

CARTRIDGE SOLENOID CHECK VALVE
插入式電磁止回閥

V3033 (HSV10)



Description

描述

A solenoid-operated, three-way, direct-acting, spool-type, screw-in hydraulic cartridge valve. When de-energized, the V3033-31 allows flow from ② to ①, while blocking flow at ③. When energized, the valve shifts to open from ① to ③, while blocking at ②.

電磁驅動、3 通、直動閥芯式、液壓螺紋插裝閥。斷電時，V3033-31 允許油液從 ② 流向 ①，而在 ③ 處截止。通電後，閥芯移動，從而接通 ① 流向 ③，而在 ② 處截止。

A solenoid-operated, three-way, direct-acting, spool-type, screw-in hydraulic cartridge valve. When de-energized, the V3033-33 allows flow from ③ to ①, while blocking flow at ②. When energized, the valve's spool shifts to open from ② to ①, while blocking at ③.

而在電磁驅動、3 通、直動閥芯式、液壓螺紋插裝閥。斷電時，V3033-33 允許油液從 ③ 流向 ①，② 處截止。通電後，閥芯移動，從而接通 ② 流向 ①，而在 ③ 處截止。

A solenoid-operated, three-way, direct-acting, spool-type, screw-in hydraulic cartridge valve. When de-energized, the V3033-34 allows flow from ② to ①, while blocking flow at ③. When energized, the valve's spool shifts to open from ② to ③, while blocking at ①.

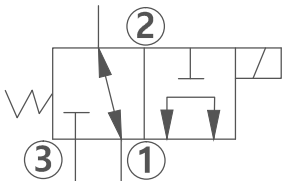
而在電磁驅動、3 通、直動閥芯式、液壓螺紋插裝閥。斷電時，V3033-34 允許油液從 ② 流向 ①，③ 處截止。通電後，閥芯移動，從而接通 ② 流向 ③，而在 ① 處截止。

When not energized, the valve V3033-53 3 is closed, and 1 and 2 flow in both directions. When energized, the valve V3033-53 1 is closed, and 2 and 3 flow in both directions. The valve is a poppet shaft structure, so the closed port has an excellent zero leakage function and does not communicate with other ports at all.

當不通電時，此閥V3033-53 ③封閉，①及②雙向流動。當通電時，此閥V3033-53 ①封閉，②及③雙向流動。此閥為提動軸結構，因此封閉口有極佳的零洩漏功能，完全不與其他油口相通。

Graphic Symbol

繪圖符號



Ordering Code

型號說明 V3033 1 @ 2 # 3 * 4 D24 5 DG 6 25 7

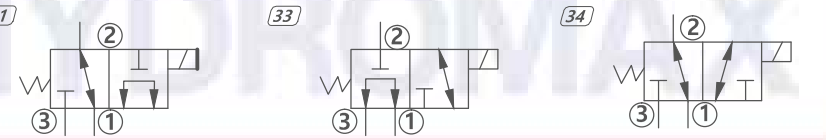
1

Cartridge solenoid
check valve
插入式電磁止回閥

V3033(10W-3) 三口二位 Poppet 3-way

2

Operation
油路方向功能選項



滑軸型 ② 流向 ① · ③ 處截止
通電後①流向 ③ · ② 處截止

滑軸型 ③ 流向 ① · ② 處截止
通電後②流向 ① · ③ 處截止

滑軸型 ② 流向 ① · ③ 處截止
通電後②流向 ③ · ① 處截止

3

Option:
with filter
附濾網裝置選項

S: With Filter
有濾網

N: Without Filter
無濾網

4

Option:
with manual
附手動輔助裝置選項

P: Push-style Manual Override
P: 推 (向外推移式)

M: Screw-out Konb Style
M: 旋鈕式(開) 逆時鐘方向 ↺

T: Push and Twist Style
T: 推桿附扭轉

N: Option
N: 標準(輔助裝置不可調)

Screw-in Konb Style
旋鈕式(開) 順時鐘方向 ↻

Manual Override
固定輔助裝置

5

Coil type
線圈型式

D12: DC12V
A22: AC220V

D24: DC24V
A38: AC380V

A24: AC24V
RA1: RAC220V

A11: AC110V
RA2: RAC220V

6

Terminations
接線方式

DG: DIN43650
插頭式

DL: Lead wires(2)
出線2條式

7

Max pressure
最高壓力

25: 250bar(3500psi)

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Technical Data

技術參數

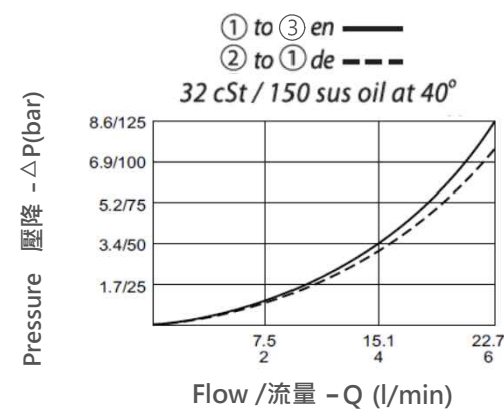
Max.Operating Pressure 最高壓力	Rated Flow 額定流量	Cavity-Tooling 成型孔	Installation Torque 安裝扭矩	Weight 重量
bar(psi)	(l /min)		(Nm)	(kg)
250(3500)	22.7 (V3033-31/34) 18.9 (V3033-33)	10W-3	44-56	0.47

Fluids- Temperatures 使用油溫範圍	Internal Leakage 最大內漏量	Filtration 過濾精度	Minimun Voltage Required 線圈需要的最低電壓
(°C)	80cc/minute	(um)	
-40~120°C	80cc/minute at 210bar	25	90% of nominal 額定電壓的90%

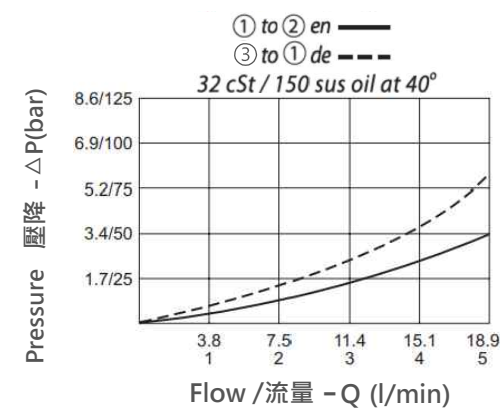
Specifications

技術數據

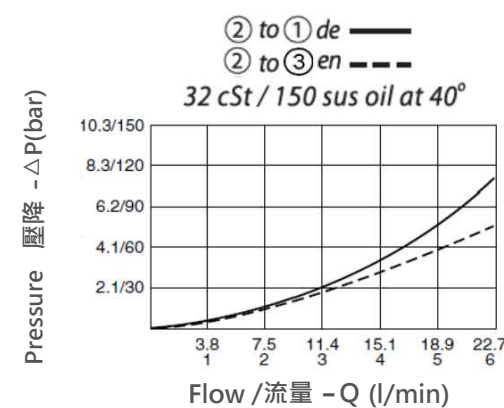
(V3033-31)



(V3033-33)



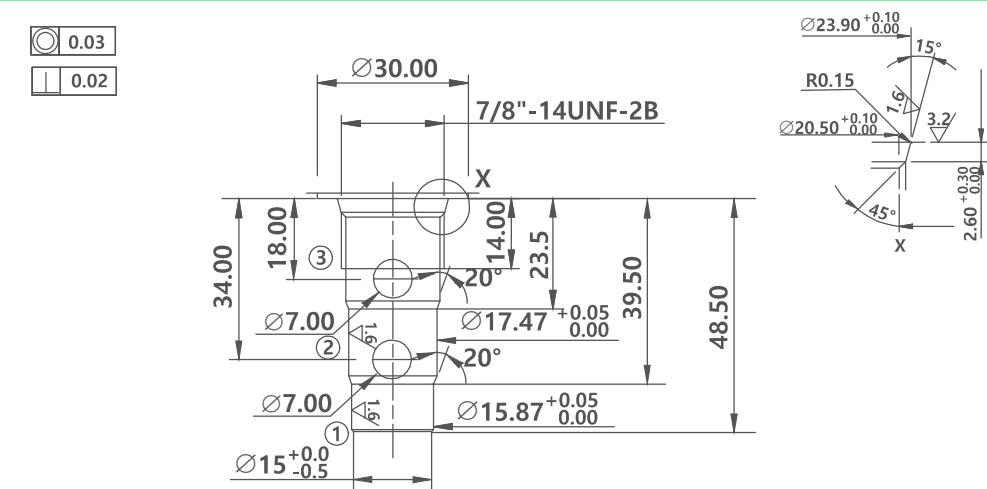
(V3033-34)



Cavity-Tooling

成型孔

Millimeters (m/m)



Dimension

外型尺寸圖

Millimeters/(inch)

