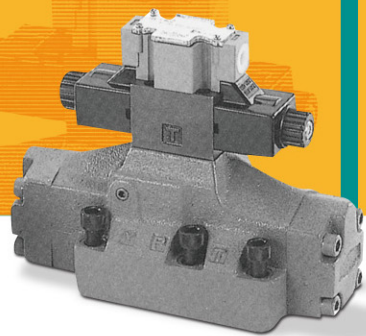


Solenoid Pilot Operated Directional Control Valves

電磁先導方向控制閥

VSS-010 Series

► Pmax. / 最大壓力--315bar(4500 psi) Qmax. / 最大流量--1100lpm(US 290 US gpm)
► ISO 4401 size 10 NFPA-D10 CETOP size 10 Din 24340 NG32

2728

Ordering Code / 型號說明

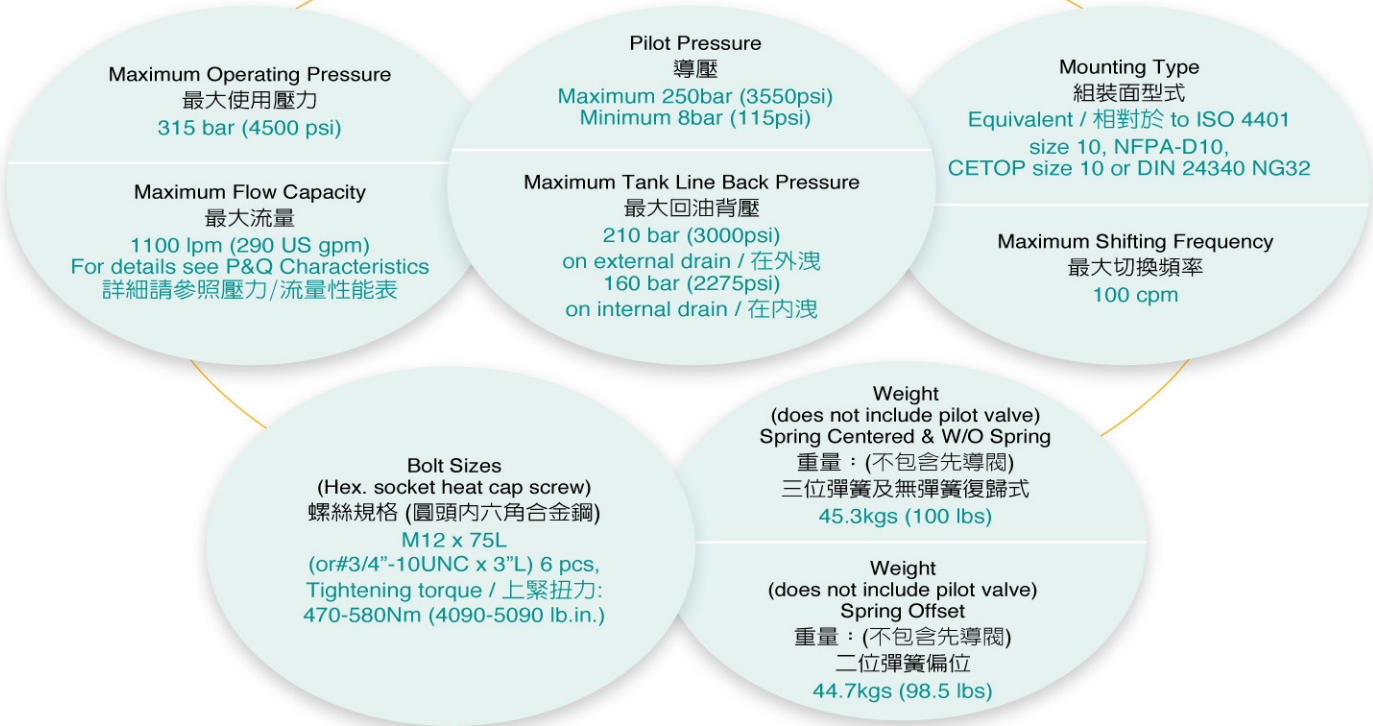
VSS - 10 - C2 - P D - U A - 10
1 2 3 4 5 6 7 8

1 Model Solenoid Pilot Operated Directional Control Valves 型式 電磁先導方向控制閥	2 Nominal Size and Mounting Surface 10: 1-1/4" ISO 4401 size 10 NFPA-D10 CETOP size 10 DIN 24340 NG32 口徑及組裝面型式 10: 1-1/4" ISO 4401 size 10 NFPA-D10 CETOP size 10 DIN 24340 NG32	3 Spool Type See P.3 and P.4 "Spool Type" 心軸型式 請參照 P.3 及 P.4 "心軸型式"
4 Pilot Type Blank: Omit for internal pilot (standard) P: External pilot 導壓型式 無：內導 (標準) P: 外導	5 Drain Type Blank: Omit for internal drain (standard) D: External drain 洩油型式 無：內洩 (標準) D: 外洩	6 Thread for bolts and female thread on pilot valve mounting surface (For details see Specification and Dimensions for each size) Blank: Omit for metric thread U: UNC thread 螺絲規格 (詳細請參照規格及尺寸圖) 無：公制牙 (標準) U: UNC 美規牙
7 Main Spool Stroke Limiter Blank: Omit for standard type A: Equipped on A port end B: Equipped on B port end W: Equipped on A & B port ends 中座行程調整器 無：標準 A: 附在 "A" 孔側 B: 附在 "B" 孔側 W: 附在 "A", "B" 孔側	8 Design Number 10 series 設計號 10 系列	

Note:
This Ordering Code is compatible with main valve but does not pilot valve. For details of pilot valve please see P.5 Ordering Code of Solenoid Directional Control Valves or consult HYDROMAX.

備註：
此型號說明僅適用中座、先導閥規格
請參照 P.5 或連絡聖譽

Specifications / 技術規格



P & Q Characteristics / 壓力及流量性能表

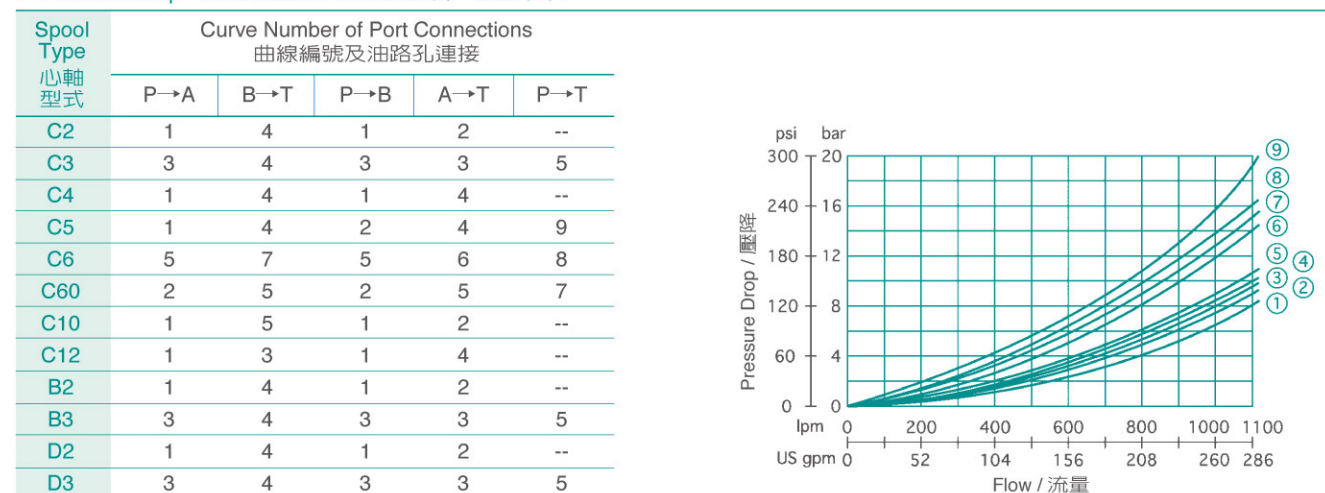
Spool Type 心軸型式	Maximum Flow Rate lpm (gpm) @ Different Pressure bar (psi) 最大流量 lpm (gpm) @ 不同壓力 bar (psi)				
	50 (710)	100 (1420)	150 (2130)	210 (3000)	250 (3550)
Spring Centered / 三位彈簧復歸 (P→A→B→T or P→B→A→T)					
C2	1100 (291)	1100 (291)	1100 (291)	990 (262)	950 (251)
C3	1100 (291)	1100 (291)	1100 (291)	1055 (279)	1035 (273)
C4	1100 (291)	1100 (291)	1100 (291)	1025 (271)	950 (251)
C5	1100 (291)	1100 (291)	1100 (291)	1040 (275)	980 (259)
C6	1100 (291)	1050 (277)	870 (230)	790 (209)	700 (185)
C60	1100 (291)	1050 (277)	925 (244)	860 (227)	785 (207)
C10	1100 (291)	1100 (291)	1100 (291)	1070 (283)	1040 (275)
C12	1100 (291)	1100 (291)	1100 (291)	1020 (270)	950 (251)
Spring Offset / 二位彈簧偏位 (P→A→B→T or P→B→A→T)					
B2	1100 (291)	1100 (291)	1100 (291)	1100 (291)	1100 (291)
B3	1100 (291)	1100 (291)	1100 (291)	1100 (291)	1100 (291)
W/O Spring / 二位無彈簧 (P→A→B→T or P→B→A→T)					
N2	1100 (291)	1100 (291)	1100 (291)	1100 (291)	1100 (291)
N3	1100 (291)	1100 (291)	1100 (291)	1100 (291)	1100 (291)

Note:
The above flow rates are tested by pilot pressure exceeding 8 bar (115 psi)

備註：
以上測試之先導壓力 8 bar (115 psi) 以上。

Performance Curves / 性能曲線

● Pressure Drop - Flow Characteristics / 壓降—流量特性



Test Conditions:

- Pressure: 70 bar (1000 psi)
- Flow: 1100 lpm (291 gpm)
- Fluid: ISO VG32
- Temperature: 50°C (122°F)

測試條件:

- 壓力: 70 bar (1000 psi)
- 流量: 1100 lpm (291 gpm)
- 作動油: ISO VG32
- 油溫: 50°C (122°F)

Viscosity / 粘度:

- The approximate pressure drop is based on the fluid viscosity 30 cSt (141 SSU) having 0.865 specific gravity. For any other viscosity the pressure drop will be changed as:
- 以上之流量壓降數據是依作動油粘度 30 cSt (141 SSU) 及比重 0.865，不同之粘度會產生不同之壓降。如下：

Viscosity / 粘度	cSt	15	20	40	50	60	70	80	90	100
	SSU	77	98	186	232	278	324	371	417	464
% of ΔP(approx. / 大約值)		95	109	116	124	128	133	137	141	145

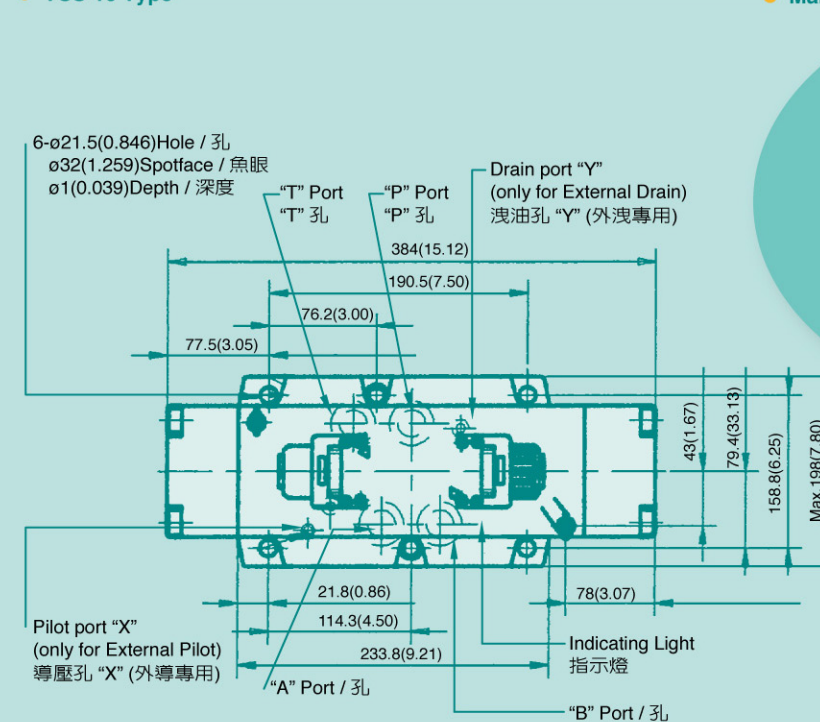
- For any other specific gravity G' the pressure drop ΔP' will be obtained approximately by the formula as follows:

$$\Delta P' = \Delta P \times (G'/0.865)$$

- 壓力降 ΔP' 與比重 G' 之計算公式為: $\Delta P' = \Delta P \times (G'/0.865)$

Dimensions / 尺寸圖

● VSS-10 Type



● Main Spool Stroke Limiter Type / 附行程調整器型式

