 描述 DESCRIPTION

螺紋插裝式，節流孔可調，壓力補償，手動操作旁通型流量調節閥。可以用作優先型流量調節閥或當封閉旁路油口②時可以用作二通節流型流量調節閥。

A screw-in, cartridge-style, adjustable orifice, pressure-compensated, manually-operated, bypass-type hydraulic flow regulating valve. It can be used as a priority-type flow regulator or a restrictive-type 2-way flow regulator when the bypass port (port ②) is blocked.

### 工作原理 OPERATION

**FR10-39**型，從③流出的流量保持不變，不受③的下游回路或旁路②的負載壓力變化影響。反向液流（③流向①）不經過控制節流孔。逆時針轉動手柄，調節流量從閉合到完全打開時逐漸增加。

The **FR10-39** maintains a constant flow rate from ③ regardless of load pressure changes in the system downstream of ③, or in the bypass leg at ②. Reverse flow (③ to ①) bypasses the control orifice. The regulated flow increases from closed to fully open, with counter-clockwise rotation of the knob.

注：當用作旁路流量控制而且優先油口由其他的鎖封閉時，除非優先油口有小量泄漏，否則旁路壓降將增加。請聯系工廠。

**Note:** When used as a bypass flow control in applications where the priority flow port will be blocked by external valving, bypass pressure drop will increase unless a small amount of leakage is provided for the priority port. Consult factory.

### 特性

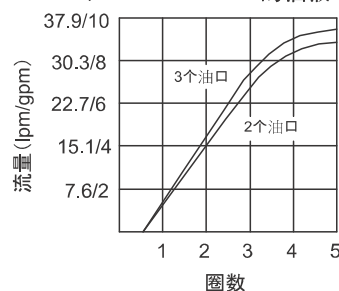
### SPECIFICATIONS

### 性能（只針對插件）

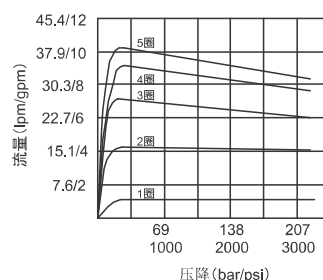
### TYPICAL PERFORMANCE (Cartridge only)

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	三油口 (3-ported): 38 L/min (10 gpm) 兩油口 (2-ported): 34 L/min (9 gpm)
內漏 LEAKAGE	≤ 33 ml/min at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC10-3

調節流量與圈數  
油口③ 103 bar / 1500 psi 輸入壓力  
兩個油口: 123 bar / 1800 psi 進油壓力  
三個油口: 進油流量 38 lpm / 10 gpm  
40℃時 32cSt / 150ssu 的油液



兩個油口  
進油 240 bar / 3500 psi 時的調節流量與壓力  
40℃時 32cSt / 150ssu 的油液



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節流閥



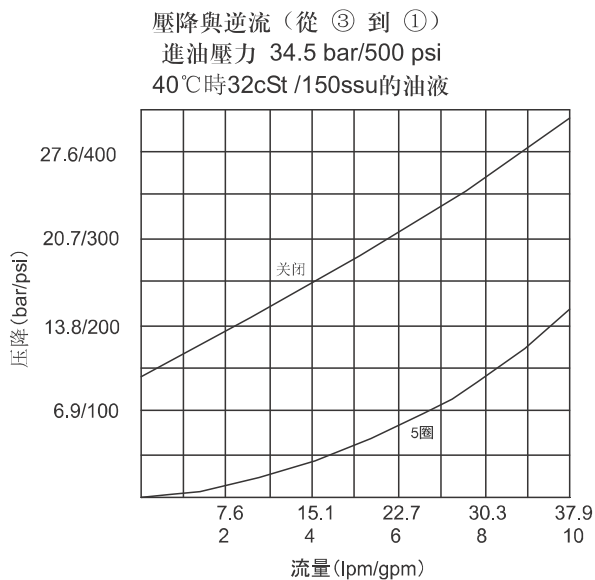
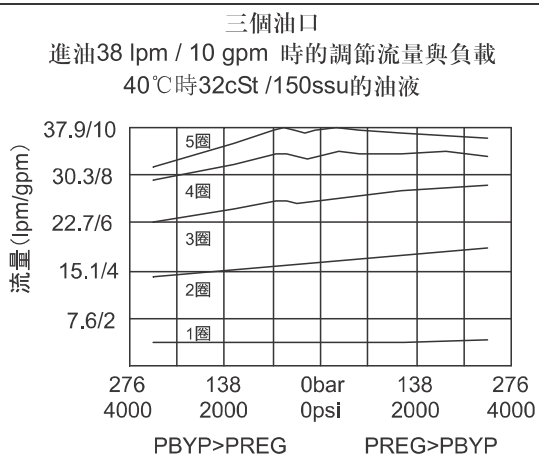
## FR10-39 壓力補償節流閥 Flow Regulator, Pressure Compensated Valve

性能（只針對插件）

TYPICAL PERFORMANCE (Cartridge only)

訂貨型號

HOW TO ORDER



FR10 - 39 -

密封材料  
Seal Material

N: 丁腈橡膠 Buna-N

V: 氟橡膠 Viton

調節機構  
Adjusting Mechanism

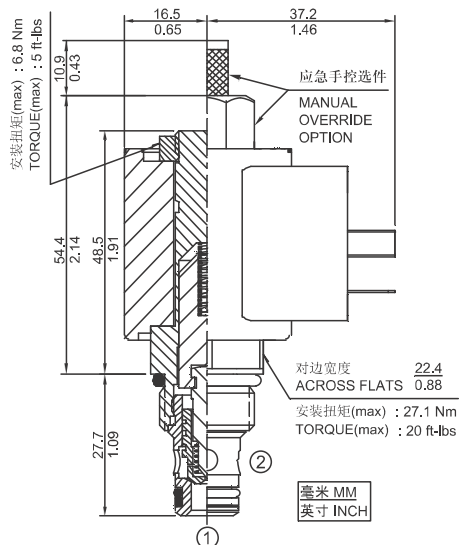
A: 4毫米內六角頭  
4mm Hex Allen Head

E: 頂部手柄，帶鎖緊螺帽  
Top Knob with Lock Nut



# SV08-20 兩通常閉式錐閥

## SV08-20 兩通常閉式錐閥 2-Way, Normally Closed ,Poppet



### 描述 DESCRIPTION

電磁驅動、2 通常閉、導控座閥式、液壓螺紋插裝閥，用作低流量油路中的截止或負載保持設備。

A solenoid-operated, 2-way, normally closed, piloted poppet-type, screw-in hydraulic cartridge valve, intended to act as a blocking or load-holding device for low flow circuits.

### 工作原理 OPERATION

斷電時，SV08-20用作單向閥，允許油液從①流向②，同時截止油液從②流向①。通電后，插裝閥的閥芯提升，從而打開從②流向①的油液通道。在此工況下，油液從①流向②的流動將受到巨大限制。

When de-energized, the SV08-20 acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①.

When energized, the cartridge's poppet lifts to open the ② to ① flow path. In this mode, flow from ① to ② is severely restricted.

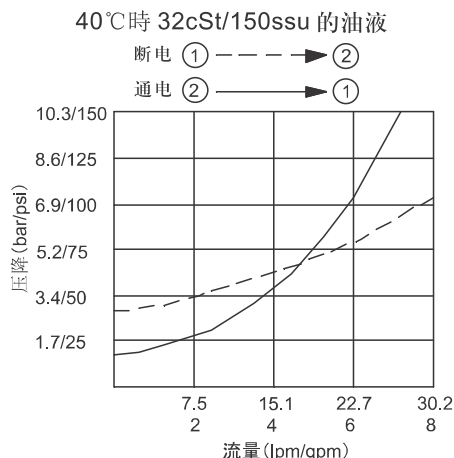
### 特性

#### SPECIFICATIONS

### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	23 L/min 6 gpm
內漏 LEAKAGE	≤ 0.15 ml/min (3 drops/min) at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC08-2



### 訂貨型號

#### HOW TO ORDER

### SV08-20

#### 選項 Option

無 None

S: 150μ 過濾網  
150μ Screen

M: 應急手控  
Manual Override

#### 密封材料

Seal Material

N: 丁腈橡膠 Buna-N

V: 氟橡膠 Viton

#### 線圈終端

Coil Termination

DG: DIN43650

DL: 導線 Leadwires

DR: Deutsch DT04-2P

AG: DIN43650

AP: 1/2 英寸導線管

1/2 in. Conduit

#### 線圈電壓

Coil Voltage

0: 無線圈

12: DC 12V

24: DC 24V

115: AC 115V

230: AC 230V

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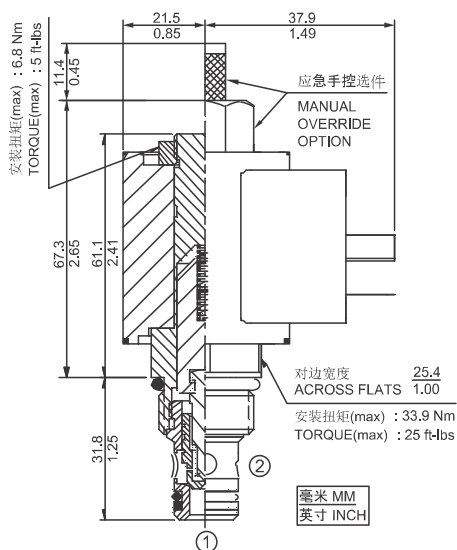
K

錐閥



## SV10-20 兩通常閉式錐閥

### SV10-20 兩通常閉式錐閥 2-Way, Normally Closed ,Poppet



#### 描述 DESCRIPTION

電磁驅動、2 通常閉、導控座閥式、液壓螺紋插裝閥，在要求低內部泄漏的應用中用作負載保持閥或截止閥。

A solenoid-operated, 2-way, normally closed, piloted poppet-type, screw-in hydraulic cartridge valve, designed to function as a load holding or blocking valve in applications requiring low internal leakage.

#### 工作原理 OPERATION

斷電時，SV10-20 用作單向閥，允許油液從①流向②，同時截止油液從②流向①。通電后，插裝閥的閥芯提升，從而打開從②流向①的油液通道。在此工况下，油液從①流向②的流動將受到巨大限制。

When de-energized, the SV10-20 acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①.

When energized, the cartridge's poppet lifts to open the ② to ① flow path. In this mode, flow from ① to ② is severely restricted.

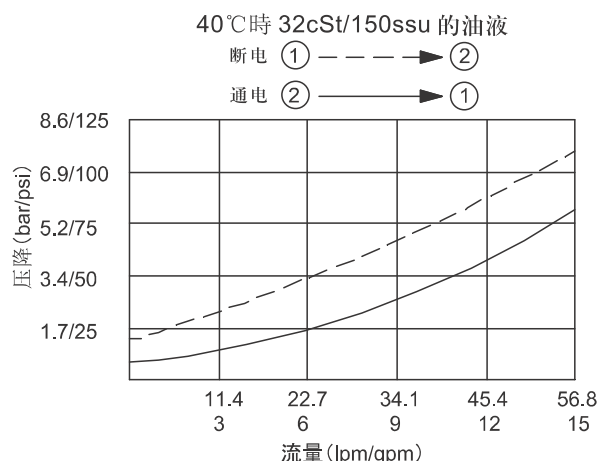
#### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	45 L/min 12 gpm
內漏 LEAKAGE	≤ 0.15 ml/min (3 drops/min) at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC10-2

#### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



#### 訂貨型號

#### HOW TO ORDER

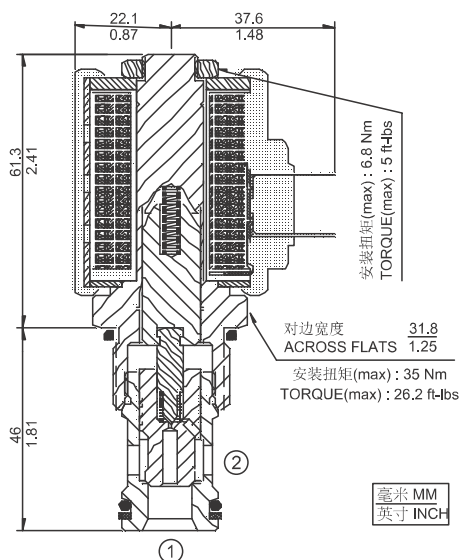
#### SV10 - 20

選項 Option	線圈終端 Coil Termination
無 None	DG: DIN43650
S: 150μ 過濾網 150μ Screen	DL: 導線 Leadwires
M: 應急手控 Manual Override	DR: Deutsch DT04-2P
	AG: DIN43650
	AP: 1/2 英寸導線管 1/2 in. Conduit
	線圈電壓 Coil Voltage
	0: 無線圈
	12: DC 12V
	24: DC 24V
	115: AC 115V
	230: AC 230V
密封材料 Seal Material	
N: 丁腈橡膠 Buna-N	
V: 氟橡膠 Viton	



# SV12-20 兩通常閉式錐閥

## SV12-20 兩通常閉式錐閥 2-Way, Normally Closed ,Poppet



### 描述 DESCRIPTION

電磁驅動、2 通常閉、導控座閥式、液壓螺紋插裝閥，在要求低內部泄漏的應用中用作負載保持閥或截止閥。

A solenoid-operated, 2-way, normally closed, piloted poppet-type, screw-in hydraulic cartridge valve, designed to function as a load holding or blocking valve in applications requiring low internal leakage.

### 工作原理 OPERATION

斷電時，SV12-20用作單向閥，允許油液從①流向②，同時截止油液從②流向①。通電后，插裝閥的閥芯提升，從而打開從②流向①的油液通道。在此工况下，油液從①流向②的流動將受到巨大限制。

When de-energized, the SV12-20 acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①.

When energized, the cartridge's poppet lifts to open the ② to ① flow path. In this mode, flow from ① to ② is severely restricted.

### 特性

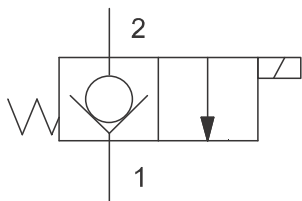
#### SPECIFICATIONS

### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)

### 符號

#### SYMBOL



### 工作壓力

#### PRESSURE

240 bar

3500 psi

### 流量

#### FLOW

114 L/min

30 gpm

### 內漏

#### LEAKAGE

≤ 0.15 ml/min (3 drops/min)  
at 240 bar (3500 psi)

### 密封材料/溫度範圍

#### SEAL MATERIAL/ TEMPERATURE

丁腈橡膠 -30℃ ~ +100℃

BUNA-N -20°F ~ +210°F

氟橡膠 -20℃ ~ +150℃

VITON -4°F ~ +330°F

### 線圈額定負載

#### COIL DUTY RATING

可在85%至115%的額定電壓範圍內連續工作  
CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE

### 過濾

#### FILTRATION

≤ 25 MICRONS

### 介質

#### FLUID

礦物油或具有潤滑作用的合成油  
MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES

### 粘度

#### VISCOSITY

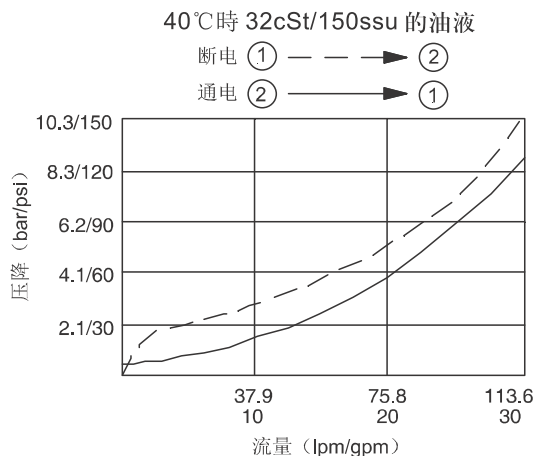
10.8~420 cSt

50~2000 ssu

### 閥孔

#### CAVITY

VC12-2



### 訂貨型號

#### HOW TO ORDER

### SV12 - 20

#### 選項 Option

無 None

S: 150μ 過濾網

150μ Screen

M: 應急手控

Manual Override

#### 密封材料

Seal Material

N: 丁腈橡膠 Buna-N

V: 氟橡膠 Viton

#### 線圈終端

Coil Termination

DG: DIN43650

DL: 導線 Leadwires

DR: Deutsch DT04-2P

AG: DIN43650

AP: 1/2 英寸導線管

1/2 in. Conduit

#### 線圈電壓

Coil Voltage

0: 無線圈

12: DC 12V

24: DC 24V

115: AC 115V

230: AC 230V

A

B

C

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錐閥



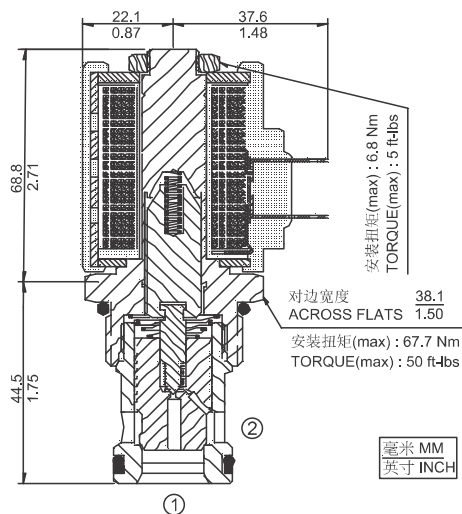
## 描述 DESCRIPTION

A solenoid-operated, 2-way, normally closed, piloted poppet-type, screw-in hydraulic cartridge valve, designed to function as a load holding or blocking valve in applications requiring low internal leakage.

## 工作原理 OPERATION

When de-energized, the **SV16-20** acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①.

When energized, the cartridge's poppet lifts to open the ② to ① flow path. In this mode, flow from ① to ② is severely restricted.



### 特性

## SPECIFICATIONS

### 性能（只針對插件）

### TYPICAL PERFORMANCE (Cartridge only)

40℃時 32cSt/150ssu 的油液

断电 ① — — — — — ②

通电 ② ————— ①

流量 (lpm/gpm)	压力降 (bar/psi) - 断电 (①)	压力降 (bar/psi) - 通电 (②)
10 (37.9)	3.5 (50)	2.5 (35)
20 (75.8)	4.1 (60)	4.1 (60)
30 (113.6)	5.5 (75)	6.5 (90)
40 (151.4)	7.5 (105)	10.3 (150)

## 訂貨型號

## HOW TO ORDER

The diagram shows a central cable assembly labeled **SV16 – 20**. Five lines branch out from the main assembly to different option categories:

- 選項 Option**: Includes **無 None** and **S: 150μ 過濾網 150μ Screen**.
- M: 應急手控 Manual Override**
- 密封材料 Seal Material**: Includes **N: 丁腈橡膠 Buna-N** and **V: 氟橡膠 Viton**.
- 線圈終端 Coil Termination**: Includes **DG: DIN43650** and **DL: 導線 Leadwires**.
- 線圈電壓 Coil Voltage**: Includes **DR: Deutsch DT04-2P**, **AG: DIN43650**, and **AP: 1/2 英寸導線管 1/2 in. Conduit**.

At the bottom, a list of coil voltages is provided:

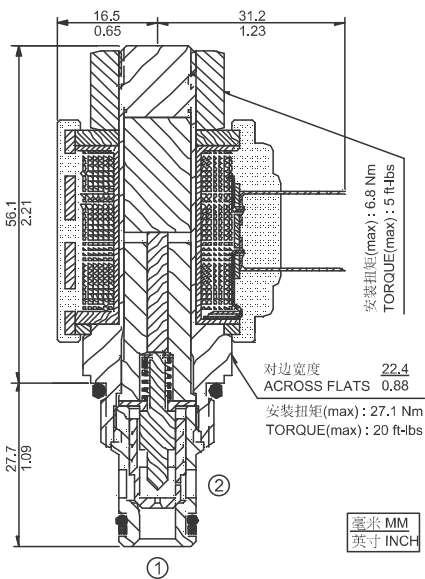
- 0: 無線圈**
- 12: DC 12V**
- 24: DC 24V**
- 115: AC 115V**
- 230: AC 230V**





# SV08-21 兩通常開式錐閥

## SV08-21 兩通常開式錐閥 2-Way, Normally Open ,Poppet



### 描述 DESCRIPTION

電磁驅動、2 通常開、導控座閥式、液壓螺紋插裝閥，用于要求低泄漏的負載保持應用。

A solenoid-operated, 2-way, normally open, piloted poppet-type, screw-in hydraulic cartridge valve designed for low leakage in load-holding applications.

### 工作原理 OPERATION

斷電時，SV08-21 允許油液從②流向①，在此工况下，油液從①流向②的流動將受到巨大限制。

通電后，閥芯關閉閥座，從而截止油液從②流向①。在此工况下，在①口的壓力克服電磁力（所需壓力為3.4至10.3 bar [ 50至150 psi ]）后，插裝閥允許油液從①流向②。

When de-energized, the SV08-21 allows flow from ② to ①. Flow from ① to ② is severely restricted in this mode.

When energized, the valve's poppet closes on its seat, blocking flow from ② to ①. In this mode the cartridge will allow ① to ② flow after overcoming the solenoid force (requires 3.4 to 10.3 bar [ 50 to 150 psi ]).

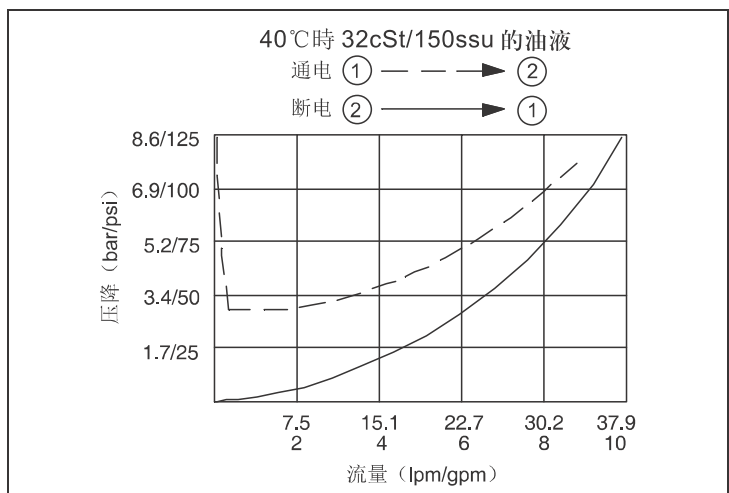
### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	30 L/min 8 gpm
內漏 LEAKAGE	≤ 0.15 ml/min ( 3 drops/min ) at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC08-2

### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



### 訂貨型號

#### HOW TO ORDER

#### SV08 - 21

選項 Option  
無 None

S: 150μ 過濾網  
150μ Screen

密封材料  
Seal Material  
N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton

線圈終端  
Coil Termination

DG: DIN43650

DL: 導線 Leadwires

DR: Deutsch DT04-2P

AG: DIN43650

AP: 1/2 英寸導線管  
1/2 in. Conduit

線圈電壓  
Coil Voltage

0: 無線圈

12: DC 12V

24: DC 24V

115: AC 115V

230: AC 230V

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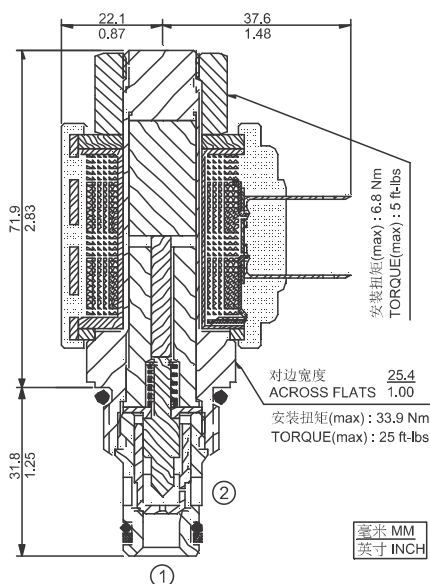
K

錐閥



## SV10-21 兩通常開式錐閥

### SV10-21 兩通常開式錐閥 2-Way, Normally Open, Poppet



#### 描述 DESCRIPTION

電磁驅動、2 通常開、導控座閥式、液壓螺紋插裝閥，用于要求低泄漏的負載保持應用。

A solenoid-operated, 2-way, normally open, piloted poppet-type, screw-in hydraulic cartridge valve designed for low leakage in load-holding applications.

#### 工作原理 OPERATION

斷電時，SV10-21允許油液從②流向①，在此工况下，油液從①流向②的流動將受到巨大限制。

通電后，閥芯關閉閥座，從而截止油液從②流向①。在此工况下，在①口的壓力克服電磁力（所需壓力為3.4至10.3 bar [ 50至150 psi ]）后，插裝閥允許油液從①流向②。

When de-energized, the SV10-21 allows flow from ② to ①. Flow from ① to ② is severely restricted in this mode.

When energized, the valve's poppet closes on its seat, blocking flow from ② to ①. In this mode the cartridge will allow ① to ② flow after overcoming the solenoid force (requires 3.4 to 10.3 bar [ 50 to 150 psi ]).

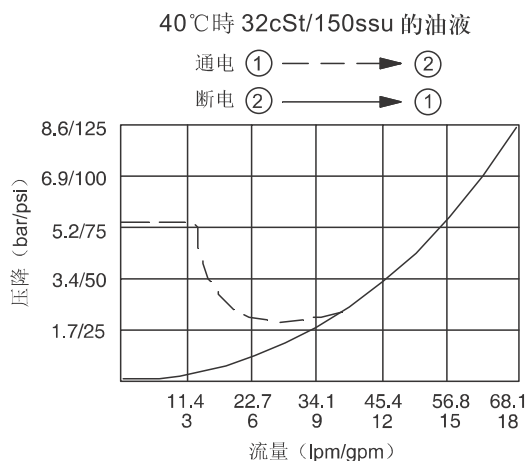
#### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	57 L/min 15 gpm
內漏 LEAKAGE	≤ 0.15 ml/min (3 drops/min) at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC10-2

#### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



#### 訂貨型號

#### HOW TO ORDER

#### SV10 - 21

選項 Option  
無 None

S: 150μ 過濾網  
150μ Screen

密封材料

Seal Material

N: 丁腈橡膠 Buna-N

V: 氟橡膠 Viton

線圈終端

Coil Termination

DG: DIN43650

DL: 導線 Leadwires

DR: Deutsch DT04-2P

AG: DIN43650

AP: 1/2 英寸導線管

1/2 in. Conduit

線圈電壓

Coil Voltage

0: 無線圈

12: DC 12V

24: DC 24V

115: AC 115V

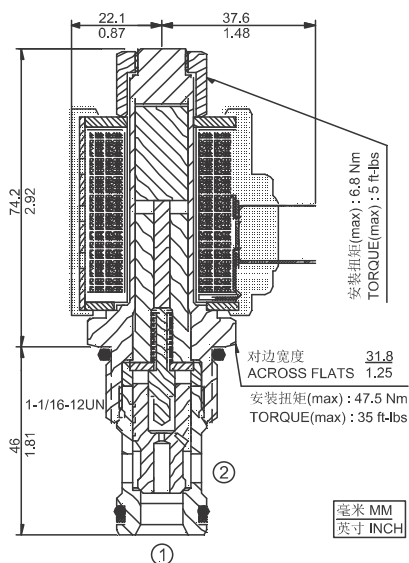
230: AC 230V





## SV12-21 兩通常開式錐閥

### SV12-21 兩通常開式錐閥 2-Way, Normally Open, Poppet



#### 描述 DESCRIPTION

電磁驅動、2 通常開、座閥式、液壓螺紋插裝閥，在要求低內部泄漏的應用中用作截止閥或負載保持閥。

A solenoid-operated, 2-way, normally open, poppet-type, screw-in hydraulic cartridge valve, designed to function as a load holding or blocking valve in applications requiring low internal leakage.

#### 工作原理 OPERATION

斷電時，SV12-21 允許油液從②流向①，在此工况下，油液從①流向②的流動將受到巨大限制。

通電后，閥芯關閉閥座，從而截止油液從②流向①。在此工况下，在①口的壓力克服電磁力（所需壓力為3.4至10.3 bar [50至150 psi]）后，插裝閥允許油液從①流向②。

When de-energized, the SV12-21 allows flow from ② to ①. Flow from ① to ② is severely restricted in this mode.

When energized, the valve's poppet closes on its seat, blocking flow from ② to ①. In this mode the cartridge will allow ① to ② flow after overcoming the solenoid force (requires 3.4 to 10.3 bar [50 to 150 psi]).

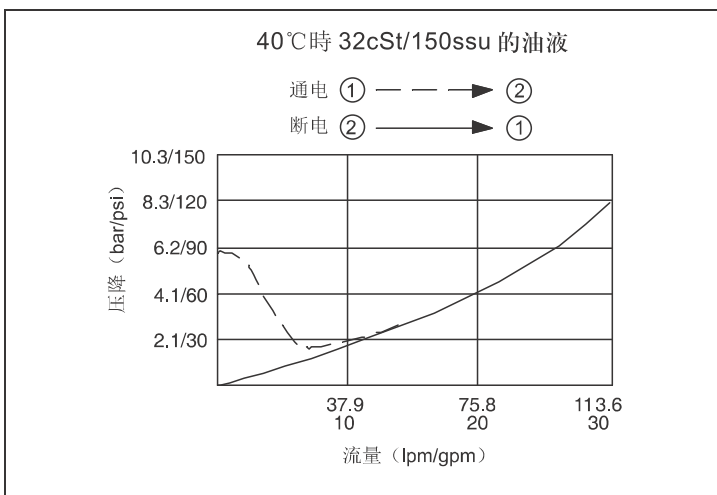
#### 特性

##### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	114 L/min 30 gpm
內漏 LEAKAGE	≤ 0.15 ml/min (3 drops/min) at 240 bar (3500 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30°C ~ +100°C BUNA-N -20°F ~ +210°F 氟橡膠 -20°C ~ +150°C VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC12-2

#### 性能（只針對插件）

##### TYPICAL PERFORMANCE (Cartridge only)



#### 訂貨型號

##### HOW TO ORDER

#### SV12-21

選項 Option  
無 None

S: 150μ 過濾網  
150μ Screen

密封材料  
Seal Material

N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton

線圈電壓  
Coil Voltage

0: 無線圈  
12: DC 12V  
24: DC 24V  
115: AC 115V  
230: AC 230V

線圈終端  
Coil Termination

DG: DIN43650  
DL: 導線 Leadwires  
DR: Deutsch DT04-2P  
AG: DIN43650  
AP: 1/2 英寸導線管  
1/2 in. Conduit

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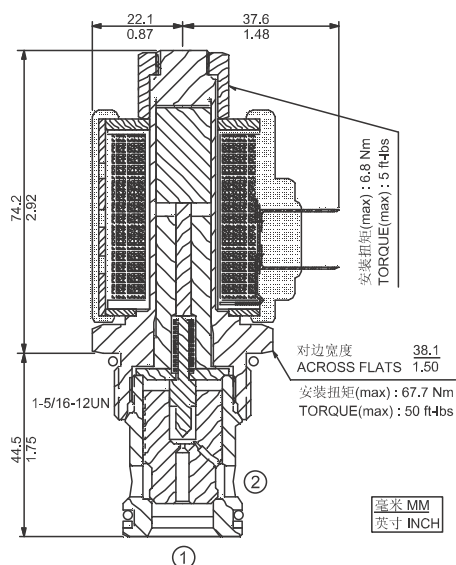
K

錐閥



## SV16-21 兩通常開式錐閥

### SV16-21 兩通常開式錐閥 2-Way, Normally Open, Poppet



#### 描述 DESCRIPTION

電磁驅動、2 通常開、座閥式、液壓螺紋插裝閥，在要求低內部泄漏的應用中用作截止閥或負載保持閥。

A solenoid-operated, 2-way, normally open, poppet-type, screw-in hydraulic cartridge valve, designed to function as a load holding or blocking valve in applications requiring low internal leakage.

#### 工作原理 OPERATION

斷電時，SV16-21 允許油液從②流向①，在此工况下，油液從①流向②的流動將受到巨大限制。

通電后，閥芯關閉閥座，從而截止油液從②流向①。在此工况下，在①口的壓力克服電磁力（所需壓力為3.4至10.3 bar [50至150 psi]）后，插裝閥允許油液從①流向②。

When de-energized, the SV16-21 allows flow from ② to ①. Flow from ① to ② is severely restricted in this mode.

When energized, the valve's poppet closes on its seat, blocking flow from ② to ①. In this mode the cartridge will allow ① to ② flow after overcoming the solenoid force (requires 3.4 to 10.3 bar [50 to 150 psi]).

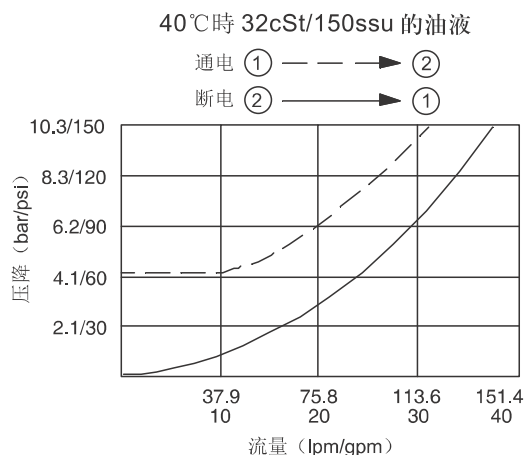
#### 特性

##### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	132 L/min 35 gpm
內漏 LEAKAGE	≤ 0.15 ml/min (3 drops/min) at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC16-2

#### 性能（只針對插件）

##### TYPICAL PERFORMANCE (Cartridge only)



#### 訂貨型號

##### HOW TO ORDER

##### SV16-21

選項 Option  
無 None

S: 150μ 過濾網  
150μ Screen

密封材料  
Seal Material  
N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton

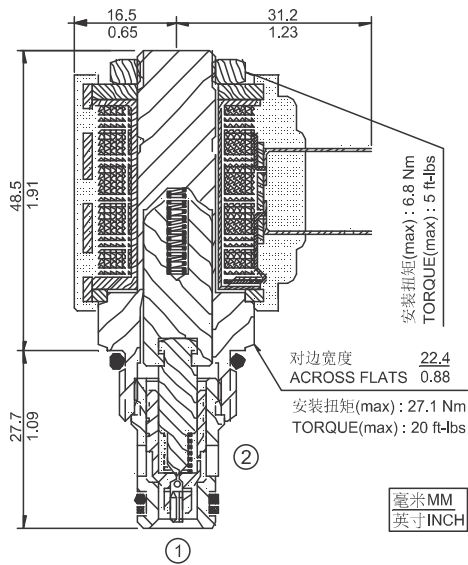
線圈終端  
Coil Termination  
DG: DIN43650  
DL: 導線 Leadwires  
DR: Deutsch DT04-2P  
AG: DIN43650  
AP: 1/2 英寸導線管  
1/2 in. Conduit

線圈電壓  
Coil Voltage  
0: 無線圈  
12: DC 12V  
24: DC 24V  
115: AC 115V  
230: AC 230V



## SV08-22 兩通常閉式錐閥

### SV08-22 兩通常閉式錐閥 2-Way, Normally Closed ,Poppet



#### 描述 DESCRIPTION

電磁驅動、2 通常閉、導控座閥式、液壓螺紋插裝閥，用作低泄漏截止和負載保持應用。

A solenoid-operated, 2-way, normally closed, poppet-type, screw-in hydraulic cartridge valve, designed for low leakage blocking and load holding applications.

#### 工作原理 OPERATION

斷電時，SV08-22 用作單向閥，允許油液從①流向②，同時截止油液從②流向①。通電后，閥芯提升，從而打開從②流向①的油液通道。此模式允許雙向流動。

When de-energized, the SV08-22 acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①.

When energized, the poppet lifts to open the ② to ① flow path. In this mode, bidirectional flow is allowed.

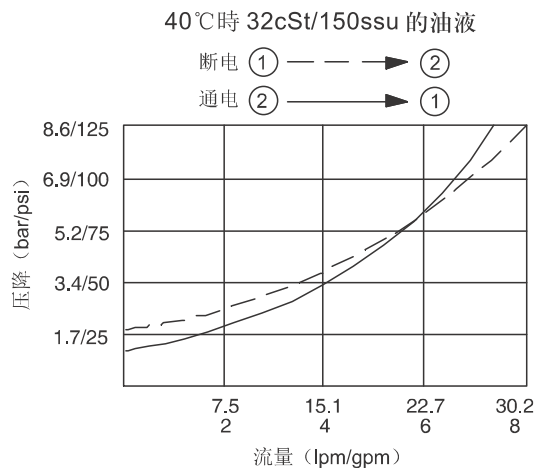
#### 特性

##### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	23 L/min 6 gpm
內漏 LEAKAGE	≤ 0.15 ml/min (3 drops/min) at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC08-2

#### 性能（只針對插件）

##### TYPICAL PERFORMANCE (Cartridge only)



#### 訂貨型號

##### HOW TO ORDER

SV08 - 22	-	-	-	-	線圈終端 Coil Termination
選項 Option	無 None	S: 150μ 過濾網 150μ Screen	M: 應急手控 Manual Override	線圈電壓 Coil Voltage	DG: DIN43650
密封材料 Seal Material	N: 丁腈橡膠 Buna-N	V: 氟橡膠 Viton		0: 無線圈	DL: 導線 Leadwires
				12: DC 12V	DR: Deutsch DT04-2P
				24: DC 24V	AG: DIN43650
				115: AC 115V	AP: 1/2 英寸導線管 1/2 in. Conduit
				230: AC 230V	

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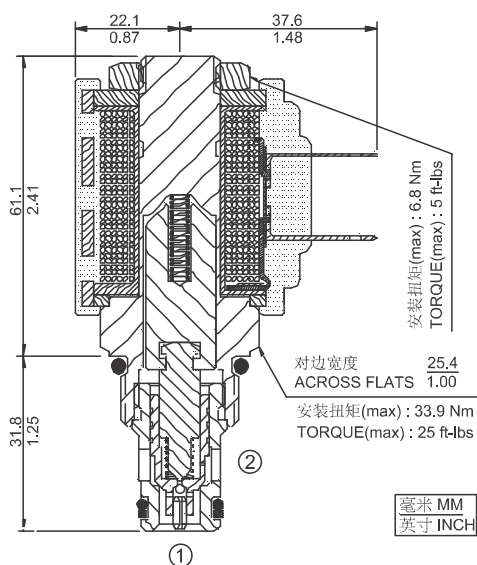
K

錐閥



## SV10-22 兩通常閉式錐閥

### SV10-22 兩通常閉式錐閥 2-Way, Normally Closed ,Poppet



#### 描述 DESCRIPTION

電磁驅動、2 通常閉、導控座閥式、液壓螺紋插裝閥，用作低泄漏截止和負載保持應用。

A solenoid-operated, 2-way, normally closed, poppet-type, screw-in hydraulic cartridge valve, designed for low leakage blocking and load holding applications.

#### 工作原理 OPERATION

斷電時，SV10-22用作單向閥，允許油液從①流向②，同時截止油液從②流向①。

通電后，閥芯提升，從而打開從 ② 流向 ① 的油液通道。此模式允許雙向流動。

When de-energized, the SV10-22 acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①.

When energized, the poppet lifts to open the ② to ① flow path. In this mode, bidirectional flow is allowed.

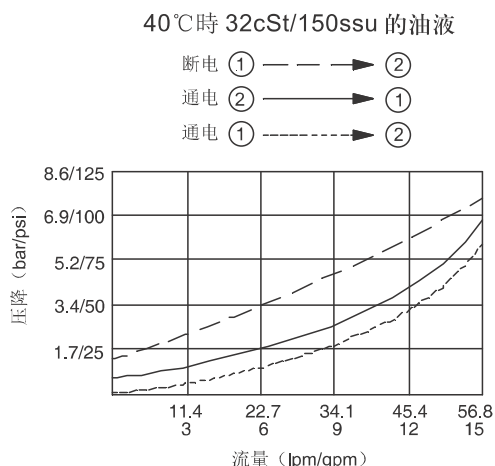
#### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	45 L/min 12 gpm
內漏 LEAKAGE	≤ 0.15 ml/min (3 drops/min) at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC10-2

#### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



#### 訂貨型號

#### HOW TO ORDER

#### SV10 - 22

#### 選項 Option

無 None

S: 150μ 過濾網  
150μ Screen

M: 應急手控  
Manual Override

密封材料

Seal Material

N: 丁腈橡膠 Buna-N

V: 氟橡膠 Viton

線圈電壓

Coil Voltage

0: 無線圈

12: DC 12V

24: DC 24V

115: AC 115V

230: AC 230V

線圈終端

Coil Termination

DG: DIN43650

DL: 導線 Leadwires

DR: Deutsch DT04-2P

AG: DIN43650

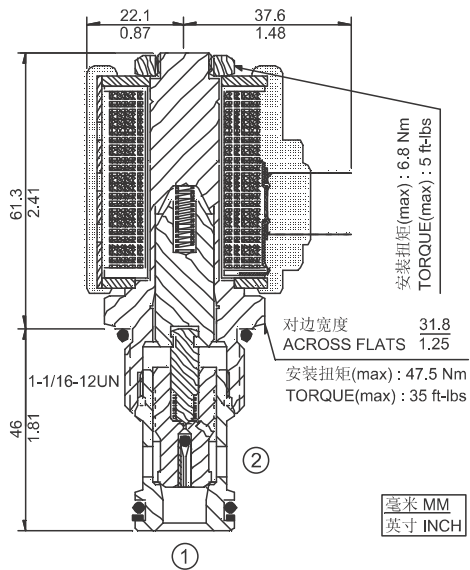
AP: 1/2 英寸導線管

1/2 in. Conduit



## SV12-22 兩通常閉式錐閥

### SV12-22 兩通常閉式錐閥 2-Way, Normally Closed ,Poppet



#### 描述 DESCRIPTION

電磁驅動、2 通常閉、座閥式、液壓螺紋插裝閥，用作低泄漏截止和負載保持應用。

A solenoid-operated, 2-way, normally closed, poppet-type, screw-in hydraulic cartridge valve, designed for low leakage blocking and load holding applications.

#### 工作原理 OPERATION

斷電時，SV12-22 用作單向閥，允許油液從①流向②，同時截止油液從②流向①。通電后，閥芯提升，從而打開從②流向①的油液通道。此模式允許雙向流動。

When de-energized, the SV12-22 acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①.

When energized, the poppet lifts to open the ② to ① flow path. In this mode, bidirectional flow is allowed.

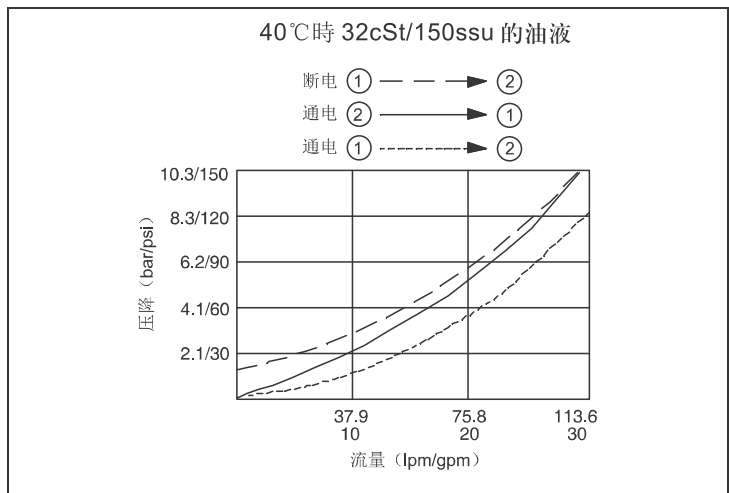
#### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	114 L/min 30 gpm
內漏 LEAKAGE	≤ 0.15 ml/min (3 drops/min) at 240 bar (3500 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30°C ~ +100°C BUNA-N -20°F ~ +210°F 氟橡膠 -20°C ~ +150°C VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC12-2

#### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



#### 訂貨型號

#### HOW TO ORDER

#### SV12 - 22

#### 選項 Option

無 None

S: 150μ 過濾網  
150μ Screen

M: 應急手控  
Manual Override

#### 密封材料

Seal Material

N: 丁腈橡膠 Buna-N

V: 氟橡膠 Viton

#### 線圈電壓

Coil Voltage

0: 無線圈

12: DC 12V

24: DC 24V

115: AC 115V

230: AC 230V

#### 線圈終端

Coil Termination

DG: DIN43650

DL: 導線 Leadwires

DR: Deutsch DT04-2P

AG: DIN43650

AP: 1/2 英寸導線管

1/2 in. Conduit

A

B

C

D

E

F

G

H

I

J

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錐閥





## SV16-22 兩通常閉式錐閥

### SV16-22 兩通常閉式錐閥 2-Way, Normally Closed ,Poppet

#### 描述 DESCRIPTION

電磁驅動、2 通常閉、導控座閥式、液壓螺紋插裝閥，用作低泄漏截止和負載保持應用。

A solenoid-operated, 2-way, normally closed, poppet-type, screw-in hydraulic cartridge valve, designed for low leakage blocking and load holding applications.

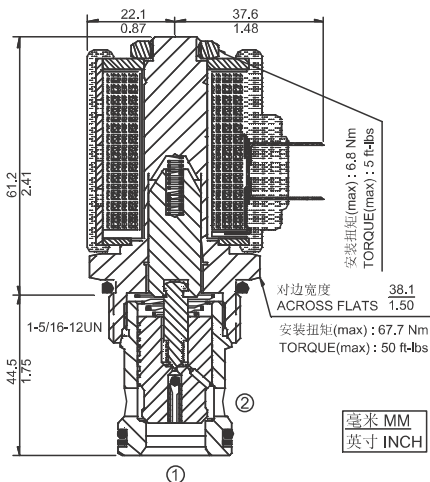
#### 工作原理 OPERATION

斷電時，SV16-22用作單向閥，允許油液從①流向②，同時截止油液從②流向①。

通電后，閥芯提升，從而打開從 ② 流向 ① 的油液通道。此模式允許雙向流動。

When de-energized, the SV16-22 acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ①.

When energized, the poppet lifts to open the ② to ① flow path. In this mode, bidirectional flow is allowed.



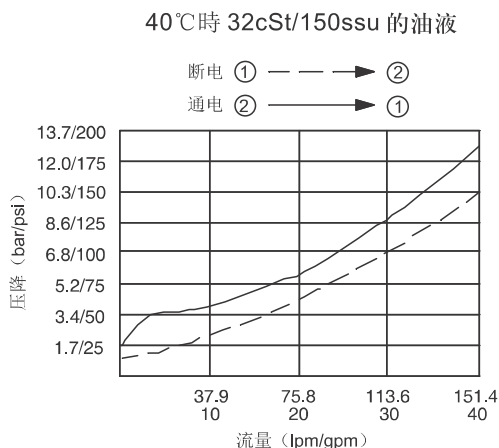
#### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	132 L/min 35 gpm
內漏 LEAKAGE	≤ 0.15 ml/min (3 drops/min) at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC16-2

#### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



#### 訂貨型號

#### HOW TO ORDER

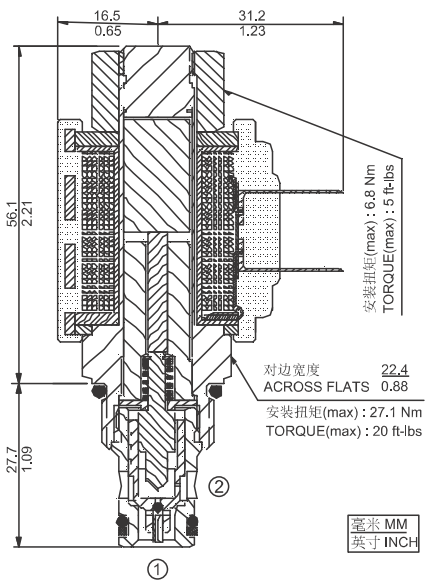
#### SV16-22

選項 Option	線圈終端 Coil Termination
無 None	DG: DIN43650
S: 150μ 過濾網 150μ Screen	DL: 導線 Leadwires
M: 應急手控 Manual Override	DR: Deutsch DT04-2P
	AG: DIN43650
	AP: 1/2 英寸導線管 1/2 in. Conduit
密封材料 Seal Material	線圈電壓 Coil Voltage
N: 丁腈橡膠 Buna-N	0: 無線圈
V: 氟橡膠 Viton	12: DC 12V
	24: DC 24V
	115: AC 115V
	230: AC 230V



## SV08-23 兩通常開式錐閥

### SV08-23 兩通常開式錐閥 2-Way, Normally Open, Poppet



#### 描述 DESCRIPTION

電磁驅動、2 通常開、導控座閥式、液壓螺紋插裝閥，用作低泄漏截止和負載保持應用。

A solenoid-operated, 2-way, normally open, poppet-type, screw-in hydraulic cartridge valve, designed for low leakage blocking and load holding applications.

#### 工作原理 OPERATION

斷電時，SV08-23的閥芯提升，從而允許油液從 ② 流向 ①。同時，油液還可以從 ① 流向 ②。

通電后，插件用作單向閥，在克服電磁力后（所需壓力為3.4至10.3 bar [ 50至150 psi ] ），允許油液從 ① 流向 ②，同時截止從 ② 流向 ①。

When de-energized, the SV08-23 poppet lifts to open flow from ② to ①. Flow is also open from ① to ②.

When energized, the cartridge acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ① after overcoming the solenoid force ( requires 3.4 to 10.3 bar [ 50 to 150 psi ] ).

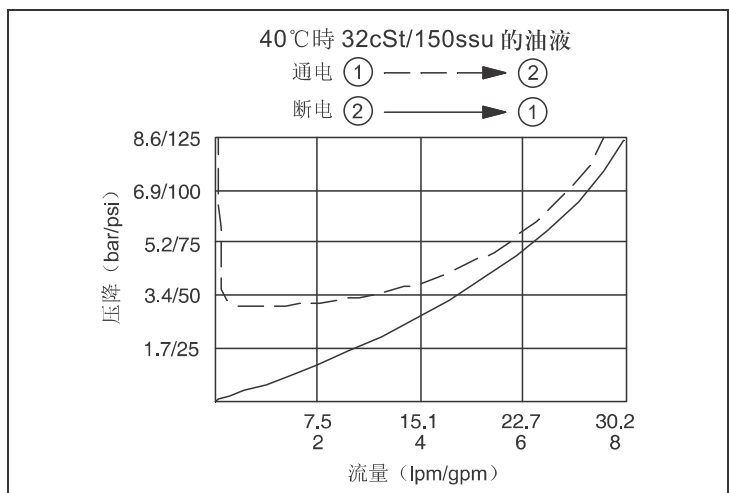
#### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	30 L/min 8 gpm
內漏 LEAKAGE	≤ 0.15 ml/min ( 3 drops/min ) at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC08-2

#### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



#### 訂貨型號

#### HOW TO ORDER

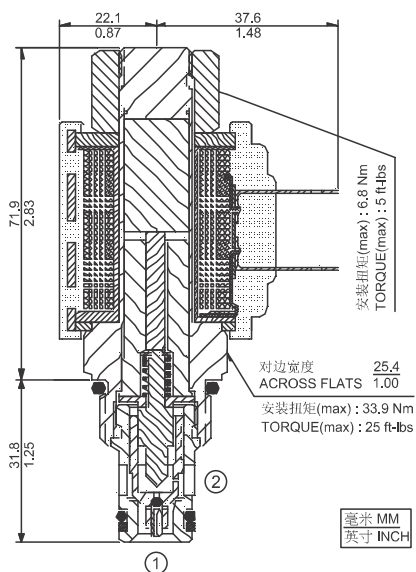
#### SV08 - 23

選項 Option	線圈終端 Coil Termination
無 None	DG: DIN43650
S: 150μ 過濾網 150μ Screen	DL: 導線 Leadwires
	DR: Deutsch DT04-2P
	AG: DIN43650
	AP: 1/2 英寸導線管 1/2 in. Conduit
	線圈電壓 Coil Voltage
	0: 無線圈
	12: DC 12V
	24: DC 24V
	115: AC 115V
	230: AC 230V
密封材料 Seal Material	
N: 丁腈橡膠 Buna-N	
V: 氟橡膠 Viton	



# SV10-23 兩通常開式錐閥

## SV10-23 兩通常開式錐閥 2-Way, Normally Open ,Poppet



### 描述 DESCRIPTION

電磁驅動、2通常開、導控座閥式、液壓螺紋插裝閥，用作低泄漏截止和負載保持應用。

A solenoid-operated, 2-way, normally open, poppet-type, screw-in hydraulic cartridge valve, designed for low leakage blocking and load holding applications.

### 工作原理 OPERATION

斷電時，SV10-23的閥芯提升，從而允許油液從 ② 流向 ①。同時，油液還可以從 ① 流向 ②。

通電后，插件用作單向閥，在克服電磁力后（所需壓力為3.4至10.3 bar [ 50至150 psi ] ），允許油液從 ① 流向 ②，同時截止從 ② 流向 ①。

When de-energized, the SV10-23 poppet lifts to open flow from ② to ①. Flow is also open from ① to ②.

When energized, the cartridge acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ① after overcoming the solenoid force ( requires 3.4 to 10.3 bar [ 50 to 150 psi ] ).

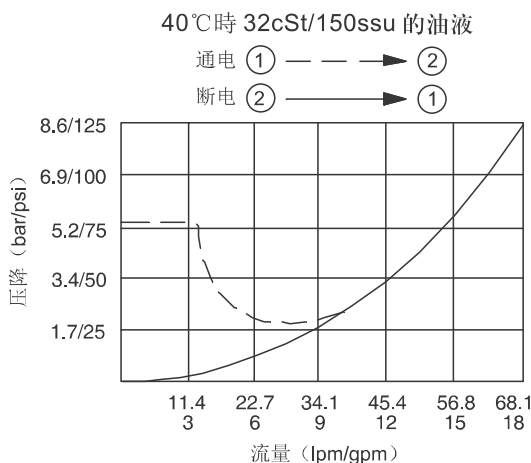
### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	57 L/min 15 gpm
內漏 LEAKAGE	≤ 0.15 ml/min ( 3 drops/min ) at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC10-2

### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



### 訂貨型號

#### HOW TO ORDER

#### SV10 - 23

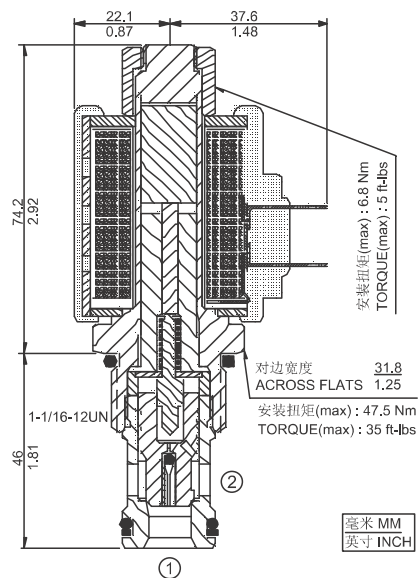
選項 Option	線圈終端 Coil Termination
無 None	DG: DIN43650
S: 150μ 過濾網 150μ Screen	DL: 導線 Leadwires
	DR: Deutsch DT04-2P
	AG: DIN43650
	AP: 1/2 英寸導線管 1/2 in. Conduit
	線圈電壓 Coil Voltage
	0: 無線圈
密封材料 Seal Material	12: DC 12V
N: 丁腈橡膠 Buna-N	24: DC 24V
V: 氟橡膠 Viton	115: AC 115V
	230: AC 230V





# SV12-23 兩通常開式錐閥

## SV12-23 兩通常開式錐閥 2-Way, Normally Open ,Poppet



### 描述 DESCRIPTION

電磁驅動、2 通常開、導控座閥式、液壓螺紋插裝閥，用作低泄漏截止和負載保持應用。

A solenoid-operated, 2-way, normally open, poppet-type, screw-in hydraulic cartridge valve, designed for low leakage blocking and load holding applications.

### 工作原理 OPERATION

斷電時，SV12-23的閥芯提升，從而允許油液從 ② 流向 ①。同時，油液還可以從 ① 流向 ②。

通電后，插件用作單向閥，在克服電磁力后（所需壓力為3.4至10.3 bar [ 50至150 psi ] ），允許油液從 ① 流向 ②，同時截止從 ② 流向 ①。

When de-energized, the SV12-23 poppet lifts to open flow from ② to ①. Flow is also open from ① to ②.

When energized, the cartridge acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ① after overcoming the solenoid force ( requires 3.4 to 10.3 bar [ 50 to 150 psi ] ).

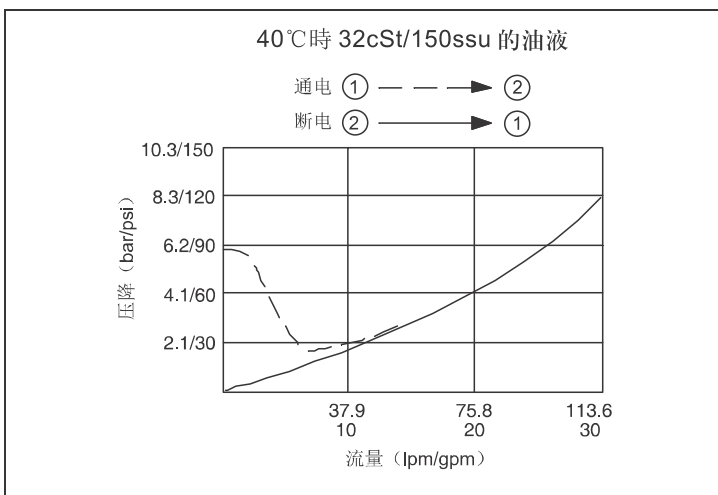
### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	114 L/min 30 gpm
內漏 LEAKAGE	≤ 0.15 ml/min ( 3 drops/min ) at 240 bar (3500 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC12-2

### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



### 訂貨型號

#### HOW TO ORDER

SV12 - 23	-	-	-	-
選項 Option	無 None	S: 150μ 過濾網 150μ Screen	線圈終端 Coil Termination	DG: DIN43650 DL: 導線 Leadwires DR: Deutsch DT04-2P AG: DIN43650 AP: 1/2 英寸導線管 1/2 in. Conduit
密封材料 Seal Material	N: 丁腈橡膠 Buna-N	V: 氟橡膠 Viton	線圈電壓 Coil Voltage	0: 無線圈 12: DC 12V 24: DC 24V 115: AC 115V 230: AC 230V

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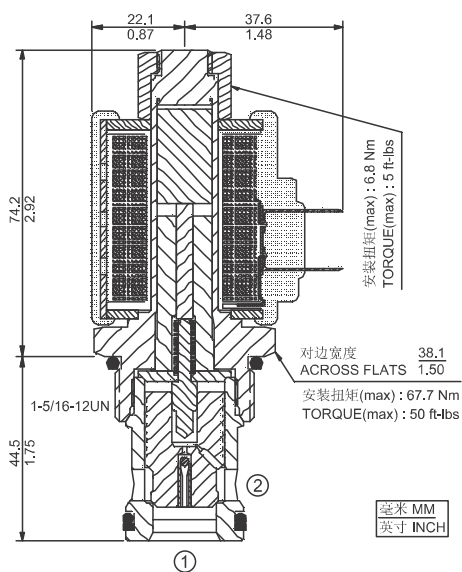
K

錐閥



## SV16-23 兩通常開式錐閥

### SV16-23 兩通常開式錐閥 2-Way, Normally Open, Poppet



#### 描述 DESCRIPTION

電磁驅動、2 通常開、導控座閥式、液壓螺紋插裝閥，用作低泄漏截止和負載保持應用。

A solenoid-operated, 2-way, normally open, poppet-type, screw-in hydraulic cartridge valve, designed for low leakage blocking and load holding applications.

#### 工作原理 OPERATION

斷電時，SV16-23的閥芯提升，從而允許油液從 ② 流向 ①。同時，油液還可以從 ① 流向 ②。

通電后，插件用作單向閥，在克服電磁力后（所需壓力為3.4至10.3 bar [ 50至150 psi ] ），允許油液從 ① 流向 ②，同時截止從 ② 流向 ①。

When de-energized, the SV16-23 poppet lifts to open flow from ② to ①. Flow is also open from ① to ②.

When energized, the cartridge acts as a check valve, allowing flow from ① to ②, while blocking flow from ② to ① after overcoming the solenoid force ( requires 3.4 to 10.3 bar [ 50 to 150 psi ] ).

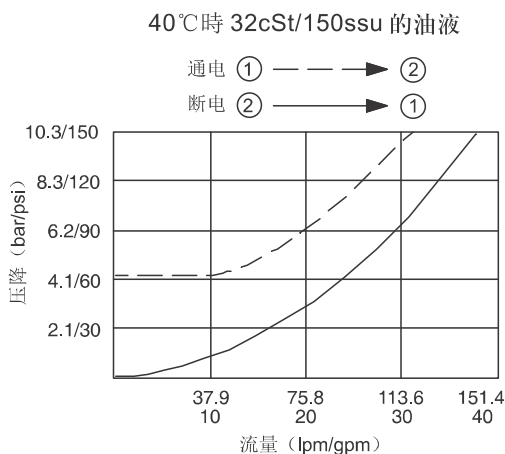
#### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	132 L/min 35 gpm
內漏 LEAKAGE	≤ 0.15 ml/min ( 3 drops/min ) at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC16-2

#### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



#### 訂貨型號

#### HOW TO ORDER

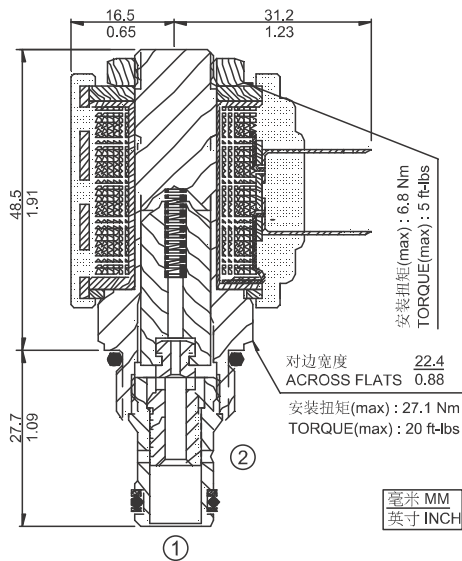
#### SV16 - 23

選項 Option	線圈終端 Coil Termination
無 None	DG: DIN43650
S: 150μ 過濾網 150μ Screen	DL: 導線 Leadwires
	DR: Deutsch DT04-2P
	AG: DIN43650
	AP: 1/2 英寸導線管 1/2 in. Conduit
密封材料 Seal Material	線圈電壓 Coil Voltage
N: 丁腈橡膠 Buna-N	0: 無線圈
V: 氟橡膠 Viton	12: DC 12V
	24: DC 24V
	115: AC 115V
	230: AC 230V



## SV08-24 兩通常閉式錐閥

### SV08-24 兩通常閉式錐閥 2-Way, Normally Closed



#### 描述 DESCRIPTION

電磁驅動、2通常閉、直動滑閥式、液壓螺紋插裝閥，在低流量回路中用作雙向截止閥。

A solenoid-operated, 2-way, normally closed, direct-acting, spool-type, screw-in hydraulic cartridge valve, designed to operate as a bidirectional blocking valve in low flow circuits.

#### 工作原理 OPERATION

斷電時，SV08-24 截止油液雙向流動。

通電后，插件的閥芯移動，從而允許油液雙向流動。

When de-energized, the SV08-24 blocks flow in both directions.

When energized, the cartridge's spool shifts to open the bidirectional flow path.

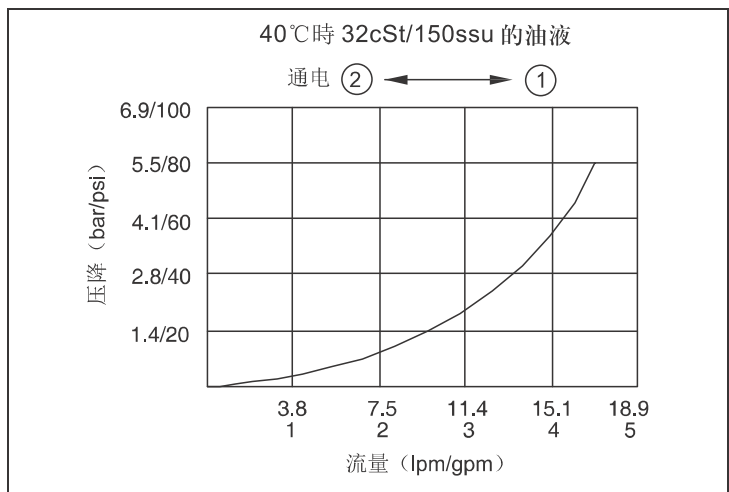
#### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	17 L/min 4.5 gpm
內漏 LEAKAGE	≤ 82 ml/min at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC08-2

#### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



#### 訂貨型號

#### HOW TO ORDER

#### SV08-24

選項 Option  
無 None  
S: 150μ 過濾網  
150μ Screen

密封材料  
Seal Material  
N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton

線圈終端  
Coil Termination  
DG: DIN43650  
DL: 導線 Leadwires  
DR: Deutsch DT04-2P  
AG: DIN43650  
AP: 1/2 英寸導線管  
1/2 in. Conduit

線圈電壓  
Coil Voltage  
0: 無線圈  
12: DC 12V  
24: DC 24V  
115: AC 115V  
230: AC 230V

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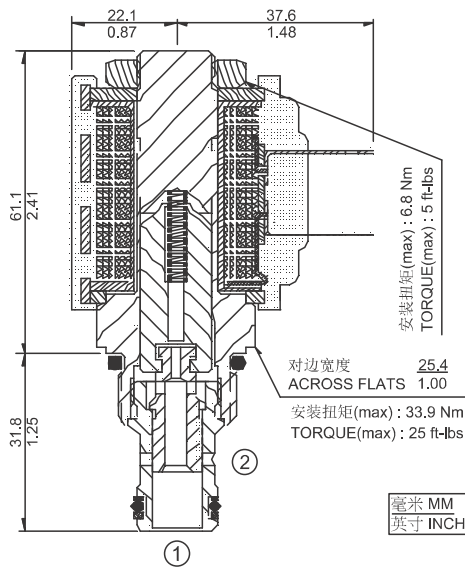
K

錐閥



# SV10-24 兩通常閉式錐閥

## SV10-24 兩通常閉式錐閥 2-Way, Normally Closed



### 描述 DESCRIPTION

電磁驅動、2通常閉、直動滑閥式、液壓螺紋插裝閥，在低流量回路中用作雙向截止閥。

A solenoid-operated, 2-way, normally closed, direct-acting, spool-type, screw-in hydraulic cartridge valve, designed to operate as a bidirectional blocking valve in low flow circuits.

### 工作原理 OPERATION

斷電時，SV10-24 截止油液雙向流動。

通電后，插件的閥芯移動，從而允許油液雙向流動。

When de-energized, the SV10-24 blocks flow in both directions.

When energized, the cartridge's spool shifts to open the bidirectional flow path.

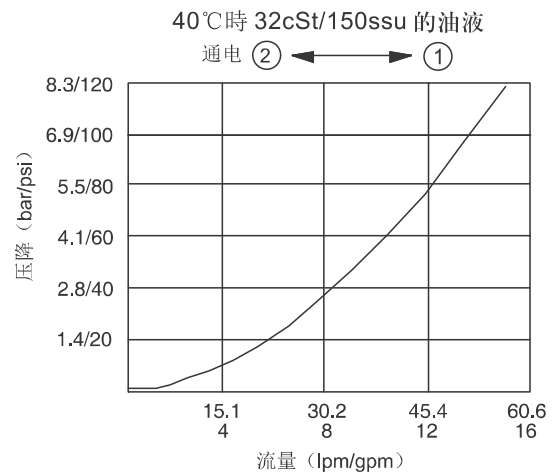
### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	38 L/min 10 gpm
內漏 LEAKAGE	≤ 82 ml/min at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC10-2

### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



### 訂貨型號

#### HOW TO ORDER

#### SV10 - 24

##### 選項 Option

無 None  
S: 150μ 過濾網  
150μ Screen

##### 密封材料

Seal Material  
N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton

##### 線圈電壓

Coil Voltage  
0: 無線圈  
12: DC 12V  
24: DC 24V  
115: AC 115V  
230: AC 230V

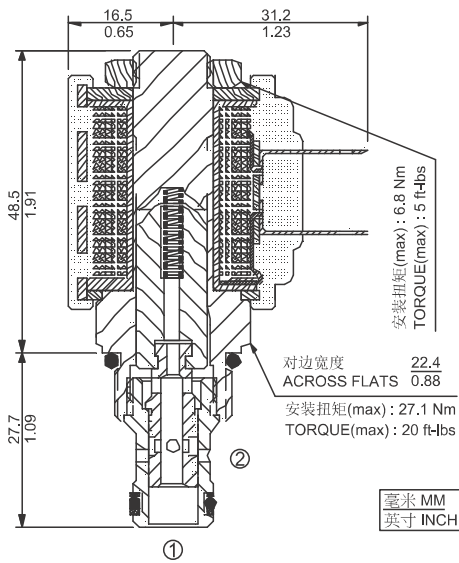
##### 線圈終端

Coil Termination  
DG: DIN43650  
DL: 導線 Leadwires  
DR: Deutsch DT04-2P  
AG: DIN43650  
AP: 1/2 英寸導線管  
1/2 in. Conduit



## SV08-25 兩通常開式錐閥

### SV08-25 兩通常開式錐閥 2-Way, Normally Open



#### 描述 DESCRIPTION

電磁驅動、2通常閉、直動滑閥式、液壓螺紋插裝閥，在低流量回路中用作雙向截止閥。

A solenoid-operated, 2-way, normally closed, direct-acting, spool-type, screw-in hydraulic cartridge valve, designed to operate as a bidirectional blocking valve in low flow circuits.

#### 工作原理 OPERATION

斷電時，SV08-25 允許油液雙向流動。

通電后，插件的閥芯移動，從而雙向截止油液流動。

When de-energized, the SV08-25 allows flow in both directions.

When energized, the valve's spool shifts to close bidirectionally.

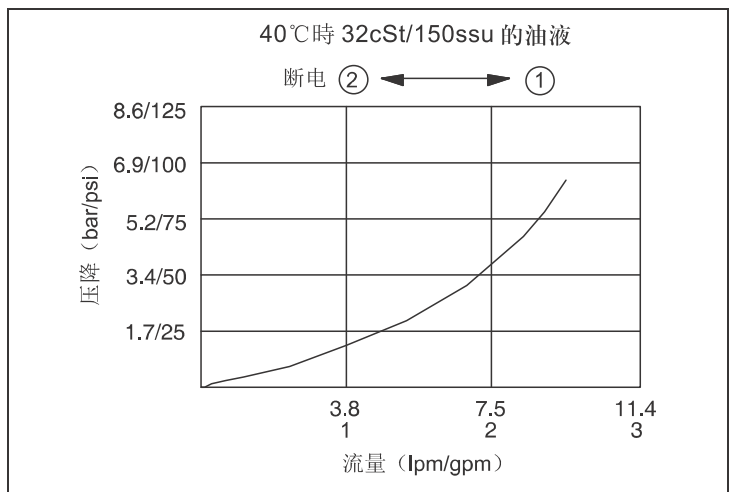
#### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	9.5 L/min 2.5 gpm
內漏 LEAKAGE	≤ 82 ml/min at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC08-2

#### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



#### 訂貨型號

#### HOW TO ORDER

#### SV08 - 25

#### 選項 Option

無 None  
S: 150μ 過濾網  
150μ Screen

#### 密封材料

Seal Material  
N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton

#### 線圈終端

Coil Termination  
DG: DIN43650  
DL: 導線 Leadwires  
DR: Deutsch DT04-2P  
AG: DIN43650  
AP: 1/2 英寸導線管  
1/2 in. Conduit

#### 線圈電壓

Coil Voltage  
0: 無線圈  
12: DC 12V  
24: DC 24V  
115: AC 115V  
230: AC 230V

A

B

C

D

E

F

G

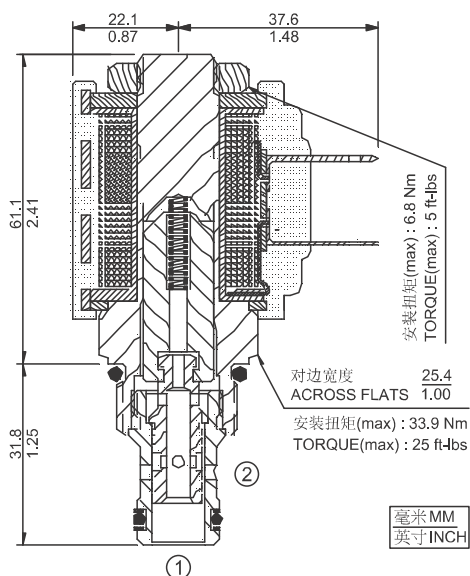
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錐閥

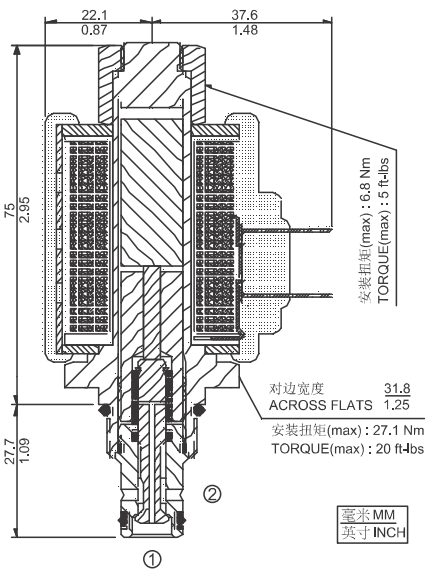






# SV38-28 兩通常開式雙向截止座閥

## SV38-28 兩通常開式雙向截止座閥 2-Way, N.C., Bidirectional Blocking, Poppet



### 描述 DESCRIPTION

電磁驅動、2通常閉、雙向截止、座閥式、液壓螺紋插裝閥，用于要求低泄漏的負載保持應用。

A solenoid-operated, 2-way, normally closed, bi-directional blocking, poppet-type, screw-in hydraulic cartridge valve, designed for low leakage in load-holding applications.

### 工作原理 OPERATION

斷電時，SV38-28 截止油液雙向流動。通電后，閥芯打開，允許油液雙向流動。

When de-energized, the SV38-28 blocks flow in both directions.

When energized, the valve's poppet opens on its seat, allowing flow in both directions.

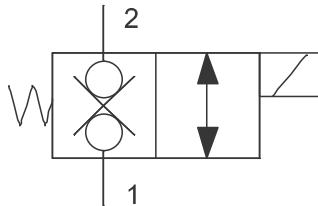
### 特性

#### SPECIFICATIONS

### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)

### 符號 SYMBOL



### 工作壓力 PRESSURE

207 bar  
3000 psi

### 流量 FLOW

19 L/min  
5 gpm

### 內漏 LEAKAGE

≤ 0.25 ml/min (5 drops/min)  
at 207 bar (3000 psi)

### 密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE

丁腈橡膠 -30℃ ~ +100℃  
BUNA-N -20°F ~ +210°F  
氟橡膠 -20℃ ~ +150℃  
VITON -4°F ~ +330°F

### 線圈額定負載 COIL DUTY RATING

可在85%至115%的額定電壓範圍內連續工作  
CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE

### 過濾 FILTRATION

≤ 25 MICRONS

### 介質 FLUID

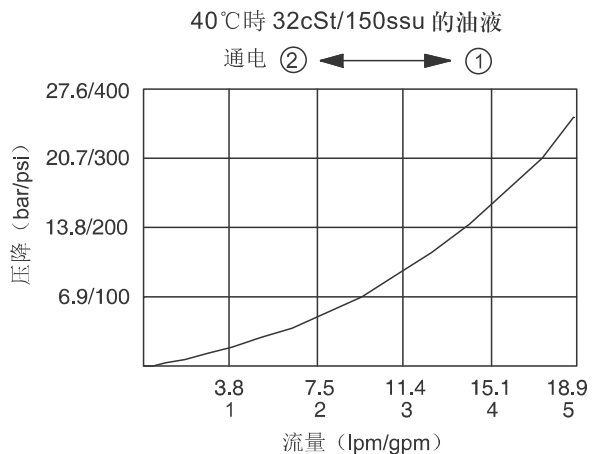
礦物油或具有潤滑作用的合成油  
MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES

### 粘度 VISCOSITY

10.8~420 cSt  
50~2000 ssu

### 閥孔 CAVITY

VC08-2



### 訂貨型號

#### HOW TO ORDER

### SV38 - 28

選項 Option  
無 None  
S: 150μ 過濾網  
150μ Screen

密封材料  
Seal Material  
N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton

線圈終端  
Coil Termination  
DG: DIN43650  
DL: 導線 Leadwires  
DR: Deutsch DT04-2P  
AG: DIN43650  
AP: 1/2 英寸導線管  
1/2 in. Conduit

線圈電壓  
Coil Voltage  
0: 無線圈  
12: DC 12V  
24: DC 24V  
115: AC 115V  
230: AC 230V

A

B

C

D

E

F

G

H

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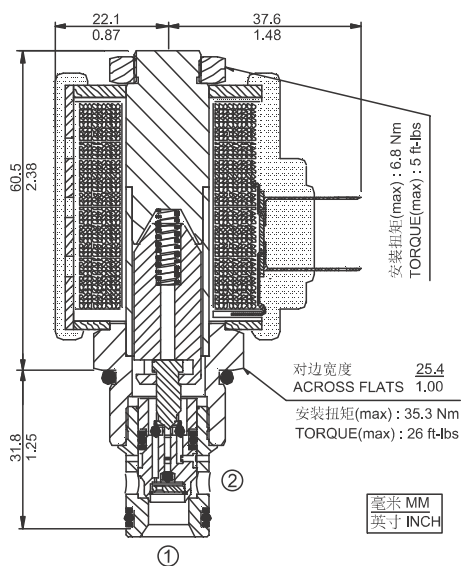
K

雙向截止座閥



# SV10-28 兩通常開式雙向截止座閥

## SV10-28 兩通常開式雙向截止座閥 2-Way, N.C., Bidirectional Blocking, Poppet



### 描述 DESCRIPTION

電磁驅動、2通常閉、雙向截止、座閥式、液壓螺紋插裝閥，用于要求低泄漏的負載保持應用。

A solenoid-operated, 2-way, normally closed, bi-directional blocking, poppet-type, screw-in hydraulic cartridge valve, designed for low leakage in load-holding applications.

### 工作原理 OPERATION

斷電時，SV10-28 截止油液雙向流動。通電后，閥芯打開，允許油液雙向流動。

When de-energized, the SV10-28 blocks flow in both directions.

When energized, the valve's poppet opens on its seat, allowing flow in both directions.

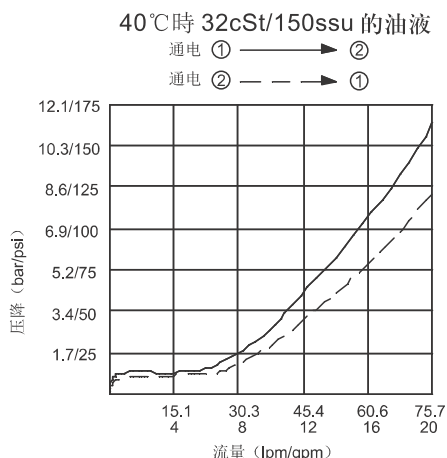
### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	76 L/min 20 gpm
內漏 LEAKAGE	≤ 0.25 ml/min (5 drops/min) at 240 bar (3500 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC10-2

### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



### 訂貨型號

#### HOW TO ORDER

#### SV10 - 28

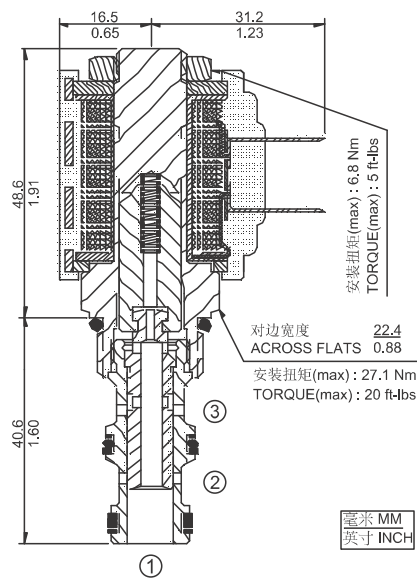
選項 Option	線圈終端 Coil Termination
無 None	DG: DIN43650
S: 150μ 過濾網 150μ Screen	DL: 導線 Leadwires
	DR: Deutsch DT04-2P
	AG: DIN43650
	AP: 1/2 英寸導線管 1/2 in. Conduit
線圈電壓 Coil Voltage	
0: 無線圈	
12: DC 12V	
24: DC 24V	
115: AC 115V	
230: AC 230V	
密封材料 Seal Material	
N: 丁腈橡膠 Buna-N	
V: 氟橡膠 Viton	

雙向截止座閥





## SV08-33 三通换向閥 3-Way, Spool



### 描述 DESCRIPTION

電磁驅動、3通、直動閥芯式、螺紋液壓方向閥。

A solenoid-operated, 3-way, direct-acting, spool-type, screw-in hydraulic directional valve.

### 工作原理 OPERATION

斷電時，SV08-33 允許油液從 ③ 流向 ①，而在 ② 處截止。

通電后，插件的閥芯移動，從而接通 ② 流向 ①，而在 ③ 處截止。

在 ① 可能被充分加壓，但不打算被用來作為入口。

When de-energized, the SV08-33 allows flow from ③ to ①, while blocking flow at ②.

When energized, the cartridge's spool shifts to open from ② to ①, while blocking at ③.

While ① may be fully pressurized, it is not intended to be used as the inlet.

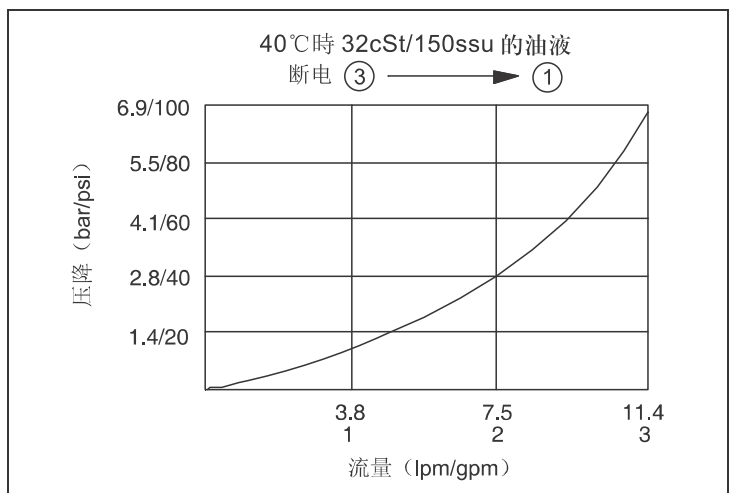
### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	11 L/min 3 gpm
內漏 LEAKAGE	≤ 82 ml/min at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30°C ~ +100°C BUNA-N -20°F ~ +210°F 氟橡膠 -20°C ~ +150°C VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC08-3

### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



### 訂貨型號

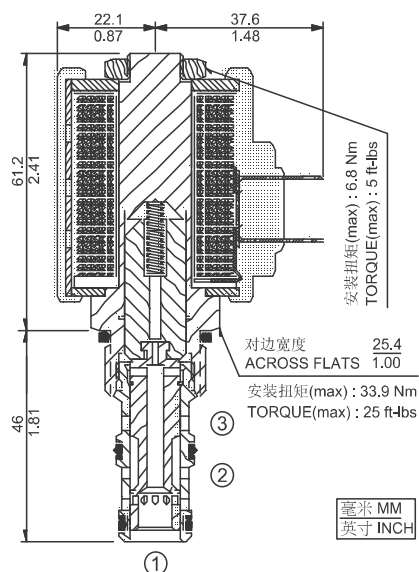
#### HOW TO ORDER

#### SV08 - 33

選項 Option	無 None	線圈終端 Coil Termination	DG: DIN43650
密封材料 Seal Material	N: 丁腈橡膠 Buna-N V: 氟橡膠 Viton	線圈電壓 Coil Voltage	0: 無線圈 12: DC 12V 24: DC 24V 115: AC 115V 230: AC 230V
		導線 Leadwires	DR: Deutsch DT04-2P
		1/2 英寸導線管 1/2 in. Conduit	AP: 1/2 英寸導線管



## SV10-34 三通換向閥 3-Way, Spool



### 描述 DESCRIPTION

電磁驅動、3通、直動閥芯式、螺紋液壓方向閥。

A solenoid-operated, 3-way, direct-acting, spool-type, screw-in hydraulic directional valve.

### 工作原理 OPERATION

斷電時，SV10-34 允許油液從 ② 流向 ①，而在 ③ 處截止。

通電后，插件的閥芯移動，從而接通 ② 流向 ③，而在 ① 處截止。

在 ① 可能被充分加壓，但不打算被用來作為入口。

When de-energized, the SV10-34 allows flow from ② to ①, while blocking flow at ③.

When energized, the cartridge's spool shifts to open from ② to ③, while blocking at ①.

While ① may be fully pressurized, it is not intended to be used as the inlet.

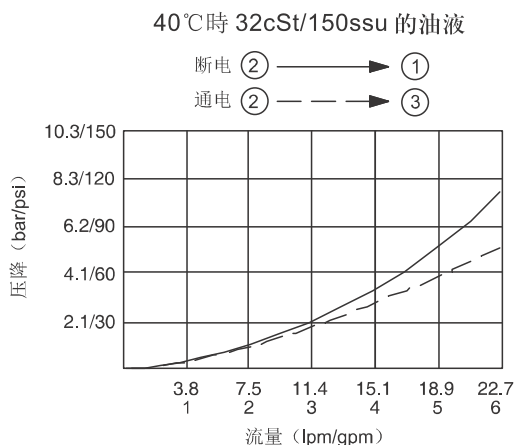
### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	23 L/min 6 gpm
內漏 LEAKAGE	≤ 115 ml/min at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC10-3

### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



### 訂貨型號

#### HOW TO ORDER

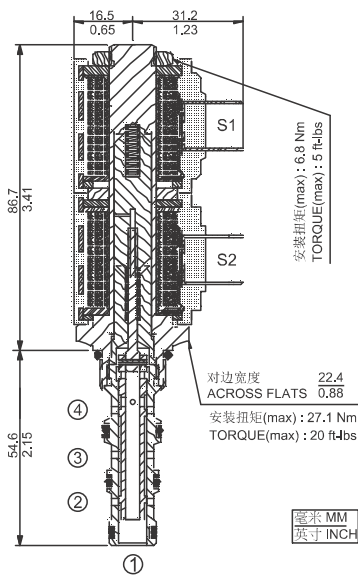
#### SV10 - 34

選項 Option	無 None	線圈終端 Coil Termination	線圈電壓 Coil Voltage
		無 None	0: 無線圈
		無 None	12: DC 12V
		無 None	24: DC 24V
		無 None	115: AC 115V
		無 None	230: AC 230V
密封材料 Seal Material	N: 丁腈橡膠 Buna-N V: 氟橡膠 Viton	線圈終端 Coil Termination	線圈電壓 Coil Voltage
		無 None	0: 無線圈
		無 None	12: DC 12V
		無 None	24: DC 24V
		無 None	115: AC 115V
		無 None	230: AC 230V



# SV08-47D 三位四通換向閥，浮動中位

## SV08-47D 三位四通換向閥，浮動中位 3-position, 4-way, Spool, "Motor Spool"



### 描述 DESCRIPTION

電磁驅動、三位四通、直動閥芯式、馬達閥芯、液壓螺紋插裝閥。

A solenoid-operated, 3-position, 4-way, direct-acting, spool-type, motor spool, screw-in hydraulic cartridge valve.

### 工作原理 OPERATION

斷電時，SV08-47D 阻止油液流向③，而允許油液從②流向①，或從④流向①。線圈1通電時，允許油液從③流向④，以及從②流向①。線圈2通電時，油液可以從③流向②，以及從④流向①。

在由于油缸面積比而造成工作油口流量不均衡的油路中，較大流量的回油應導入油口②。

雖然可以對油口①完全加壓，但其不用作閥的進油口。

When de-energized, the SV08-47D blocks flow to ③, while allowing flow from ② to ①, and from ④ to ①. When coil #1 is energized, flow is allowed from ③ to ④, and from ② to ①. When coil #2 is energized, flow is allowed from ③ to ②, and from ④ to ①.

In circuits where work port flows are unequal due to cylinder ratios, the higher return flow should be directed to port ②.

While ① may be fully pressurized, it is not intended to be used as the inlet.

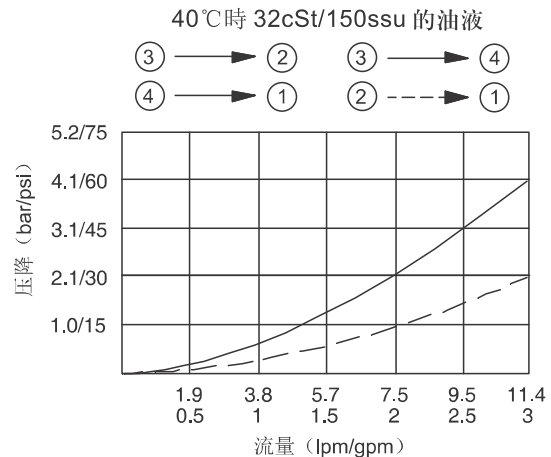
### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	11 L/min 3 gpm
內漏 LEAKAGE	≤ 164 ml/min at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC08-4

### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



### 訂貨型號

#### HOW TO ORDER

#### SV08-47D

選項 Option  
無 None

密封材料  
Seal Material  
N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton

線圈終端  
Coil Termination  
DG: DIN43650  
DL: 導線 Leadwires  
DR: Deutsch DT04-2P  
AG: DIN43650  
AP: 1/2 英寸導線管  
1/2 in. Conduit

線圈電壓  
Coil Voltage  
0: 無線圈  
12: DC 12V  
24: DC 24V  
115: AC 115V  
230: AC 230V

A

B

C

D

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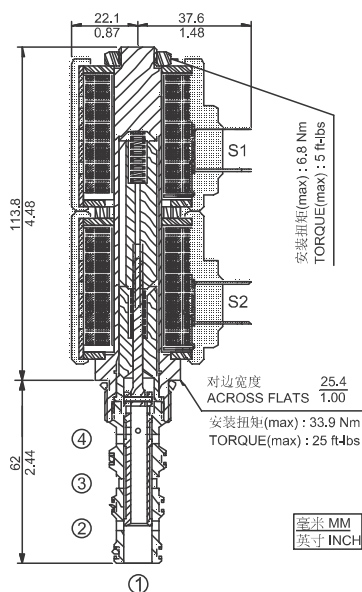
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換向閥



# SV10-47D 三位四通換向閥，浮動中位

## SV10-47D 三位四通換向閥，浮動中位 3-position, 4-way, Spool, "Motor Spool"



### 描述 DESCRIPTION

電磁驅動、三位四通、直動閥芯式、馬達閥芯、液壓螺紋插裝閥。

A solenoid-operated, 3-position, 4-way, direct-acting, spool-type, motor spool, screw-in hydraulic cartridge valve.

### 工作原理 OPERATION

斷電時，SV10-47D 阻止油液流向③，而允許油液從②流向①，或從④流向①。

線圈1通電時，允許油液從③流向④，以及從②流向①。線圈2通電時，油液可以從③流向②，以及從④流向①。

在由於油缸面積比而造成工作油口流量不平衡的油路中，較大流量的回油應導入油口②。

雖然可以對油口①完全加壓，但其不作為閥的進油口。

When de-energized, the SV10-47D blocks flow to ③, while allowing flow from ② to ①, and from ④ to ①. When coil #1 is energized, flow is allowed from ③ to ④, and from ② to ①. When coil #2 is energized, flow is allowed from ③ to ②, and from ④ to ①.

In circuits where work port flows are unequal due to cylinder ratios, the higher return flow should be directed to port ②.

While ① may be fully pressurized, it is not intended to be used as the inlet.

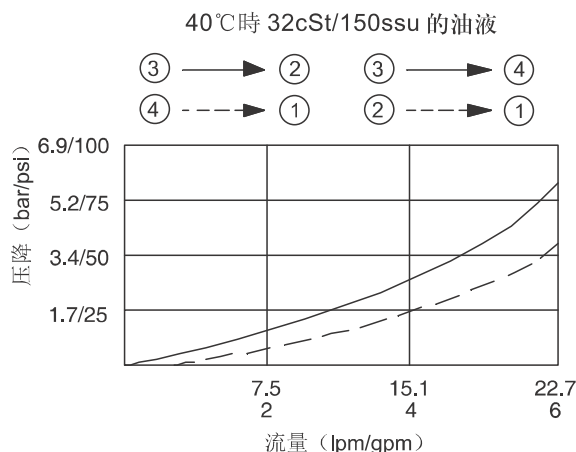
### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	23 L/min 6 gpm
內漏 LEAKAGE	≤ 164 ml/min at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC10-4

### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



### 訂貨型號

#### HOW TO ORDER

#### SV10-47D

選項 Option  
無 None

密封材料  
Seal Material  
N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton

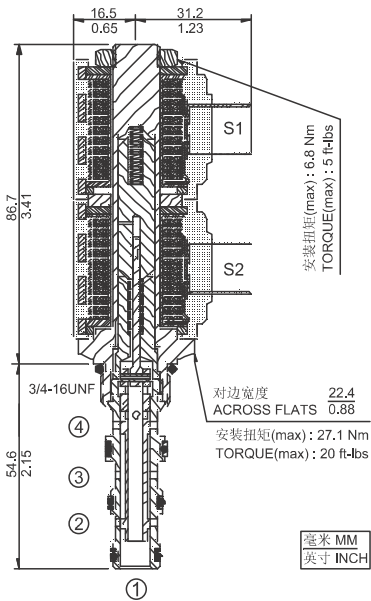
線圈電壓  
Coil Voltage  
0: 無線圈  
12: DC 12V  
24: DC 24V  
115: AC 115V  
230: AC 230V

線圈終端  
Coil Termination  
DG: DIN43650  
DL: 導線 Leadwires  
DR: Deutsch DT04-2P  
AG: DIN43650  
AP: 1/2 英寸導線管  
1/2 in. Conduit



# SV08-47C 三位四通換向閥，中位閉合

## SV08-47C 三位四通換向閥，中位閉合 3-position, 4-way, Spool, Closed Center



### 描述 DESCRIPTION

電磁驅動、三位四通、直動閥芯式、中位閉合、液壓螺紋插裝閥。

A solenoid-operated, 3-position, 4-way, direct-acting, spool-type, closed center, screw-in hydraulic cartridge valve.

### 工作原理 OPERATION

斷電時，SV08-47C 截止油液流向任何油口。線圈 1 通電時，允許油液從 ③ 流向 ④，以及從 ② 流向 ①。線圈 2 通電時，油液可以從 ③ 流向 ②，以及從 ④ 流向 ①。

在由于油缸面積比而造成工作油口流量不平衡的油路中，較大流量的回油應導入油口②。

雖然可以對油口①完全加壓，但其不作為閥的進油口。

When de-energized, the SV08-47C blocks flow to all ports. When coil #1 is energized, flow is allowed from ③ to ④, and from ② to ①. When coil #2 is energized, flow is allowed from ③ to ②, and from ④ to ①.

In circuits where work port flows are unequal due to cylinder ratios, the higher return flow should be directed to port ②.

While ① may be fully pressurized, it is not intended to be used as the inlet.

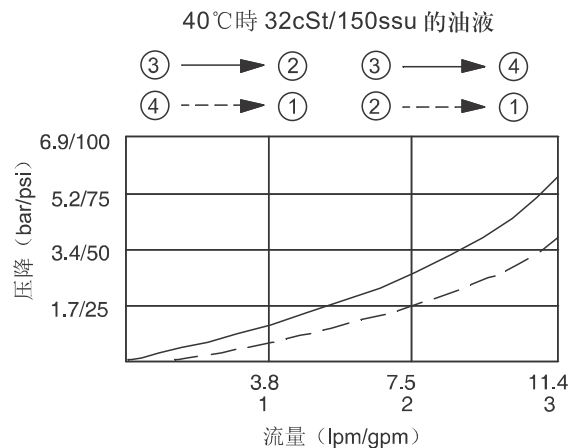
### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	207 bar 3000 psi
流量 FLOW	11 L/min 3 gpm
內漏 LEAKAGE	≤ 164 ml/min at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC08-4

### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



### 訂貨型號

#### HOW TO ORDER

#### SV08-47C

選項 Option  
無 None

密封材料  
Seal Material  
N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton

線圈終端  
Coil Termination  
DG: DIN43650  
DL: 導線 Leadwires  
DR: Deutsch DT04-2P  
AG: DIN43650  
AP: 1/2 英寸導線管 1/2 in. Conduit

線圈電壓  
Coil Voltage  
0: 無線圈  
12: DC 12V  
24: DC 24V  
115: AC 115V  
230: AC 230V

A

B

C

D

E

F

G

H

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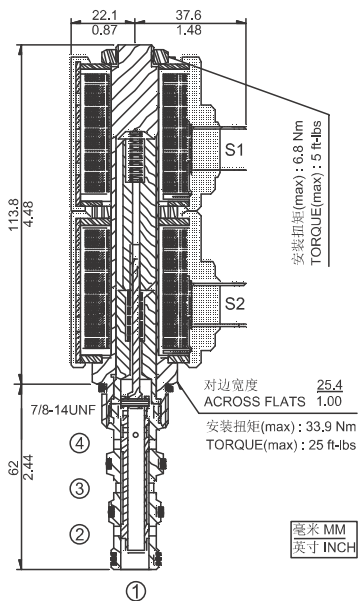
換向閥





# ● SV10-47C 三位四通換向閥，中位閉合

## SV10-47C 三位四通換向閥，中位閉合 3-position, 4-way, Spool, Closed Center



### 描述 DESCRIPTION

電磁驅動、三位四通、直動閥芯式、中位閉合、液壓螺紋插裝閥。

A solenoid-operated, 3-position, 4-way, direct-acting, spool-type, closed center, screw-in hydraulic cartridge valve.

### 工作原理 OPERATION

斷電時，SV10-47C 截止油液流向任何油口。線圈 1 通電時，允許油液從 ③ 流向 ④，以及從 ② 流向 ①。線圈 2 通電時，油液可以從 ③ 流向 ②，以及從 ④ 流向 ①。

在由于油缸面積比而造成工作油口流量不平衡的油路中，較大流量的回油應導入油口②。

雖然可以對油口①完全加壓，但其不用作閥的進油口。

When de-energized, the SV10-47C blocks flow to all ports. When coil #1 is energized, flow is allowed from ③ to ④, and from ② to ①. When coil #2 is energized, flow is allowed from ③ to ②, and from ④ to ①.

In circuits where work port flows are unequal due to cylinder ratios, the higher return flow should be directed to port ②.

While ① may be fully pressurized, it is not intended to be used as the inlet.

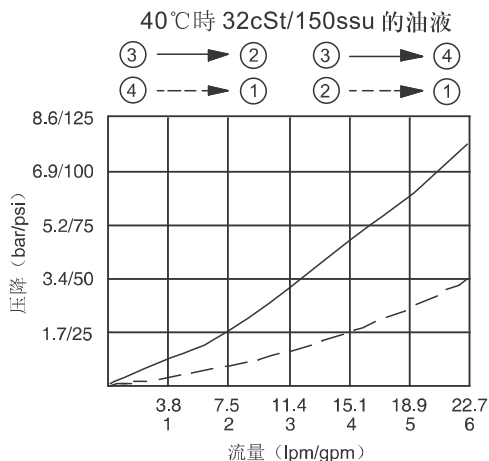
### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	240 bar 3500 psi
流量 FLOW	23 L/min 6 gpm
內漏 LEAKAGE	≤ 164 ml/min at 207 bar (3000 psi)
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
線圈額定負載 COIL DUTY RATING	可在85%至115%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 115% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC10-4

### 性能（只針對插件）

#### TYPICAL PERFORMANCE (Cartridge only)



### 訂貨型號

#### HOW TO ORDER

#### SV10-47C

選項 Option  
無 None

密封材料  
Seal Material  
N: 丁腈橡膠 Buna-N  
V: 氟橡膠 Viton

線圈電壓  
Coil Voltage

0: 無線圈  
12: DC 12V  
24: DC 24V  
115: AC 115V  
230: AC 230V

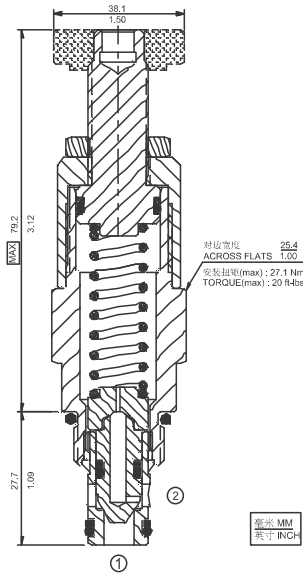
線圈終端  
Coil Termination

DG: DIN43650  
DL: 導線 Leadwires  
DR: Deutsch DT04-2P  
AG: DIN43650  
AP: 1/2 英寸導線管  
1/2 in. Conduit





## RV08-20 直動式溢流閥 Direct-Acting Poppet, Relief Valve



### 描述 DESCRIPTION

螺紋插裝、直動型、座閥式溢流閥，適用於要求極小內泄漏的低流量液壓回路。

A screw-in, cartridge-style, direct-acting, poppet-type, hydraulic relief valve intended for lower flow circuits requiring low internal leakage.

### 工作原理 OPERATION

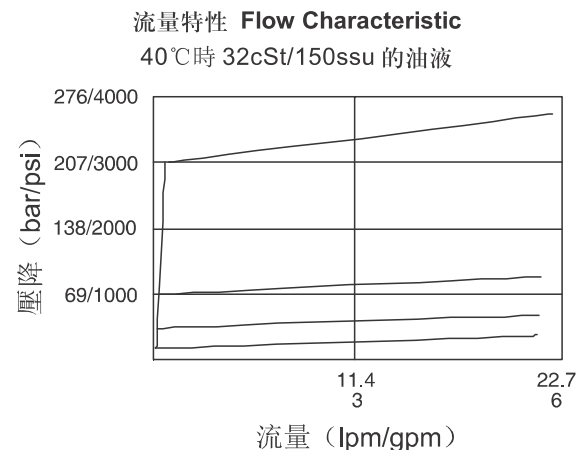
RV08-20 型，常態下 ① 流向 ② 封閉，直到①處受到足夠的液壓力克服彈簧力使閥芯離開閥座。

The RV08-20 blocks flow from ① to ② until sufficient pressure is present at ① to force the spring-opposed poppet from its seat.

### 特性 SPECIFICATIONS

### 性能（只針對插件） TYPICAL PERFORMANCE (Cartridge only)

符號 SYMBOL	
工作壓力 PRESSURE	248 bar 3600 psi
流量 FLOW	22 L/min 6 gpm
內漏 LEAKAGE	≤ 0.25 ml/min (5 drops/min) 在75%的開啓壓力下， at 75% of nominal setting
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30°C ~ +100°C BUNA-N -20°F ~ +210°F 氟橡膠 -20°C ~ +150°C VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC08-2



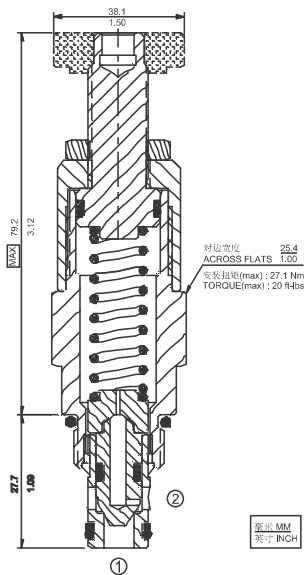
### 訂貨型號 HOW TO ORDER

RV08 - 20	調壓範圍 Spring Range
5: 3.5~35bar (50~500psi)	
11: 7~75bar (100~1100psi)	
23: 17~158bar (250~2300psi)	
36: 17~248bar (250~3600psi)	
調節機構 Adjusting Mechanism	密封材料 Seal Material
A: 1/4 吋內六角頭 1/4 in. Hex Allen Head	N: 丁腈橡膠 Buna-N
B: 直徑1-1/2 吋, 鋁合金手柄 1-1/2 in. Dia. Alum. Knob	V: 氟橡膠 Viton



## RV58-20 直動式高壓溢流閥

### RV58-20 直動式高壓溢流閥 Direct-Acting Poppet, High Pressure Relief Valve



#### 描述 DESCRIPTION

螺紋插裝、直動型、座閥式溢流閥，適用於較高壓力下要求極小內泄漏的低流量液壓回路。

A screw-in, cartridge-style, direct-acting, poppet-type, hydraulic relief valve intended for lower flow circuits requiring low internal leakage at higher pressures..

#### 工作原理 OPERATION

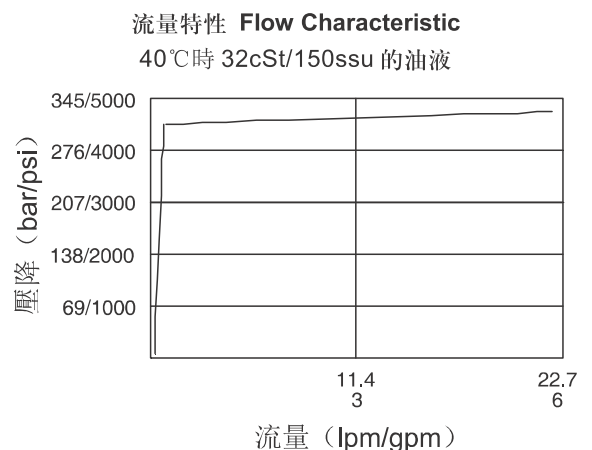
RV58-20 型，常態下 ① 流向 ② 封閉，直到①處受到足夠的液壓克服彈簧力使閥芯離開閥座。

The RV58-20 blocks flow from ① to ② until sufficient pressure is present at ① to force the spring-opposed poppet from its seat.

#### 特性 SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	345 bar 5000 psi
流量 FLOW	22 L/min 6 gpm
內漏 LEAKAGE	≤ 0.25 ml/min (5 drops/min) 在75%的開啓壓力下， at 75% of nominal setting
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC08-2

#### 性能（只針對插件） TYPICAL PERFORMANCE (Cartridge only)



#### 訂貨型號 HOW TO ORDER

RV58 - 20

調節機構  
Adjusting Mechanism

A: 1/4 寸內六角頭  
1/4 in. Hex Allen Head  
B: 直徑1-1/2 寸, 鋁合金手柄  
1-1/2 in. Dia. Alum. Knob

調壓範圍  
Spring Range

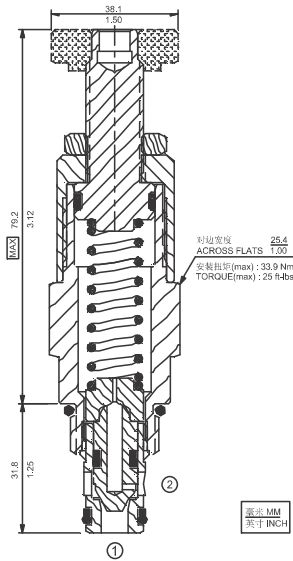
46: 28~317bar (400~4600psi)

密封材料 (僅指P上的壓力)  
Seal Material  
(Pressure on P Only)

P: 聚氨酯橡膠  
Polyurethane



## RV10-20 直動式溢流閥 Direct-Acting Poppet , Relief Valve



### 描述 DESCRIPTION

螺紋插裝、直動型、座閥式溢流閥，用作限壓裝置以保護液壓回路。

該閥適用於低泄漏，對負載變化快速響應的液壓回路。

A screw-in, cartridge-style, direct-acting, poppet-type, hydraulic relief valve intended for use as a pressure limiting device for common hydraulic circuit protection.

The cartridge offers fast response to load changes in typical hydraulic circuits requiring low internal leakage.

### 工作原理 OPERATION

RV10-20 型，常態下 ① 流向 ② 封閉，直到①處受到足夠的液壓力克服彈簧力使閥芯離開閥座。

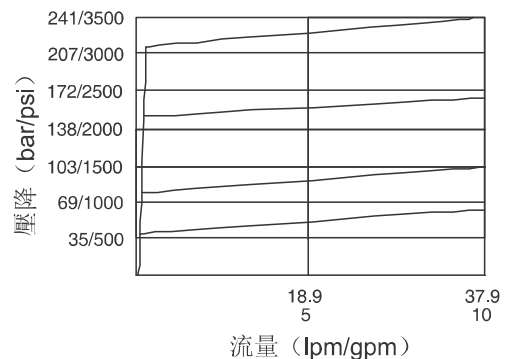
The RV10-20 blocks flow from ① to ② until sufficient pressure is present at ① to force the spring-opposed poppet from its seat.

### 特性 SPECIFICATIONS

### 性能（只針對插件） TYPICAL PERFORMANCE (Cartridge only)

符號 SYMBOL	
工作壓力 PRESSURE	228 bar 3300 psi
流量 FLOW	38 L/min 10 gpm
內漏 LEAKAGE	≤ 0.25 ml/min (5 drops/min) 在80%的開啓壓力下， at 80% of nominal setting
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30℃ ~ +100℃ BUNA-N -20°F ~ +210°F 氟橡膠 -20℃ ~ +150℃ VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC10-2

流量特性 Flow Characteristic  
40℃時 32cSt/150ssu 的油液



### 訂貨型號 HOW TO ORDER

RV10 - 20	調壓範圍 Spring Range
6:	3.5~41bar (50~600psi)
12:	10~82bar (150~1200psi)
23:	17~158bar (250~2300psi)
33:	17~228bar (250~3300psi)
調節機構 Adjusting Mechanism	密封材料 Seal Material
A: 1/4 寸內六角頭 1/4 in. Hex Allen Head	N: 丁腈橡膠 Buna-N
B: 直徑1-1/2 寸, 鋁合金手柄 1-1/2 in. Dia. Alum. Knob	V: 氟橡膠 Viton

A

B

C

D

E

F

G

H

I

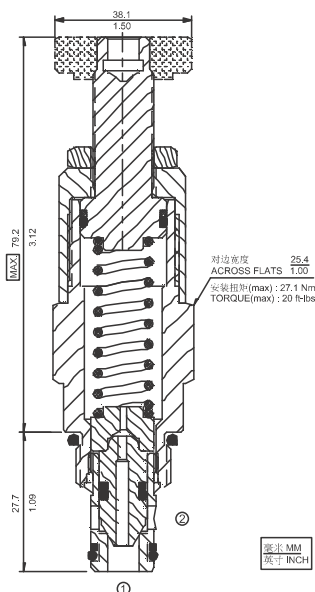
J

K

溢流閥



## RV08-22 差動式溢流閥 Differential Area Poppet, Relief Valve



### 描述 DESCRIPTION

螺紋插裝,直動型,差動型溢流閥,作為壓力限制裝置用于較苛刻的液壓回路,要求低滯后和極小內泄漏。該閥在常規液壓回路提供平滑過渡以響應負載壓力變化。

A screw-in, cartridge-style, direct-acting, differential area, poppet-type hydraulic relief valve for use as a pressure limiting device in more demanding hydraulic circuits, requiring low hysteresis and low internal leakage. The cartridge offers smooth transition in response to load changes in common hydraulic circuits.

### 工作原理 OPERATION

RV08-22 型, 常態下②流向①封閉,直到②處受到足夠的液壓力克服彈簧力使閥芯離開閥座。

The RV08-22 blocks flow from ② to ① until sufficient pressure is present at ② to force the spring-opposed poppet from its seat.

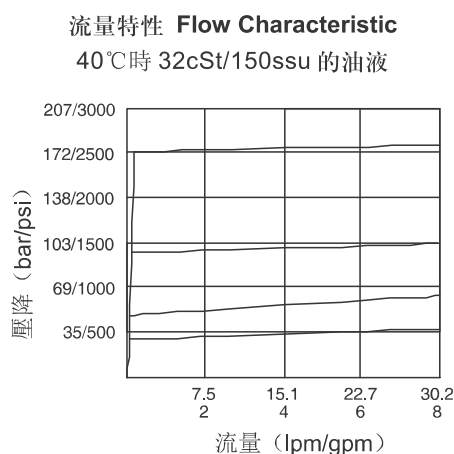
### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	220 bar 3200 psi
流量 FLOW	30 L/min 8 gpm
內漏 LEAKAGE	≤ 0.25 ml/min (5 drops/min) 在85%的開啓壓力下, at 85% of nominal setting
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30°C ~ +100°C BUNA-N -20°F ~ +210°F 氟橡膠 -20°C ~ +150°C VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC08-2

### 性能 (只針對插件)

#### TYPICAL PERFORMANCE (Cartridge only)



### 訂貨型號

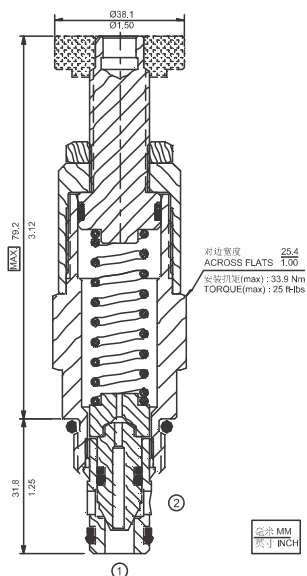
#### HOW TO ORDER

#### RV08 - 22

調節機構 Adjusting Mechanism	調壓範圍 Spring Range
A: 1/4 寸內六角頭 1/4 in. Hex Allen Head	4: 3.5~27.5bar (50~400psi) 9: 7~65bar (100~900psi) 17: 7~117bar (100~1700psi) 32: 17~220bar (250~3200psi)
B: 直徑1-1/2 寸, 鋁合金手柄 1-1/2 in. Dia. Alum. Knob	密封材料 Seal Material
	N: 丁腈橡膠 Buna-N V: 氟橡膠 Viton



## RV10-22 差動式溢流閥 Differential Area Poppet, Relief Valve



## 描述 DESCRIPTION

螺紋插裝,直動型,差動型溢流閥,作為壓力限制裝置用于較苛刻的液壓回路,要求低滯后和極小內泄漏。該閥在常規液壓回路提供平滑過渡以響應負載壓力變化。

A screw-in, cartridge-style, direct-acting, differential area, poppet-type hydraulic relief valve for use as a pressure limiting device in more demanding hydraulic circuits, requiring low hysteresis and low internal leakage. The cartridge offers smooth transition in response to load changes in common hydraulic circuits.

## 工作原理 OPERATION

RV10-22 型, 常態下②流向①封閉,直到②處受到足夠的液壓力克服彈簧力使閥芯離開閥座。

The RV10-22 blocks flow from ② to ① until sufficient pressure is present at ② to force the spring-opposed poppet from its seat.

## 特性

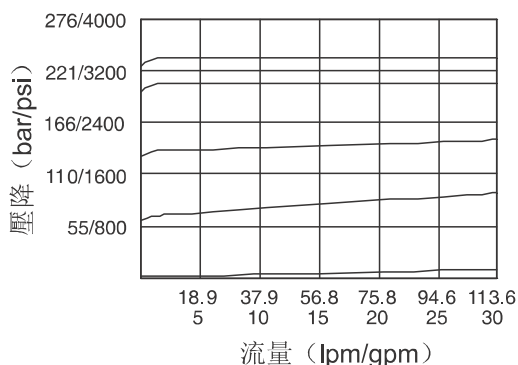
## SPECIFICATIONS

## 性能 (只針對插件)

## TYPICAL PERFORMANCE (Cartridge only)

符號 SYMBOL	
工作壓力 PRESSURE	241 bar 3500 psi
流量 FLOW	114 L/min 30 gpm
內漏 LEAKAGE	≤ 0.25 ml/min (5 drops/min) 在85%的開啓壓力下, at 85% of nominal setting
密封材料/溫度範圍 SEAL MATERIAL/ TEMPERATURE	丁腈橡膠 -30°C ~ +100°C BUNA-N -20°F ~ +210°F 氟橡膠 -20°C ~ +150°C VITON -4°F ~ +330°F
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
粘度 VISCOSITY	10.8~420 cSt 50~2000 ssu
閥孔 CAVITY	VC10-2

流量特性 Flow Characteristic  
40°C時 32cSt/150ssu 的油液



## 訂貨型號

## HOW TO ORDER

## RV10 - 22

調節機構 Adjusting Mechanism	調壓範圍 Spring Range
A: 1/4 寸內六角頭 1/4 in. Hex Allen Head	6: 10~41bar (150~600psi)
B: 直徑1-1/2 寸, 鋁合金手柄 1-1/2 in. Dia. Alum. Knob	13: 10~90bar (150~1300psi)
	25: 25~165bar (375~2400psi)
	35: 17~241bar (250~3500psi)
	密封材料 Seal Material
	N: 丁腈橡膠 Buna-N
	V: 氟橡膠 Viton



# NCV-01-NC-D\*\*-S 三通換向閥

## NCV-01-NC-D\*\*-S 三通換向閥 3-Way, Spool

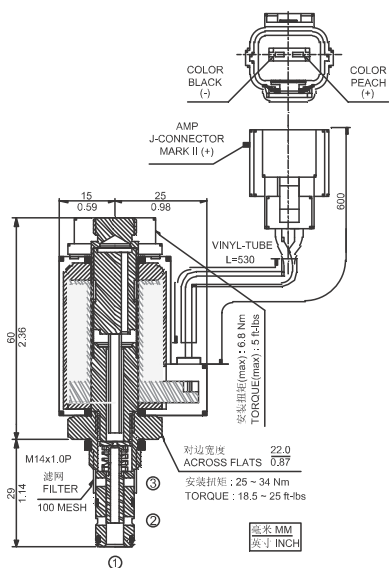
### 描述 DESCRIPTION

電磁驅動、3通、直動閥芯式、螺紋液壓方向閥。主要安裝於工程機械多路控制閥或變量泵的先導控制油路當中，用於控制先導回路的導通和切斷或者起壓和卸荷。

A solenoid-operated, 3-way, direct-acting, spool-type, screw-in hydraulic directional valve, mainly installed on the pilot control oil circuit of multiple unit valve or variable pump in the engineering machinery, for controlling the on and off of the pilot circuit or pressure and unloading.

### 工作原理 OPERATION

斷電時，允許油液從 ① 流向 ②，而在 ③ 處截止。通電后，插件的閥芯移動，從而接通 ③ 流向 ①，而在 ② 處截止。在 ① 可能容許的背壓小於13.7Mpa。When de-energized, the valve allows flow from ① to ②, while blocking flow at ③. When energized, the cartridge's spool shifts to open from ③ to ①, while blocking at ②. While ① may be permissible back pressure is less than 13.7Mpa.



### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	206 bar 3000 psi
最大壓力 MAX. PRESSURE	260 bar 3770 psi
流量 FLOW	3 L/min 0.82 gpm
內漏 LEAKAGE	≤ 15 ml/min at 98 bar (1400 psi)
工作油溫 OIL TEMP.	-20°C ~ +100°C -4°F ~ +210°F
粘度 VISCOSITY	5~500 cSt 23~2300 ssu
線圈額定負載 COIL DUTY RATING	可在85%至110%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 110% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
閥孔 CAVITY	NCV-01

### 特性

#### SPECIFICATIONS

壓力降 PRESSURE DROP	≤ 0.5 bar (7 psi) at 2 L/min (0.55 gpm)
響應時間 RESPONSE TIME	< 60 msec
浪涌電壓 SURGE VOLTAGE	< 1V (內建二極體) (DIODE BUILT-IN)
耐水性能 WATER PROOF	JIS D0203 S2
耐震性能 VIBRATION-RESISTING	JIS D1601 3 類 B 種 階段 45
電氣回路 ELECTRIC CIRCUIT	

### 訂貨型號

#### HOW TO ORDER

NCV - 01 - NC - D - S

線圈電壓  
Coil Voltage  
0: 無線圈  
12: DC 12V  
24: DC 24V





# ●● NCV-01-NO-D\*\*-O 三通換向閥

## NCV-01-NO-D\*\*-O 三通換向閥 3-Way, Spool

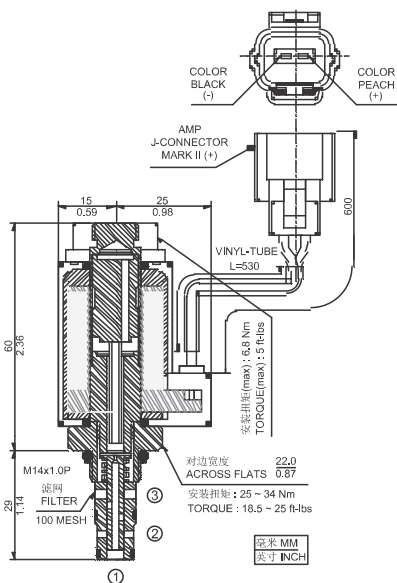
### 描述 DESCRIPTION

電磁驅動、3通、直動閥芯式、螺紋液壓方向閥。主要安裝於工程機械多路控制閥或變量泵的先導控制油路當中，用於控制先導回路的導通和切斷或者起壓和卸荷。

A solenoid-operated, 3-way, direct-acting, spool-type, screw-in hydraulic directional valve, mainly installed on the pilot control oil circuit of multiple unit valve or variable pump in the engineering machinery, for controlling the on and off of the pilot circuit or pressure and unloading.

### 工作原理 OPERATION

斷電時，允許油液從 ③ 流向 ①，而在 ② 處截止。通電后，插件的閥芯移動，從而接通 ① 流向 ②，而在 ③ 處截止。在 ① 可能容許的背壓小於13.7Mpa。When de-energized, the valve allows flow from ③ to ①, while blocking flow at ②. When energized, the cartridge's spool shifts to open from ① to ②, while blocking at ③. While ① may be permissible back pressure is less than 13.7Mpa.



### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	206 bar 3000 psi
最大壓力 MAX. PRESSURE	260 bar 3770 psi
流量 FLOW	3 L/min 0.82 gpm
內漏 LEAKAGE	≤ 15 ml/min at 98 bar (1400 psi)
工作油溫 OIL TEMP.	-20°C ~ +100°C -4°F ~ +210°F
粘度 VISCOSITY	5~500 cSt 23~2300 ssu
線圈額定負載 COIL DUTY RATING	可在85%至110%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 110% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
閥孔 CAVITY	NCV-01

### 特性

#### SPECIFICATIONS

壓力降 PRESSURE DROP	≤ 0.5 bar (7 psi) at 2 L/min (0.55 gpm)
響應時間 RESPONSE TIME	< 60 msec
浪涌電壓 SURGE VOLTAGE	< 1V (內建二極體) (DIODE BUILT-IN)
耐水性能 WATER PROOF	JIS D0203 S2
耐震性能 VIBRATION-RESISTING	JIS D1601 3 類 B 種 階段 45
電氣回路 ELECTRIC CIRCUIT	
訂貨型號 HOW TO ORDER	
NCV - 01 - NO - D - O └─ 線圈電壓 Coil Voltage 0: 無線圈 12: DC 12V 24: DC 24V	

A

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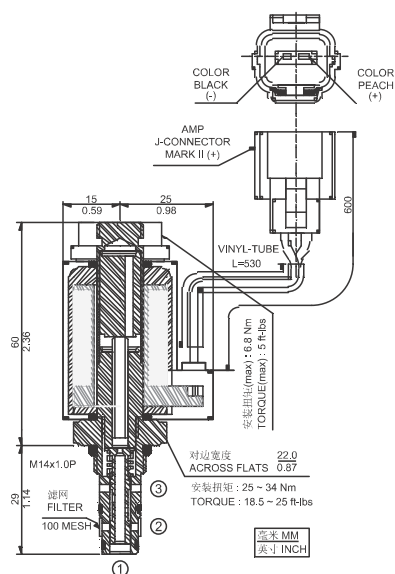
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換向閥



## NCV-01-NC-D\*\*-M 三通換向閥 3-Way, Spool



### 描述 DESCRIPTION

電磁驅動、3通、直動閥芯式、螺紋液壓方向閥。主要安裝於工程機械多路控制閥或變量泵的先導控制油路當中，用於控制先導回路的導通和切斷或者起壓和卸荷。

A solenoid-operated, 3-way, direct-acting, spool-type, screw-in hydraulic directional valve, mainly installed on the pilot control oil circuit of multiple unit valve or variable pump in the engineering machinery, for controlling the on and off of the pilot circuit or pressure and unloading.

### 工作原理 OPERATION

斷電時，允許油液從③流向①和①流向③，而在②處截止。通電后，插件的閥芯移動，從而接通②流向①，而在③處截止。在①可能容許的背壓小於13.7Mpa。When de-energized, the valve allows flow from ③ to ① and from ① to ③, while blocking flow at ②. When energized, the cartridge's spool shifts to open from ① to ②, while blocking at ③. While ① may be permissible back pressure is less than 13.7Mpa.

### 特性

#### SPECIFICATIONS

符號 SYMBOL	
工作壓力 PRESSURE	206 bar 3000 psi
最大壓力 MAX. PRESSURE	260 bar 3770 psi
流量 FLOW	3 L/min 0.82 gpm
內漏 LEAKAGE	≤ 15 ml/min at 98 bar (1400 psi)
工作油溫 OIL TEMP.	-20℃ ~ +100℃ -4°F ~ +210°F
粘度 VISCOSITY	5~500 cSt 23~2300 ssu
線圈額定負載 COIL DUTY RATING	可在85%至110%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 110% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
閥孔 CAVITY	NCV-01

### 特性

#### SPECIFICATIONS

壓力降 PRESSURE DROP	≤ 0.5 bar (7 psi) at 2 L/min (0.55 gpm)
響應時間 RESPONSE TIME	< 60 msec
浪涌電壓 SURGE VOLTAGE	< 1V (內建二極體) (DIODE BUILT-IN)
耐水性能 WATER PROOF	JIS D0203 S2
耐震性能 VIBRATION-RESISTING	JIS D1601 3 類 B 種 階段 45
電氣回路 ELECTRIC CIRCUIT	

### 訂貨型號

#### HOW TO ORDER

NCV - 01 - NC - D - M

線圈電壓  
Coil Voltage  
0: 無線圈  
12: DC 12V  
24: DC 24V



# NCV-01-PR 直動式比例減壓閥

## NCV-01-PR 直動式比例減壓閥 Direct-acting Proportional pressure reducing 描述 DESCRIPTION

直動式、螺紋液壓比例減壓閥。適用於換向閥、液壓油缸和變量泵的控制。特別在工程機械和車輛技術領域

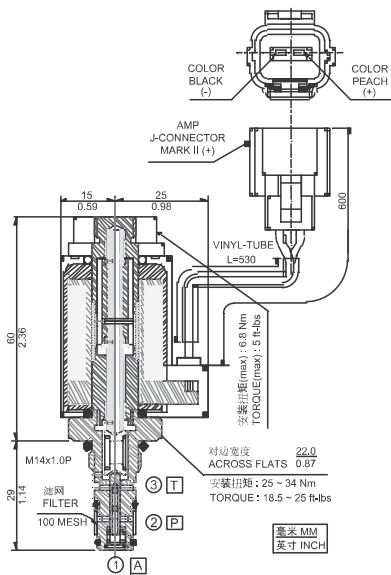
A direct-acting, screw-in hydraulic proportional pressure reducing valve.

The valve is suitable for the control of directional valves, variable pump and hydraulic cylinders, particularly those in the mobile and automotive technology sectors.

### 工作原理 OPERATION

比例減壓閥按電磁鐵電流的大小成比例地減低油口①處壓力，該壓力與②口的壓力無關。油口①處壓力作用於閥芯上克服電磁鐵推力。當比例電磁鐵斷電時，閥芯上的復位彈簧使①口與③口相連。

The proportional pressure reducing valve reduces the pressure in port ① in proportion to the solenoid current. It operates virtually independently from the pressure in port ②. The hydraulic pressure in port ① acts on a spool against the solenoid force. With the proportional solenoid de-energised, a return spring at the spool switches to the connection from ① to ③.



### 特性 SPECIFICATIONS

符號 SYMBOL	
P 口工作壓力 P PORT OPERATING PRESSURE	260 bar 3770 psi
最大壓力 MAX. PRESSURE	206 bar 3000 psi
流量 FLOW	2 L/min 0.55 gpm
內漏 LEAKAGE	P→A: ≤ 50 ml/min A→T: ≤ 15 ml/min at 49 bar (700 psi)
工作油溫 OIL TEMP.	-20℃ ~ +100℃ -4°F ~ +210°F
粘度 VISCOSITY	5~500 cSt 23~2300 ssu
線圈額定負載 COIL DUTY RATING	可在85%至110%的額定電壓範圍內連續工作 CONTINUOUS FROM 85% TO 110% OF NOMINAL VOLTAGE
過濾 FILTRATION	≤ 25 MICRONS
介質 FLUID	礦物油或具有潤滑作用的合成油 MINERAL OIL OR SYNTHETIC FLUID WITH LUBRICANT PROPERTIES
閥孔 CAVITY	NCV-01

### 特性 SPECIFICATIONS

壓力降 PRESSURE DROP	P→A & A→T: ≤ 10 bar (140 psi) at 2 L/min (0.55 gpm)
壓力範圍 PRESSURE RANGE	0~27 bar 0~380 psi
浪涌電壓 SURGE VOLTAGE	< 1V (內建二極體) (DIODE BUILT-IN)
耐水性能 WATER PROOF	JIS D0203 S2
耐震性能 VIBRATION-RESISTING	JIS D1601 3 類 B 種 階段 45
電氣回路 ELECTRIC CIRCUIT	
訂貨型號 HOW TO ORDER	NCV - 01 - PR - D - E 線圈電壓 Coil Voltage 0: 無線圈 12: DC 12V 24: DC 24V

A

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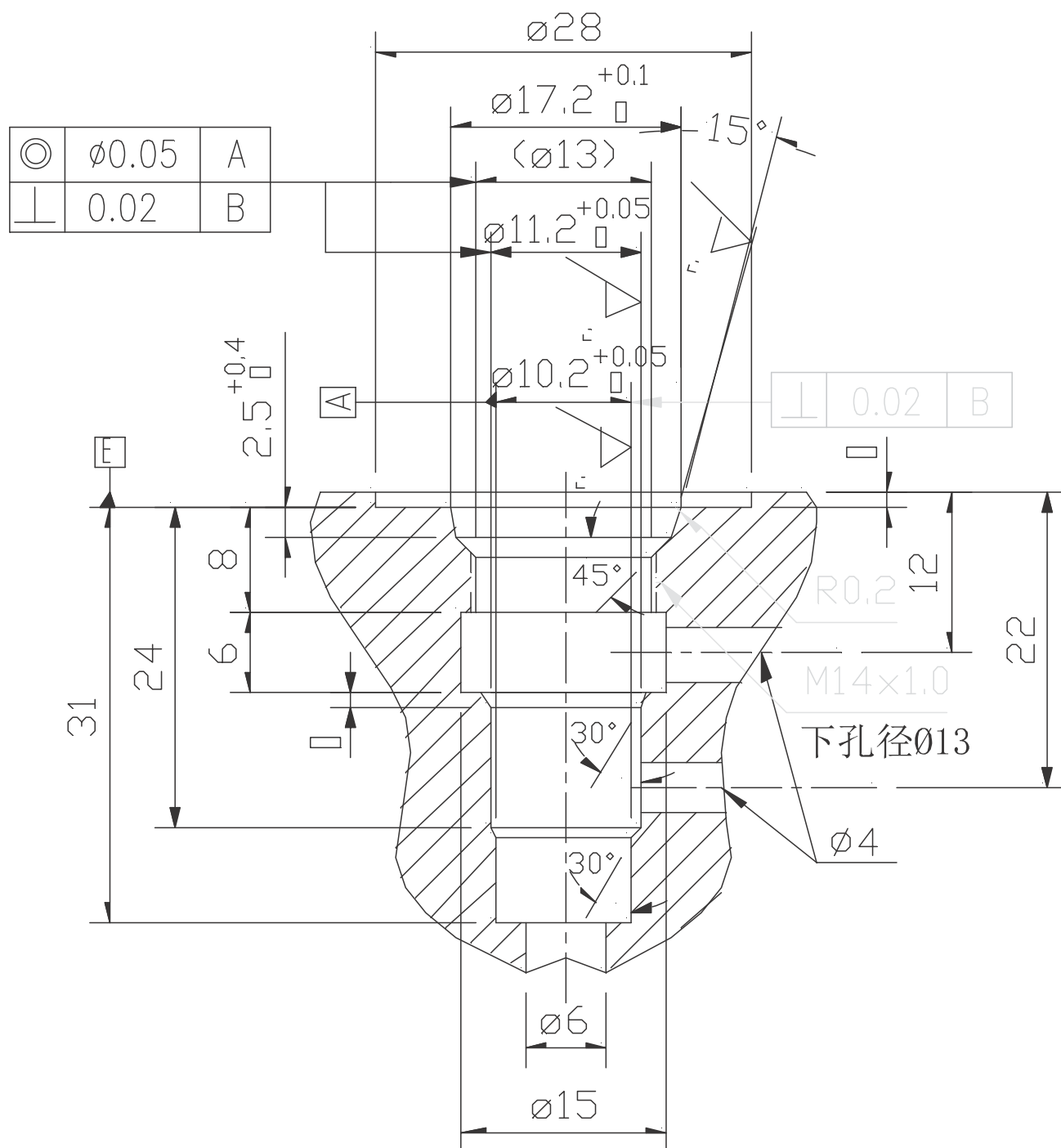
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減壓閥



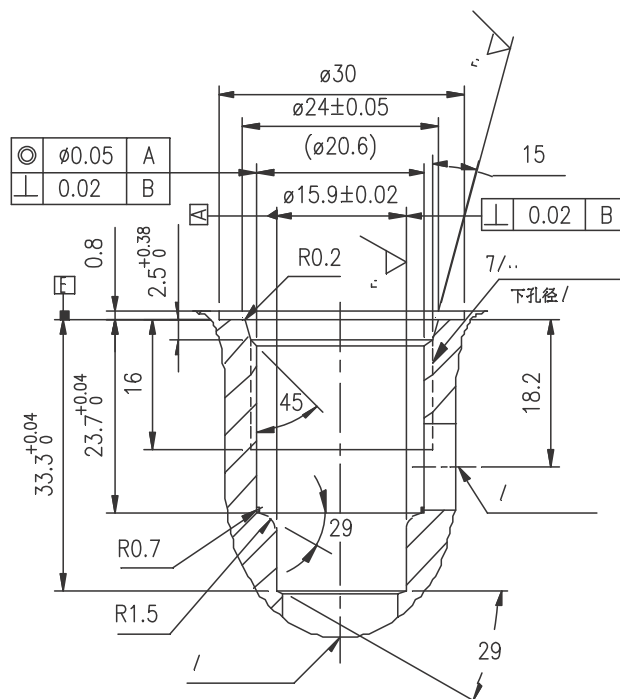
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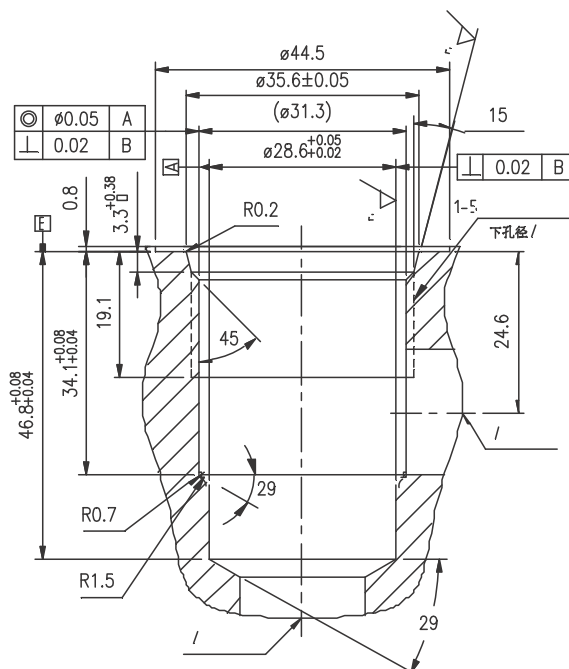


## 單位: mm

## VC10-2



## VC16-2



9

# 插装閥孔