

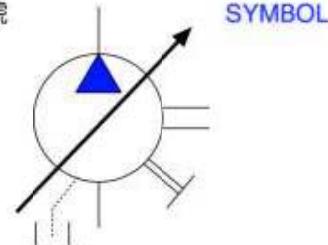


Variable Displacement Vane Pump

變量葉片泵



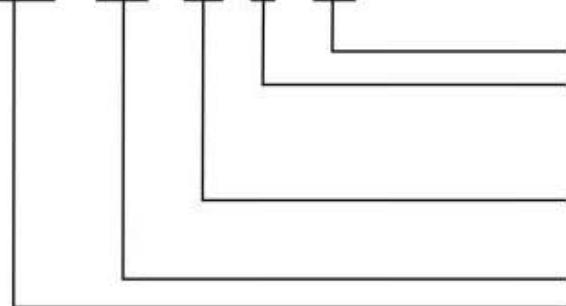
油壓記號



SYMBOL

型式號碼/ MODEL CODE

VCM - SM - 30 - B - 20



設計號碼

Design No.

壓力範圍

Pressure ranges

A:35 kgf/cm²C:105 kgf/cm²B:70 kgf/cm²D:140 kgf/cm²

泵排量

Displacement at 1800 rpm

30L,40L

30L, 40L

系列號碼：

Series No.

葉片泵系列

Vane pump series

產品特性:

- 1.高壓力、高效率、運轉平順。
- 2.低噪音、低振動，符合低噪音工作環境要求。
- 3.反應靈敏，動作精確度高。
- 4.壓力補償型調整裝置，提供穩定的操作特性。
- 5.結構簡單，容易維護及操作。

Feature:

1. High efficiency, high-pressure, operation.
2. Extremely low vibration and noise level.
3. Instant and sharp cut-off characteristics.
4. Sturdy structure for high efficiency and long service life.
5. Easy adjustment in handling and maintenance.

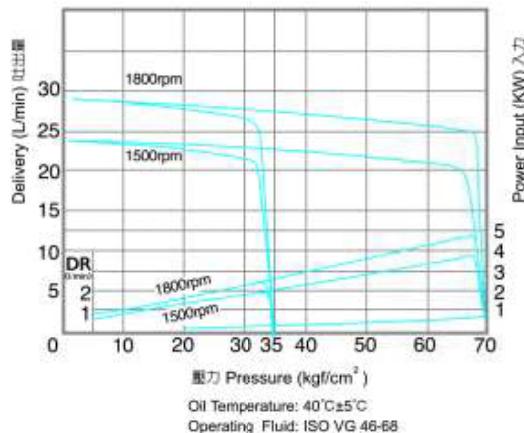
技術資料/ TECHNICAL DATA

型式 MODEL	泵排量 (無負荷時) DELIVERY AT NO LOAD (L/min)		壓力調整範圍 PRESSURE ADJ. RANGE (kgf/cm ²)	容許回轉速 SHAFT SPEED RANGE (rpm)		最高壓力 MAX. PRESSURE (kgf/cm ²)	重量 WEIGHT (kg)
	1800rpm	1500rpm		最高 MAX.	最低 MIN.		
SM-30A			15-35			35	9.7
SM-30B			20-70			70	9.7
SM-30C	30	25	50-105	1800	800	105	9.7
SM-30D			70-140			140	9.7
SM-40A	40	35	15-35	1800	800	35	9.7
SM-40B			20-70			70	9.7

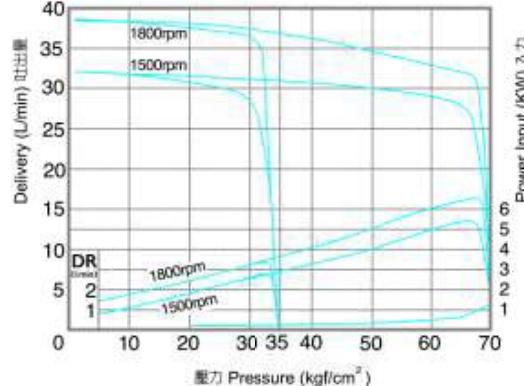


性能曲線圖/PERFORMANCE CURVES

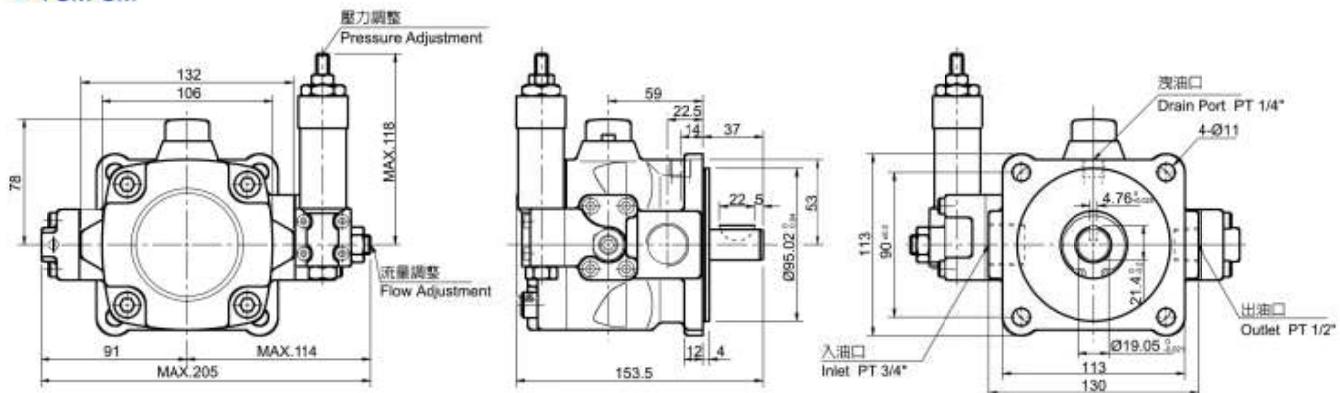
SM-30※-20



SM-40※-20



■ VCM-SM



操作須知:

- 轉動方向:標準泵的回轉方向乃以從軸心方向時正視為順時針方向。
- 液壓油:70 kgf/cm²以下，40°C時，黏度為30-50 cSt(ISO VG 32)的液壓油。
70 kgf/cm²以上，40°C時，黏度為50-70 cSt(ISO VG 32)的液壓油。
- 洩油管:洩油管請務必連接到油箱液面下，背壓請保持在0.3 kgf/cm²以下。
- 工作油溫:連續運轉溫度約為15~60°C。
- 軸心配差:泵與馬達軸心偏心誤差須在0.05mm以下，角度誤差1°。
- 吸油壓力:吸油口壓力必須低於-0.3 kgf/cm²。
- 流量調整:調整流量時須先放鬆螺帽，再旋轉調整螺絲。右轉時為減量反之則為增量，調整完畢請務必鎖緊螺帽。
- 壓力調整:右轉壓力調整螺絲則輸出壓力降低，左轉則升高。
- 初次使用:請在無負載狀況下先行反覆啓動馬達，以排除管路及泵中的空氣。為確保泵系統中所含空氣已排除，請讓泵浦在無負載狀況下運轉十分鐘。

Handling

- The rotation of VCM-SM pump is clockwise when viewed from the shaft end.
- The drain pipe is directly connected to the oil tank and the position must be below the level of oil.
- Keep the suction pressure within -0.3 kgf/cm² at the suction port.
- Pressure adjusting screw is turned clockwise to increase pressure and Counterclockwise to decrease pressure.
- Flow adjusting screw is turned clockwise to increase flow and counterclockwise to decrease flow.
- For proper alignment of pump and electric motor shaft, the eccentricity between them must be kept within 0.05mm and the eccentric angle error between them must be kept within 1°.
- When pressure is under 70 kgf/cm² the viscosity of oil must be within 30-50 cSt, when pressure is over 70 kgf/cm² the viscosity of oil must be within 50-70 cSt, at the temperature of 40 °C.
- When first time operation, the pump should be at no-load state-on delivery side and be repeated on and off the electric motor a number of times to make sure the air have been bled out of the system.