



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

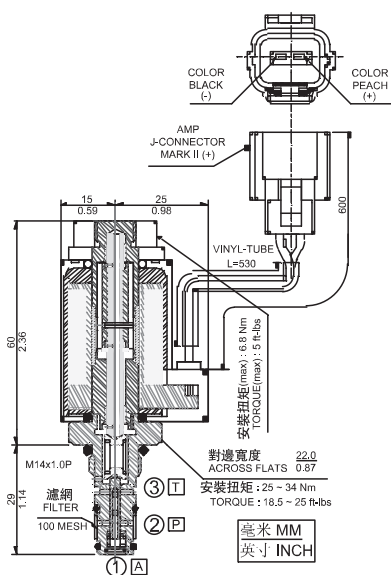
直動式、螺紋液壓比例減壓閥。適用於換向閥、液壓油缸和變量泵的控制。特別在工程機械和車輛技術領域

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

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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°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

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

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

A

B

C

D

E

F

G

H

I

J

K

減壓閥

