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惠眾液壓

 HUIZHONG HYDRAULIC MACHINERY

專注于液壓系統

Professional in Hydraulic System

2013版 2013edition



好服務 找惠眾

Everything For Customers

Http: www.dgyeya.cn

公司簡介

COMPANY PROFILE

惠衆的文化：
Corporate Philosophy
精益求精 提升自我
Making the Product Better, Making Ourselves Better
創新發展 熱心公益
Cultivating Innovation Spirit and Public Spirit

東莞市惠衆液壓機械有限公司座落中國最具魅力的城市、中國製造業名城——東莞，緊臨東莞市汽車總站，交通十分便利。

我廠秉承“精益求精，提升自我，創新發展，熱心公益”的宗旨，堅持走質量路線，合理的價格，熱誠的服務，贏得了廣大客商真誠的、密切的合作。爲您製造優良的產品及真誠的服務是我們的追求，贏得您的滿意才是我們的成功。

Our company was established in 2003 and has been specializing in manufacturing hydraulic cylinder and hydraulic system since then. And our company has passed the evaluation of ISO9001 Quality Management System Successfully.

The main products is hydraulic cylinder including HC hydraulic thin-type cylinder, CHS hydraulic swing clamp cylinder, MO series light duty oil cylinder, HOB series heavy duty hydraulic cylinder and HSG high pressure welded cylinder.

After the professional designing of the engineer and workers' careful machining, the products will undergo a series of strict testing process so as to tally with the quality standard. Our excellent work group is always practicing the motto that "everything for customers".

企業文化 Corporate Culture



公司外景 Entrance



公司文化活動
Culture Activities



公司文化活動
Culture Activities



數控車床組 NC Lathes



加工中心組 Machining Centers



車床組 Lathes



銑床組 Milling Machines



自動焊接機床
Automatic Welding Machines



我們致力於推動公益服務事業的發展，
有您的支持，才會讓我們走得更遠！

We are committed to public welfare establishment, and we need your hand to make it a better world.

液壓系統使用實例

INSTANCES OF THE HYDRAULIC SYSTEM USAGE



waste-compacting station
環保運輸壓縮站



nonwovens producing machine
PP紡粘非織（無紡布）設備



NC Feeding and leveling machine
NC送料整平機



Far infrared heating embossing machine
遠紅外線加熱壓紋機



Silica gel extruder
硅膠壓出機



Single screw rod wave tile extruder
單螺旋杆波浪瓦壓出設備



Lifting platform
升降平台



NC Lathe
數控車床



Feeding and leveling machine
送料整平機



microcomputer controlled
automatic cloth dyeing machine
微電腦回轉自動噴布機



Small sheet compressor
小型片材壓縮機



Skew-type three-roller embosser
斜式三輥壓光機

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特點

- ① 嚴格挑選原材料及進行傳統熱處理的基礎上，採用先進的精密加工技術，保證了各種產品的卓越性能和質量。
- ② 對設備中產生噪音的關鍵處一液壓泵進行了徹底的低噪音化處理，像P系列柱塞泵、VD系列變量葉片泵，噪音低，運轉安靜。
- ③ 為使難燃性液壓油也可以廣泛適用於本產品，我們特別考慮材料挑選和表面處理等。

安裝 · 保養

- ① 驅動軸與液壓泵的偏心應在0.05mm以下，其角度誤差應在1°以內；連接時請使用彈性聯軸器。
- ② 傳動帶、齒輪和鏈條運轉時，請注意泵軸承受的向心力不能超過負荷量。必要時，請在軸上裝置減輕直接負荷力的設施。
- ③ 安裝時請選用剛性材料。
- ④ 運轉方向因各液壓泵而異。請按平板上的標記和殼體上箭頭所顯示的運轉方向確定正確的運轉方向。從軸端看應是順時針方向。
- ⑤ 吸油壓力請設置在-0.03~+0.03MPa (-0.3~+0.3kgf/cm²)之間。
- ⑥ 外泄油型液壓泵的泄油管可直接安裝在油箱裏面，其背壓應設在0.03MPa (-0.3kgf/cm²)以下。
- ⑦ 用油管連接吸油口和排油口兩邊時，請注意不要向液壓泵施加額外的壓力。
- ⑧ 聯軸器與液壓泵軸的連接部分，聯軸器的連接長度最少應在三分之二以上。同時，應使用與軸徑大小相適應的聯軸器。
- ⑨ 將聯軸器裝入泵軸時務必小心，取下的時候請使用專門工具。安裝或拆卸聯軸器時應避免敲打泵軸部分。

用語

目錄上規格說明所採用的用語意思如下：

- 額定壓力：可以連續使用時的最大壓力
- 最高使用壓力：循環時間的1/10以內、最長不超過6秒的狀況下，所能使用的最高壓力(包括浪涌壓力)
- 容許峰值壓力：瞬間所容許的最高壓力(設定壓力+浪涌壓力)

泵+電機組合

這是一種連接主泵與電機的單元，直接將液壓泵與電機連接起來。這種泵有變量葉片泵和柱塞泵。由於這兩者都與電機合理一體化，故安裝簡單，而且利於小型化，經濟實惠。

- 標準電機：全封閉防沫外包裝的表面法蘭盤冷卻自力型(全封閉外表扇形)。
3.7kW~4P以下E種絕緣
5.5kW~4P以上B種絕緣
電壓220V/380V...50/60Hz

液壓油的管理

- ① 請使用礦物油系列的ISO VG32~68#，中國北方地區淮河以北適用32#、長三角地區及四川地區適用46#、南方適用68#、國外地區使用方法請與我司工程部溝通。
- ② 吸油口請安裝100~150(網目)左右的吸油過濾器。
- ③ 進行高壓驅動或使用有難燃性的液壓油時，如果油受到污染，其使用壽命會大受影響，所以請使用25μm以下的過濾器。
- ④ 若要使用有難燃性的液壓油，其具體使用方式須另外諮詢。使用水乙二醇系列的液壓油時，其適宜的泵機種請與我公司相關工程師聯繫。

選擇液壓泵、電機時必要的計算公式

1、泵的排出流量

$$Q = \frac{q \cdot N \cdot \eta_v}{1000} \quad (\text{L/min})$$

q=每轉的排出量(cm³/rev)
N=回轉數(min⁻¹)
η_v=容量效率

2、驅動泵所必要的功率

$$W_{P1} = \frac{P \cdot Q}{60 \eta} \quad (\text{kW})$$

P=排出時的壓力(MPa)

η=全效率

3、電動機回轉數

$$N = \frac{120 \cdot f}{P} \quad (\text{min}^{-1})$$

f=頻率(50Hz、60Hz)

P=電機極數

HUIZHONG Hydraulic Pumps

Features

- The hydraulic pumps are finished by high-grade, precision machining technology. Carefully material selection and traditional heat treatment technology assured the high performance and quality of all models of hydraulic pumps.
- Noise has been thoroughly reduced on hydraulic pumps, a general source of noise on machinery and equipment. All models such as the low noise type P series piston pump and VD series variable displacement vane pump can be operated quietly with little noise.
- Management of Hydraulic Operating Attention has been paid to surface treatment and selection of materials in hydraulic pumps so that they can be applied extensively with fire-resistant hydraulic operating fluid.

- Set the clamping length of couplings and hydraulic pump shafts so that it is within at least 2/3 or more of the coupling width. Also, use a size of coupling that matches the shaft diameter.
- When inserting couplings into shafts, insert them gently. When removing couplings from shafts, be sure to use a pulley extractor. Avoid hitting the shaft when attaching or removing couplings.
- Connect to be suction port above the horizontal to keep oil inside hydraulic pumps.
- Provide an air bleed valve in circuits where it is difficult to release air at startup.
- Be sure to use only specified bolts on hydraulic pumps. Use 12T or equivalent.

Uni-pumps

Uni-pumps are compact pump/motor units which have a motor directly coupled to the hydraulic pump. Variable discharge volume type vane pumps and piston pumps are available. As each of these pumps are ideally integrated with the motor, they can be easily installed, and more compact equipment configurations can be achieved economically.

- Standard motor:
totally-enclosed splashproof housing surface flange cooled self-actuating type (totally enclosed fan-cooled type)
3.7 kW to 4P or less: Class E insulation
5.5 kW to 4P or more: Class B insulation
Voltage 220V/380V...50/60Hz

Management of Hydraulic Operating Fluid

- Limit the eccentricity between the drive shaft and hydraulic pump shaft to 0.05 mm, keep the angle error within 1° and use flexible couplings for connections.
- When operating hydraulic pumps with belts, gears and chains, prevent a radial or thrust load exceeding the allowable value from being applied on the pump shaft. Also, if necessary, install a device that prevents a load (bending force) from being applied at right angles on the shaft. Mount hydraulic pumps so that the pump shaft is horizontal.
- Use a rigid pump mounting base.
- The direction of rotation is determined on each hydraulic pump. Operate the hydraulic pump in the correct direction of rotation after checking the indicated model No. on the nameplate or the arrow indicating the direction of rotation on the body. The direction of rotation is clockwise when viewed from the shaft end.
- Limit the suction pressure to within the range -0.03 to +0.03 MPa (-0.3 to +0.3 kgf/cm²).
- With external drain type hydraulic pumps, directly connect the drain to the tank, insert the drain pipe under the oil level, and limit the drain back pressure to 0.003 MPa (0.3kgf/cm²).
- When connecting steel pipes to the suction and discharge sides, prevent force pressure from being applied on the hydraulic pump by the piping.

Terms Used in This Catalog

The following describes the meanings of the following terms used in this catalog:

- Rated pressure:
The maximum pressure at which a hydraulic pump can be used continuously.
- Maximum operating pressure:
The maximum pressure (including surge pressure) at which a hydraulic pump can be used within six seconds at most within 1/10 of the cycle time.
- Allowable peak pressure:
The maximum pressure (set pressure+surge pressure) that can be momentarily allowed
- The following shows the standards in Lists of Sealing Parts:
JIS standard B2401 (O-ring)
JIS standard B2407 (backup ring)
SAE standard AS568 (O-ring)

Calculation Formula Required when Selecting Hydraulic Pumps and Motor

- Pump discharge flow rate
$$Q = \frac{q \cdot N \cdot \eta_v}{1000} \quad (\text{L/min})$$

q=discharge volume per rotation (cm³/rev)
N=revolution speed (min⁻¹)
 η_v =volume efficiency
- Power required for pump drive
$$W_{P1} = \frac{P \cdot Q}{60 \eta} \quad (\text{kW})$$

P=discharge pressure(MPa)
 η =overall efficiency
- Motor revolution speed
$$N = \frac{120 \cdot f}{P} \quad (\text{min}^{-1})$$

f=frequency(50Hz, 60Hz)
P=number of motor poles

(惠眾標準變量泵液壓站)

惠眾液壓泵站裝置是安裝有變量葉片泵或變量柱塞泵的小型低價標準液壓站,是具有低噪音、低發熱特點的節能型和信賴度極高的節能液壓站。請從這些性能得到了較大改善的系列元件、容量為10L~600L的多種機種中選擇最適合的惠眾液壓泵站裝置。

特點

節能高性能

因為安裝的是低噪音、高效率的臺灣變量泵,所以具有低發熱、高性能和節能性。

選擇部件豐富

閥塊、冷卻器、端子箱、磁鐵分離器、油路塊、回油過濾器,由于任選部件很多,所以可以根據用途選擇最適合的元件。

選擇多樣化電路

通過集成化疊加閥,可以構成多種簡化回路。

價格低、交貨期短

通過構成元件的標準化和批量生產體制,降低價格、縮短交貨期。

●使用

- 泵的旋轉方向從軸端側看全部是向右旋轉的。
- 排出量、壓力調整情況請參照下表。
- 請使用一般礦油系列ISO vg32~68的抗磨液壓油(粘度指數為90以上)。

壓力	調整螺栓的 回轉方向	泵種類
	向右轉	VD, VP, HVP, P
排出量	向左轉	上升
	向右轉	減少
	向左轉	增加

規格

- 注) 1、有☆記號的為小型液壓泵站系列產品。
2、直接連接型方面,本公司采用的是泵+電機組合。
3、油溫界限以室溫+25℃為限,其設定條件是在滿負荷後連續運轉時,油箱安裝在通風良好的地方。
4、由于啟動電機時,需要卸載回路,所以請加以注意,有關該回路問題,請諮詢我們。
5、沒有特別指示的電裝方式和塗裝色,以惠眾規格為標準。

變量葉片泵系列

全系列電壓為AC380V/220V

型號	泵型號	連接	電機 (全外) kW、4P	油箱 容量 L	總輸出流量限制(注)的滿負荷壓力(MPa)(kgf/cm ²)			大體 重量 kg
					無負荷時 卸載時	卸載時及 冷卻裝置	壓力及 冷卻裝置	
☆ HYJ-10-**-V0A**	VD08B-12	直接 連接	0.4 0.75	10	3.5 (35.7)	-	-	23 27
☆ HYJ-20-**-V1A**	VD12B-12	直接 連接	0.75 1.5	20	3.5 (35.9)	-	-	28 30
☆ HYJ-30-**-V2A**	VD-16B-12	直接 連接	1.5 2.2	30	3.5 (35.77)	-	-	43 50
HBV-40-**-*****	VP-**-A1 A2	直接 連接	0.75 1.5	40	3.5 (35.7)	5.5 (56.1)	-	30 45
HBV-60-**-*****	VP-**-A1 A2	直接 連接	1.5 2.2	60	3.5 (35.7)	5.5 (56.1)	-	52 62
HBV-80-**-*****	VP-**-A1 A2	直接 連接	2.2 3.75	80	3.5 (35.7)	5.5 (56.1)	-	70 85
HBV-100-**-*****	HVP-**-A4 A5	直接 連接	3.75 5.5	100	7.0 (71.4)	10.5 (107.1)	14 (142.8)	95 105
HBV-120-**-*****	HVP-**-A4 A5	直接 連接	5.5 7.5	120	7.0 (71.4)	10.5 (107.1)	14 (142.8)	115 125

- 注) 1、在()型號上安裝電機時,請先與我們商談,特別是考慮到使用壓力和發熱的情況,更有必要。
2、在大于7MPa壓力情況下使用時,請安裝回油過濾器。
3、節能型100L油箱以下,AF0510散熱器是標準型裝置。

變量柱塞泵系列

全系列電壓為AC380V/220V

型號	泵型號	連接	電機 (全外) kW、4P	油箱 容量 L	總輸出流量限制(注)的滿負荷壓力(MPa)(kgf/cm ²)			大體 重量 kg
					無負荷時 卸載時	卸載時及 冷卻裝置	壓力及 冷卻裝置	
HBV-40-**-P8**	P-8-A0(A1) B0(B1)	直接 連接	0.75 1.5	40	5.0 (51.0)	-	-	75 80
HBV-40-**-P8**	P-8-A1(A2) B1(B2)	直接 連接	1.5 2.2	40	5.0 (51.0)	4 (42.8)	-	80 90
HBV-60-**-P16**	P-16-A0(A1) B0(B1)	直接 連接	1.5 2.2 3.7	60	7.0 (71.4)	14.0 (142.8)	-	90 95 115
HBV-80-**-P16**	P-16-A2(A3) B2(B3)	直接 連接	1.5 2.2 3.7	80	7.0 (71.4)	14.0 (142.8)	-	90 95 115
HBV100-**-P22**	P-22-A0, A1 B0, B1	直接 連接	3.7 5.5 7.5	100	7.0 (71.4)	14.0 (142.8)	-	120 135 145
HBV150-**-P22**	P-22-A2, A3 B2, B3	直接 連接	5.5 7.5 11	150	7.0 (71.4)	4 (42.8)	4.5 (214.2)	160 170 200
HBV-250-**-P36**	P-36-A2, A3 B2, B3	連軸 器	7.5 11 15	250	7.0 (70.4)	14 (142.8)	21 (214.2)	295 345 525 370
HBV400-**-P46**	P-46-A2, A3 B2, B3	連軸 器	11 15 18.5 22	400	7.0 (70.4)	14 (142.8)	21 (214.2)	525 545 580 605
HBV600-**-P70**	P-70-A2, A3 B2, B3	連軸 器	15 18.5 22 30	1000	7.0 (70.4)	14.0 (142.8)	21 (214.2)	640 680 705 770

HUIZHONG PACK

HUI ZHONG power station is a compact, low-cost standard unit that includes a variable vane pump or a variable piston pump. The power unit is low-noise, low-heat, energy-efficient, and highly reliable. The HUI ZHONG series has been expanded to include a choice of models that are optimized for a very wide range of needs. Available tank capacities range from 10L to 600L.

Features

Low energy, high efficiency

A built-in low-noise, high-efficiency HUI ZHONG variable pump ensures low-heat, high-efficiency, low-energy operation.

A rich range of options

A full selection of options include base block, cooler, terminal box, micro selector, oil pan, return filter, and more, so you can configure a unit that meets your particular needs.

A selection of versatile circuits

Virtually any type of simplified circuit can be configured using integrated modular valves.

Low cost, short lead time

Components are all standard and mass produced, so parts are readily available at low prices.

● Handling

- All pump rotation is clockwise (rightward) when viewed from the shaft side.
- See the table below for information about adjusting discharge volume and pressure.
- For operating fluid, use general mineral fluid type ISO VG32 to 68 or antiwear hydraulic oil (Viscosity Index : 90 or greater).

	Adjusting Screw Rotation Direction	Pump type
		VD, VP, HVP, P
Pressure	Clockwise	Increase
	Counterclockwise	Decrease
Discharge rate	Clockwise	Decrease
	Counterclockwise	Increase

Specifications

- Note) ① Items marked with a star are small type power station series items
② For direct connect type, use a Uni-pump.
③ Fluid temperature limit is room temperature +25℃ setting conditions are full cutoff continual operation, tank located in a well-ventilated area.
④ An unload circuit is required when the motor is started under condition A-△. Contact your agent about the unload circuit.
⑤ Unless specified otherwise, electrical systems and paint colors are HUI ZHONG standards

Variable Vane Pump Series		Power supply for all types is 380V/220V AC.					
Model No.	Pump Model No.	Connection	Motor (H External kW, 4P)	Tank Capacity L	Full Load Pressure (kgf/cm ²)	Full Load Flow (L/min)	Approx. Weight kg
☆ HYJ-10--V0A***	VD08B-12	Direct	0.4 0.75	10	35 (35.7)	-	23 27
☆ HYJ-20--V1A***	VD12B-12	Direct	0.75 1.5	20	4.5 (45.9)	-	28 30
☆ HYJ-30--V2A***	VD-16B-12	Direct	1.5 2.2	30	3.0 (30.6)	8.0 (81.6)	43 50
☆ HBY-40--V--*****	VP--A1 A2	Direct	0.75 1.5	40	4.5 (45.9)	9.0 (91.8)	30 45
☆ HBY-60--V--*****	VP--A1 A2	Direct	1.5 2.2	60	7.0 (71.4)	-	52 62
☆ HBY-80--V--*****	VP--A1 A2	Direct	2.2 3.75	80	3.5 (35.7)	6.5 (66.3)	70 85
☆ HBY-100--V--*****	HVP--A4 A5	Direct	3.75 5.5	100	4.5 (45.9)	7.0 (71.4)	95 105
☆ HBY-120--V--*****	HVP--A4 A5	Direct	5.5 7.5	120	4.5 (45.9)	7.0 (71.4)	115 125

- Note) 1. Contact your agent when mounting motors enclosed in parentheses. These motors require special handling concerning operating pressure, heat generation, etc.
2. Equip a return filter for pressures of 7MPa or greater.
3. Radiator AF0510 is equipped as standard with the energy saving type under 100L.

Variable Piston Pump Series		Power supply for all types is 380V/220V AC.					
Model No.	Pump Model No.	Connection	Motor (H External kW, 4P)	Tank Capacity L	Full Load Pressure (kgf/cm ²)	Full Load Flow (L/min)	Approx. Weight kg
☆ HBY-40--P8**	P-8-A0(A1) B0(B1)	Direct	0.75 1.5	40	5.0 (51.0)	-	75 80
☆ HBY-40--P8**	P-8-A1(A2) B1(B2)	Direct	1.5 2.2	40	5.0 (51.0)	13.0 (132.6)	80 90
☆ HBY-60--P16**	P-16-A0(A1) B0(B1)	Direct	1.5 2.2 3.7	60	7.0 (71.4)	14.0 (142.8)	90 95 115
☆ HBY-80--P16**	P-16-A2(A3) B2(B3)	Direct	1.5 2.2 3.7	80	7.0 (71.4)	14.0 (142.8)	90 95 115
☆ HBY100--P22**	P-22-A0, A1 B0, B1	Direct	3.7 5.5 7.5	100	8.5 (86.7) 7.0 (71.4)	14.0 (112.8) 12.5 (127.5)	120 135 145
☆ HBY150--P22**	P-22-A2, A3 B2, B3	Direct	5.5 7.5 11	150	7.0 (71.4)	10.0 (102.0)	160 170 200
☆ HBY-250--P36**	P-36-A2, A3 B2, B3	Coupling	7.5 11 15	250	9.5 (96.9) 7.0 (70.4)	12.5 (127.5) 9.5 (96.9)	295 345 525 370
☆ HBY400--P46**	P-46-A2, A3 B2, B3	Coupling	11 15 18.5 22	400	5.5 (56.1)	8.5 (96.9)	525 545 580 605
☆ HBY600--P70**	P-70-A2, A3 B2, B3	Coupling	15 18.5 22 30	1000	8.5 (86.7)	12.0 (122.4)	640 680 705 770

電機選擇法

how to order the motor

圖表上各種電機輸出功率曲線的下側是該電機額定輸出功率的可以使用範圍。

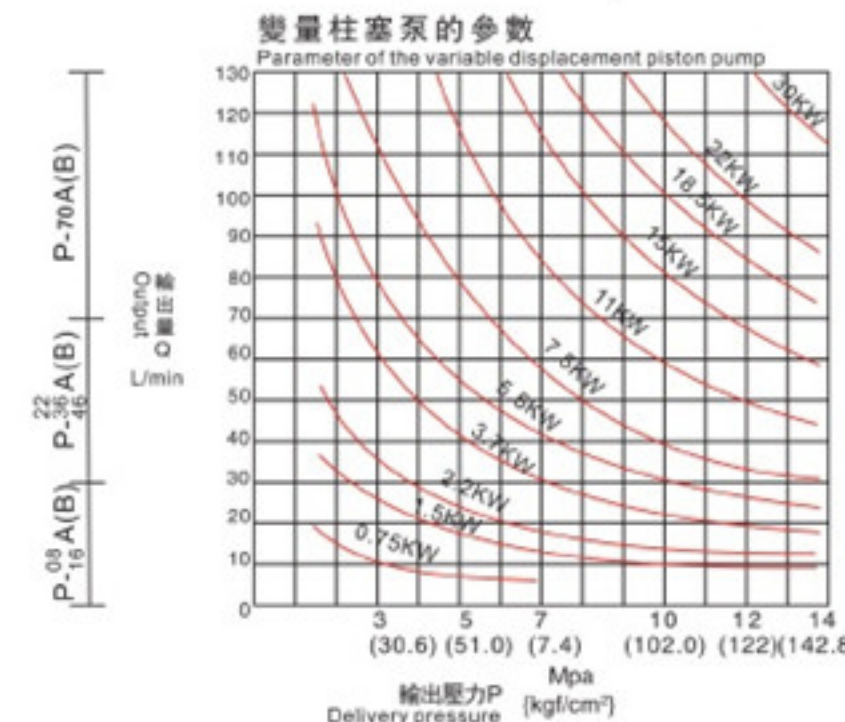
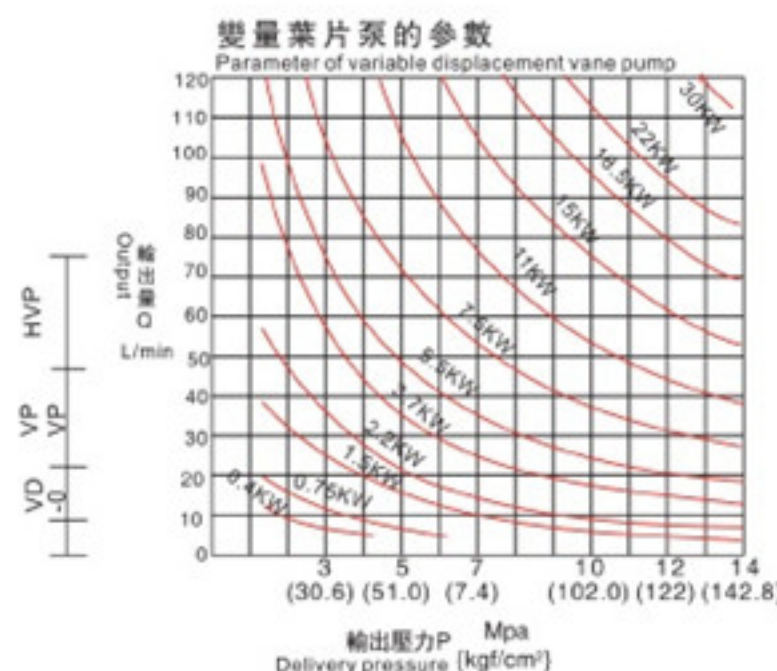
Under the electromechanical curve is its applicable scope in the graph.

(例) 求使用壓力為3.5MPa(35.7kgf/cm²)、輸出量為25L/min進的電機功率。

Example: when the pressure is 3.5MPa kgf/cm², the output is 25L/min, how to get the power of the motor

[解答方法] 如圖表上虛線所示, 壓力為3.5MPa(35.7kgf/cm²)、輸出量為25L/min時其交叉點上側的電機功率即為所求值, 為2.2kW。

Answer: As the dot line shown in the graph, the pressure is 3.5MPa kgf/cm², the output is 25L/min, the number above the cross point is the answer, 2.2kw.



立式定量葉片油泵站
vertical constant displacement vane pump



變量柱塞泵站
variable displacement power station



雙聯定量泵站
double pump constant displacement power station



定量齒輪泵站
constant displacement gear power station



立式定量柱塞高壓泵站
vertical constant piston high pressure power station



NC車床卡盤專用低噪音油站
dedicated low noise power station for NC lathe chuck

(緊湊型變量泵液壓系統)

compact type variable displacement pump hydraulic system

小型液壓系統廣泛應用於NC車床的夾盤開關和刀具臺的回轉、數控機床主軸上下動作等工作機械的動力能源。

“HUI ZHONG”型備有小型化、輕量化及高效率的液壓系統，本液壓系統有利於地球的環保，屬於節能型。

Small hydraulic systems are widely used as the power source of the swing of NC lathe's chuck plates switch and cutting tool table and the up-and-down movement of the numerically-controlled machine tool's main axle.
“HUI ZHONG” small, light and efficient hydraulic systems are environmental-friendly and energy saving.

特點 features

省空間、輕量化
space saving

為易于放置，油箱的容量被縮小，安裝空間也得以大幅度縮小。

Capacity of reservoir has been reduced to reduce the space it takes.

新結構且提高效率
new structure, efficiency improved

由于充分發揮了多年來的經驗與精良技術，泵的連接部分得到了很好的改良，新結構的高效率泵得到了應用。
After years of practice, the connection part of pump has been greatly improved and it makes the pump more efficient.

冷卻能力大幅度提高
the cooling capacity has been greatly improved

裝載了強力節能型的冷卻系統，不需要風扇馬達配線或冷卻水的配管。

High efficient and energy saving cooling system has been installed, there is no need of fan motor wiring and water cooling tube

規格 specification

項目 item	型號 model No	VD08	VD12	VD16
泵排量 displacement of pump	cm ³ /rev	8.0	12	16.0
最高壓力 maximum pressure	MPa	8.0 (81.6kgf/cm ²) (全閉壓力) full close pressure		
電機輸出功率 the motor output power	kW	0.75, 1.5	1.5	1.5, 2.2
油箱容量 reservoir capacity	L	10, 20, 30		
放置占據空間 needed placing room	mm	300x400, 300x500		
概算重量 rough weight	kg	50kg以內, 10, 1.5, 2.2kw, 不含選件 within 50kg, 10, 1.5, 2.2kw, optional accessories are not included.		

型號說明 model code

注) 1、泵排量與電機容量的組合，因有其他制約請參照選擇上的注意事項一欄的說明。

2、本公司有權在未對外預先通知的情況下更改設計號。

Note: 1 About the combination of pump output and motor capacity, if there is other request, please see points for attention about option

2 The company reserve the right to change the design number without advance notice

HJY-10-1HP V 0 A2-T

T: 油面計上附帶溫度計
thermometer is attached to the oil level gauge

壓力調整範圍(A: 定量排出計算) the adjustable range of pressure (A constant displacement calculation)
A2: 1.5~4.0MPa (3.5MPa) 壓力表 刻度 16MPa the degree scale of pressure gauge is 16MPa
A3: 3.5~6.0MPa (5.0MPa) 壓力表 刻度 25MPa the degree scale of pressure gauge is 25MPa
A4: 5.5~8.0MPa (7.0MPa) 壓力表 刻度 25MPa the degree scale of pressure gauge is 25MPa
注) () 內是出廠時全閉的設定值。Note: inside the () is the value when fully closed

流量調整範圍(最大排量) the adjustable range of flow (maximum output)

0: 8cm³/rev 2: 16cm³/rev

1: 12cm³/rev

注) 出廠時已設定上述最大值。Note: the maximum value has been set before delivery

泵種類: 變量葉片泵 type of pump: variable displacement vane pump

電機馬力: 1: 0.75kW; (1、2、3HP)

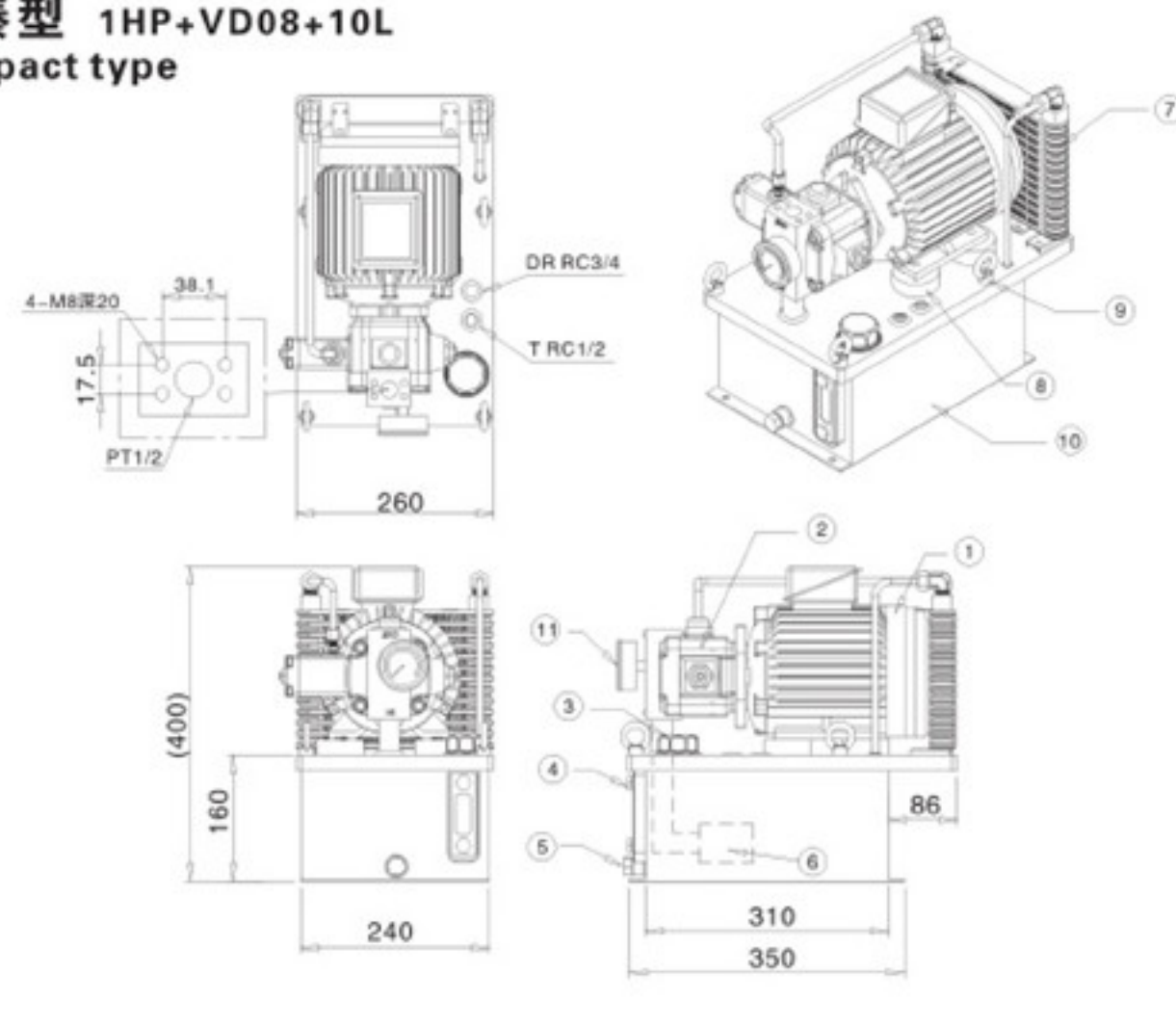
2: 1.5kW

3: 2.2kW

油箱容量: 10, 20, 30L
(也有特別的規格類型) there is also special

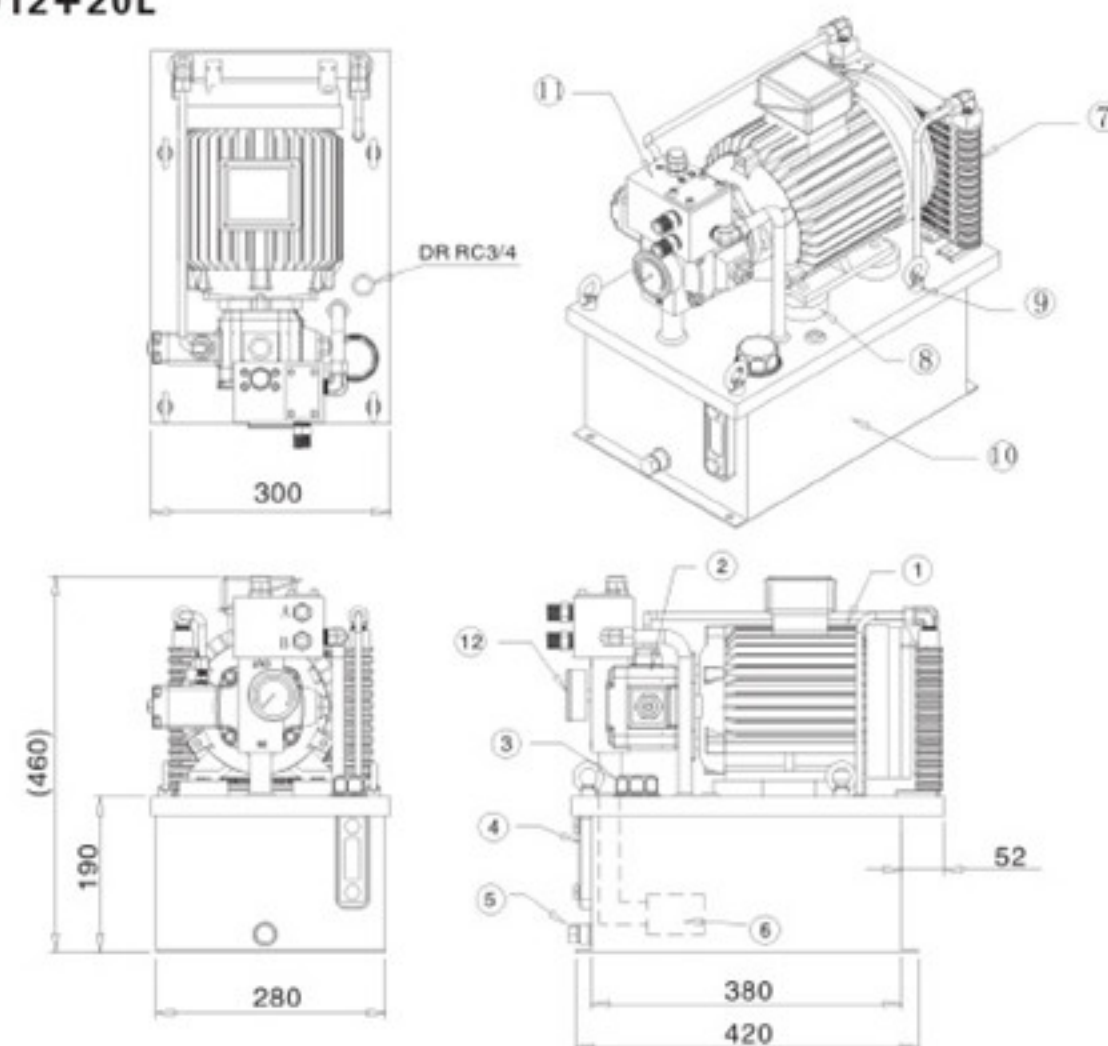
惠眾公司節能緊湊液壓站簡稱
abbreviation for HUI ZHONG energy saving compact power station

緊湊型 1HP+VD08+10L compact type



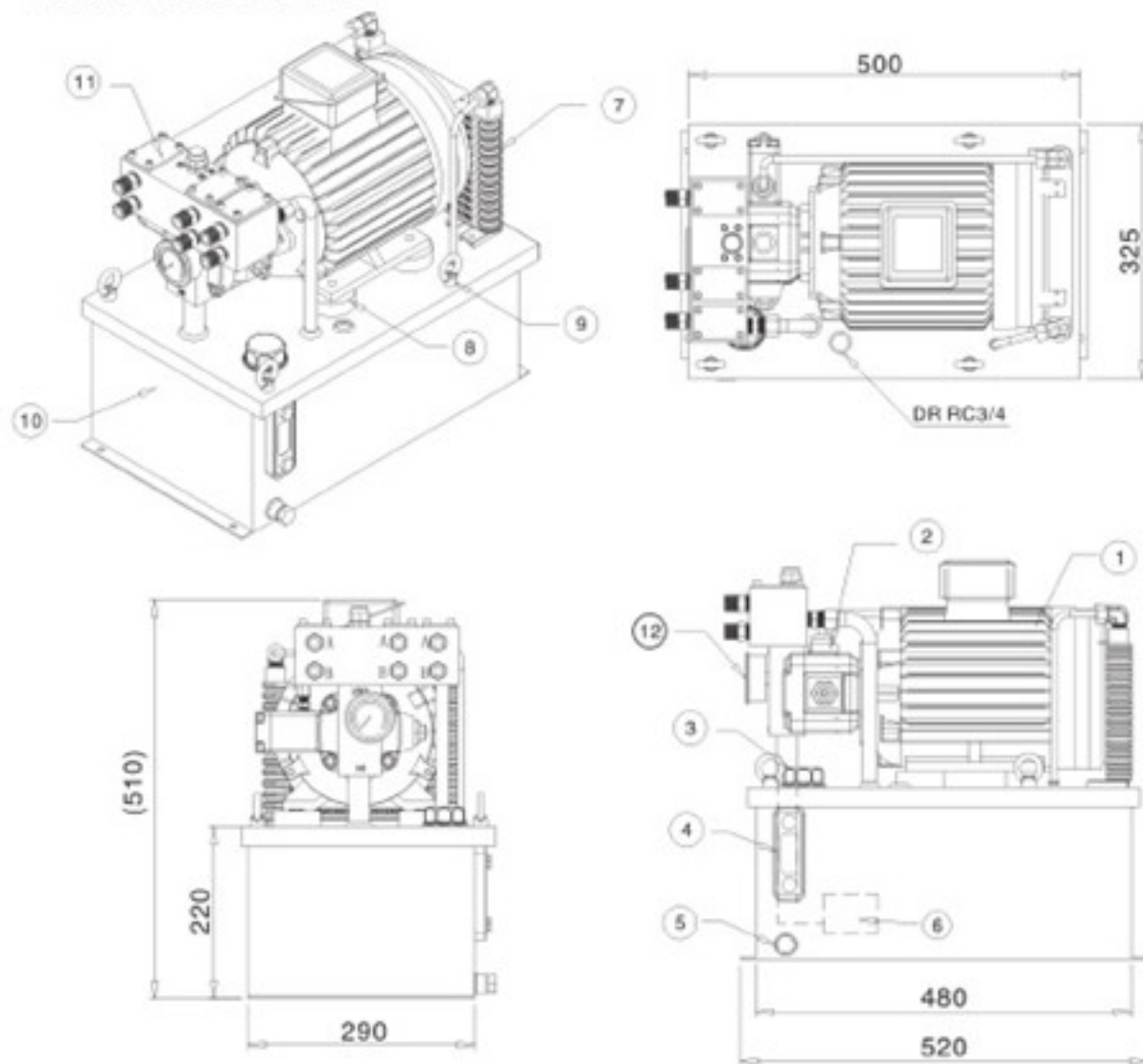
編號 number	名稱 name
1	電機 motor
2	油泵 pump
3	加油口 oil inlet
4	油面計 oil level gauge
5	放油口 oil outlet
6	吸油過濾器 suction filter
7	風冷風扇 cooler fan
8	橡膠軟墊 rubber cushion
9	吊環 ring
10	油箱 reservoir
11	油壓表 pressure gauge

2HP+VD12+20L



編號 number	名稱 name
1	電機 motor
2	油泵 pump
3	加油口 oil inlet
4	油面計 oil level gauge
5	放油口 oil outlet
6	吸油過濾器 suction filter
7	風冷風扇 cooler fan
8	橡膠軟墊 rubber cushion
9	吊環 ring
10	油箱 reservoir
11	油路板 (可選) manifold (optional)
12	油壓表 pressure gauge

3HP+VD16+30L



油路圖 Hydraulic circuit diagram

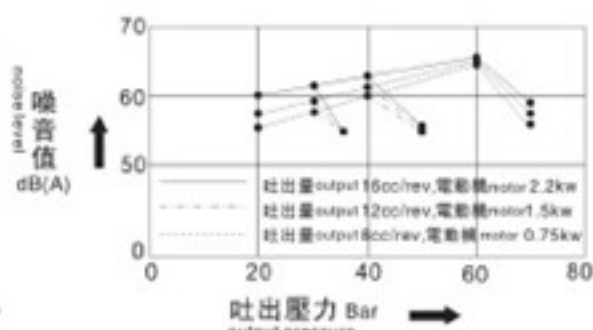


編號 No.	名稱 name
1	電機 motor
2	油泵 pump
3	加油口 oil inlet
4	油面計 oil level gauge
5	放油口 oil outlet
6	吸油過濾網 suction filter
7	風冷 wind cooler
8	橡膠軟墊 rubber cushion
9	吊環 ring
10	油箱 reservoir
11	油路板 (可選) manifold (optional)
12	油壓表 pressure gauge
13	單向閥 check valve

性能特性 Performance Features

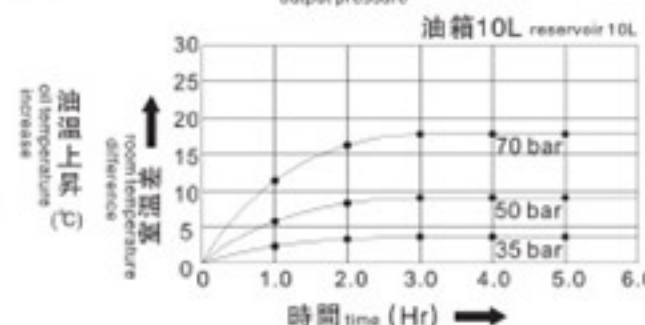
■ 噪音特性 Noise Variation

- 測試條件: testing conditions
- 1、使用油粘度: ISO VG32 1 the oil viscosity: ISO VG32
 - 2、油溫: 40±5℃ 2 oil temperature: 40±5℃
 - 3、回轉速: 1500min⁻¹ 3 rotating speed: 1500 min⁻¹
 - 4、測定距離: 油泵後方1m 4 testing distance: 1 meter behind the pump



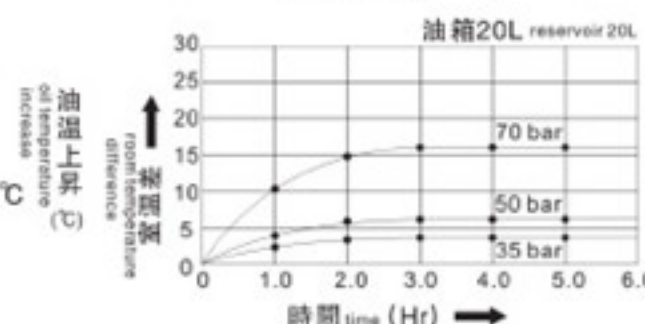
■ 溫升特性 Temperature Variation

- 測試條件: testing conditions
- 1、使用油粘度: ISO VG32 1 the oil viscosity: ISO VG32
 - 2、油溫: 室溫30℃ 2 oil temperature: room temperature 30℃
 - 3、回轉速: 1500min⁻¹ 3 rotating speed: 1500 min⁻¹
 - 4、電動機出力: 0.75~2.2kw 4 motor power: 0.75~2.2kw



■ 溫升特性 Temperature Variation

- 測試條件: testing conditions
- 1、使用油粘度: ISO VG32 1 the oil viscosity: ISO VG32
 - 2、油溫: 室溫30℃ 2 oil temperature: room temperature 30℃
 - 3、回轉速: 1500min⁻¹ 3 rotating speed: 1500 min⁻¹
 - 4、電動機出力: 0.75~2.2kw 4 motor power: 0.75~2.2kw



油站表示法

HBV-100L-3HP-***-***

選擇: 附表1(16頁)
Choice: attached table 1

泵功能: 附表2
The function of pump: attached table 2

泵型號: 附表2
Pump model: attached table 2

電機馬力 motor horse power: (1, 2, 3, 5, 7.5, 10, 15, 20, 30) HP

油箱容量: capacity of reservoir (20, 40, 60, 80, 100, 150, 250, 400, 600) L

惠眾公司節能型變量泵液壓站簡稱
abbreviation for HUIZHONG energy saving variable displacement power station

附表2: 選擇記號說明
Attached table 2: how to order

(變量葉片泵參數): The parameter of the variable displacement vane pump

型號 model No.	排量 displacement	功能記號 function mark	3.5Mpa	5.5Mpa	7Mpa	10.5Mpa	14Mpa
VP-12	6.6cm ³ /rev	A1	A2	A3	-	-	-
VP-15	8.3cm ³ /rev	A1	A2	A3	-	-	-
VP-20	11.1cm ³ /rev	A1	A2	A3	-	-	-
VP-30	16.6cm ³ /rev	A1	A2	A3	-	-	-
VP-40	22.2cm ³ /rev	A1	A2	A3	-	-	-
HVP-30	16.6cm ³ /rev	-	-	-	A4	A5	-
HVP-40	22.2cm ³ /rev	-	-	-	A4	A5	-
代號 mark	性能曲線圖 performance graph	油壓記號 schematic	說明 explanation				
標準 standard	output: Q 吐出量 P-壓力 pressure		壓力補償型 如果油泵的輸出壓力接近設定壓力時, 則油泵的流量自動減小到保持設定壓力時的最小流量。 Pressure complementary type If the output pressure of the pump is around the setting pressure, the flow will automatically decrease to the minimum value that can maintain a constant pressure.				

(變量柱塞泵參數): The parameter of the variable displacement piston pump

型號 model No.	排量 displacement	功能記號 function mark	4Mpa	7Mpa	14Mpa	21Mpa
P8	8cm ³ /rev	A	0	1	2	3
P16	16cm ³ /rev	A	0	1	2	3
P22	22cm ³ /rev	A	0	1	2	3
P36	36cm ³ /rev	A	0	1	2	3
P46	46cm ³ /rev	A	0	1	2	3
P70	70cm ³ /rev	A	0	1	2	3
代號 mark	性能曲線圖 performance graph	油壓記號 schematic	說明 explanation			
A	output: Q 吐出量 P-壓力 pressure		壓力補償型 如果油泵的輸出壓力接近設定壓力時, 則油泵的流量自動減小到保持設定壓力時的最小流量。 Pressure complementary type If the output pressure of the pump is around the setting pressure, the flow will automatically decrease to the minimum value that can maintain a constant pressure.			
B	output: Q 吐出量 P-壓力 pressure		壓力引導式控制型 壓力補償控制的設定壓力, 可以通過外部裝設的遙控閥進行控制。 Pressure pilot control type The pressure of pressure complementary can be controlled by the exterior remote-controlled valve.			



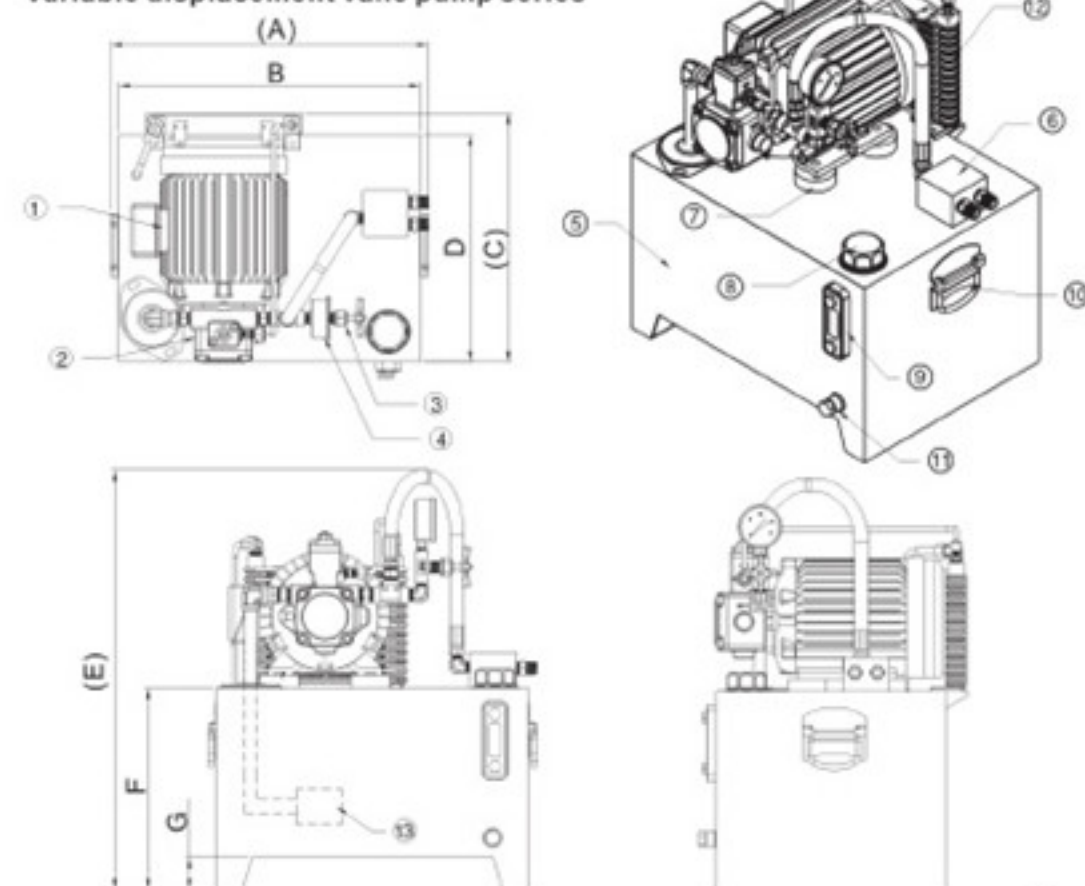
葉片可變量泵站
Variable displacement vane power station



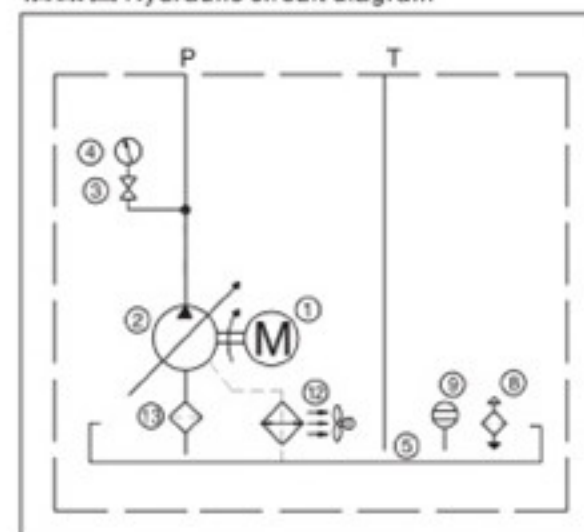
高壓變量柱塞泵站
High pressure variable displacement piston pump power station

葉片變量泵VP系列

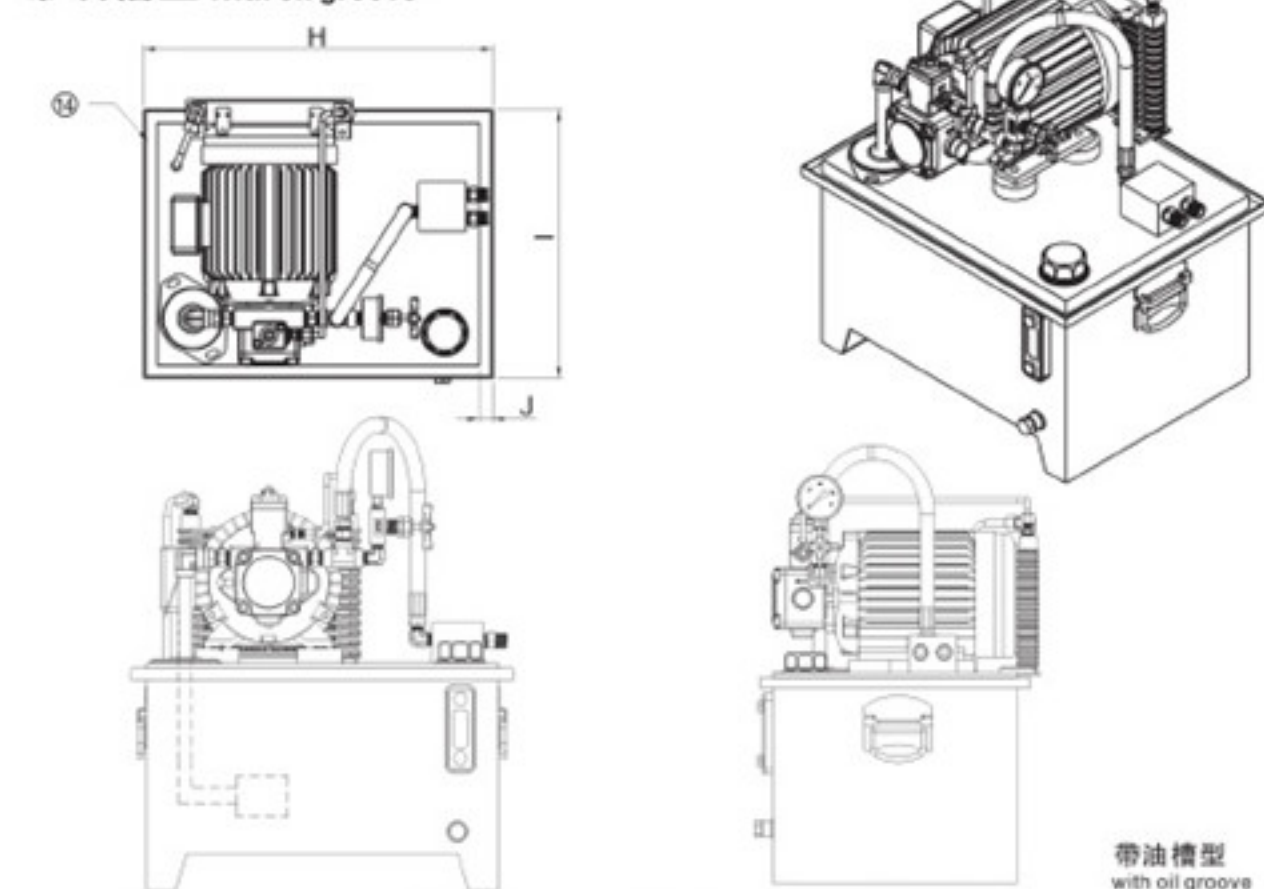
Variable displacement vane pump series



油路圖 Hydraulic circuit diagram



帶油槽型 With oil groove



編號 number	名稱 name
1	電機 motor
2	油泵 pump
3	油壓表開關 the switch of pressure gauge
4	油壓表 pressure gauge
5	油罐 reservoir
6	油路板 manifold
7	機膠軟墊 Rubber cushion
8	加油口 oil inlet
9	油面計 oil level gauge
10	拉手 Handle
11	放油口 oil outlet
12	散熱器 radiator
13	吸油過濾器 suction port filter
14	油槽 oil groove

注:訂貨時第10項掛勾
可要求為吊環,見下圖:

Note: The tenth item hook can
be replaced by ring as ordered.
See the follow drawing

A型
A type

B型
B type

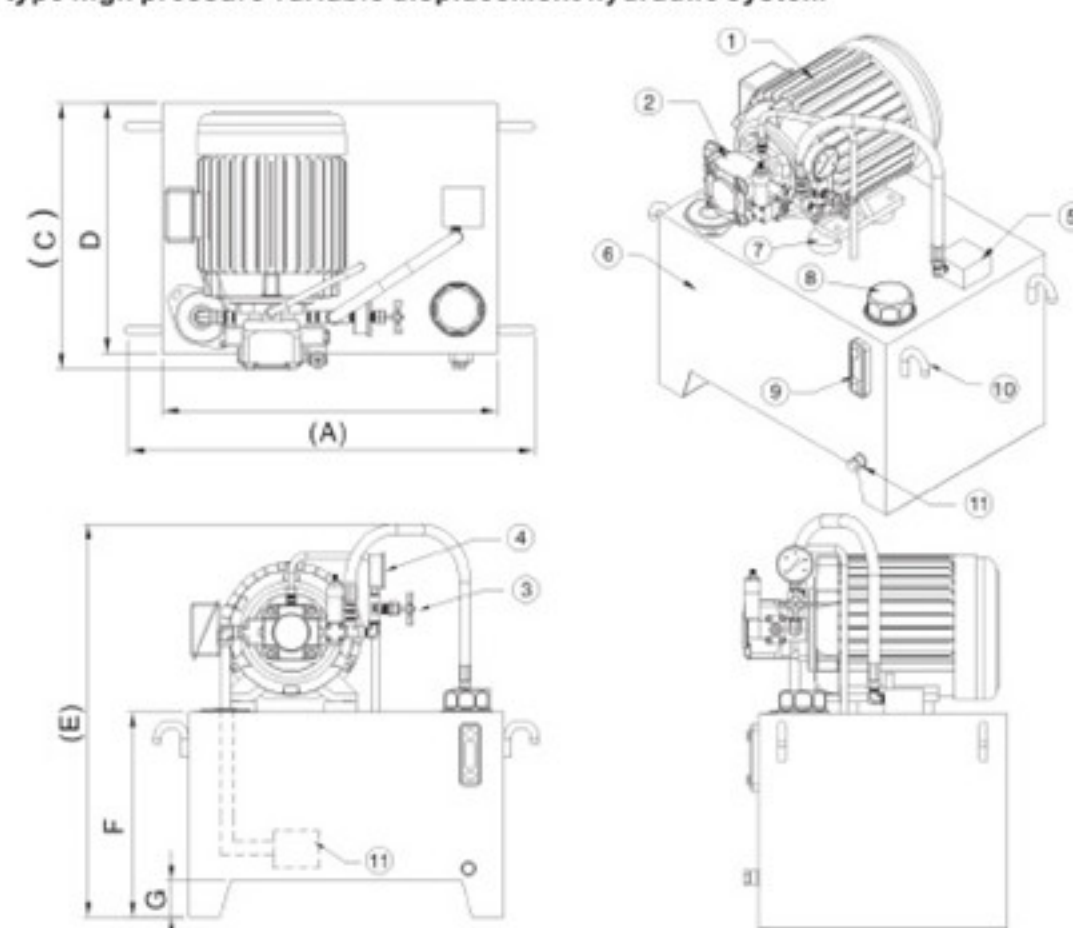
帶油槽型
with oil groove

型號 model No	尺寸 size	A	B 長 length	C	D 寬 width	E	F	G	H 長 length	I 寬 width	J
1HP+VP20+40L		505	480	410	360	645	310	50	520	400	20
2HP+VP20+60L		565	540	440	400	690	350	50	580	440	20
3HP+VP30+80L		730	600	450	450	770	390	70	660	510	30
5HP+VP40+100L		730	600	450	450	870	470	70	660	510	30
7.5HP+VP40+120L		830	700	520	520	850	420	70	760	580	30

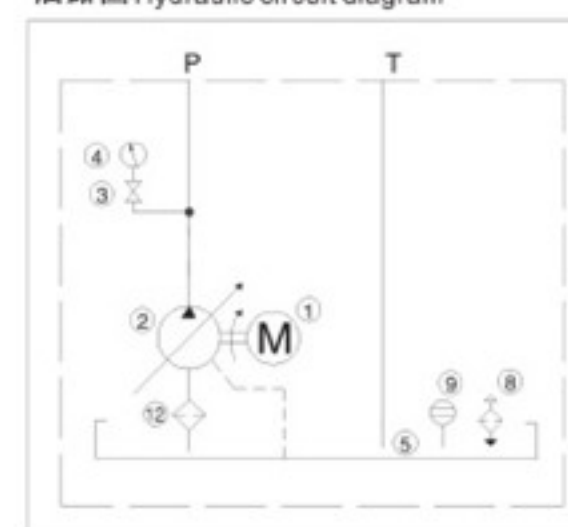
注:以上電機油泵與油箱模式不是絕對的,在允許的環境內可靈活選擇。
Note: The combination ways of motor, pump and reservoir are not fixed. The combination way can be designed based on the work space.

F型中高壓變量動力組合HVP系列

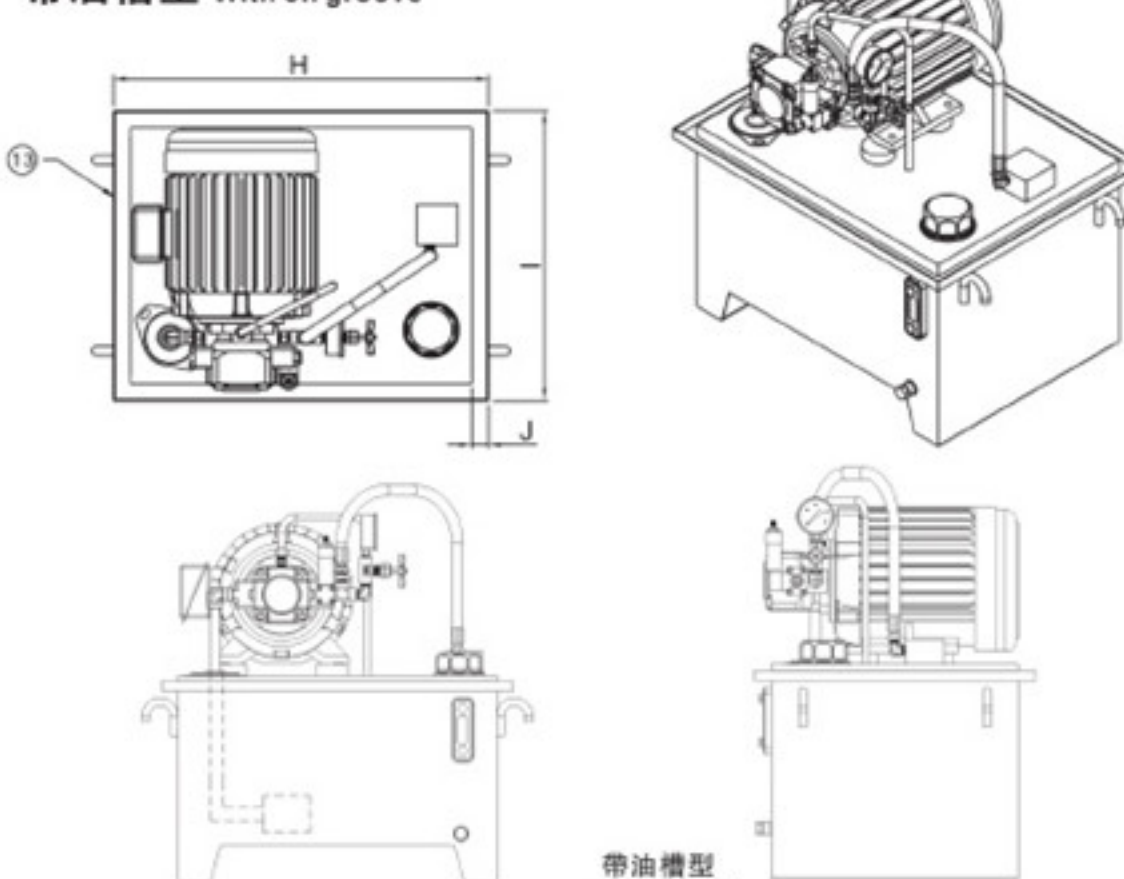
F type high pressure variable displacement hydraulic system



油路圖 Hydraulic circuit diagram



帶油槽型 With oil groove



編號 number	名稱 name
1	電機 motor
2	油泵 pump
3	油壓表開關 the switch of pressure gauge
4	油壓表 pressure gauge
5	油路板 manifold
6	油罐 reservoir
7	機膠軟墊 rubber cushion
8	加油口 oil inlet
9	油面計 oil level gauge
10	掛勾 hook
11	放油口 oil outlet
12	吸油過濾器 suction port filter
13	油槽 oil groove

注:訂貨時第10項掛勾
可要求為吊環,見下圖:

Note: The tenth item hook can
be replaced by ring as ordered.
See the follow drawing

A型
A type

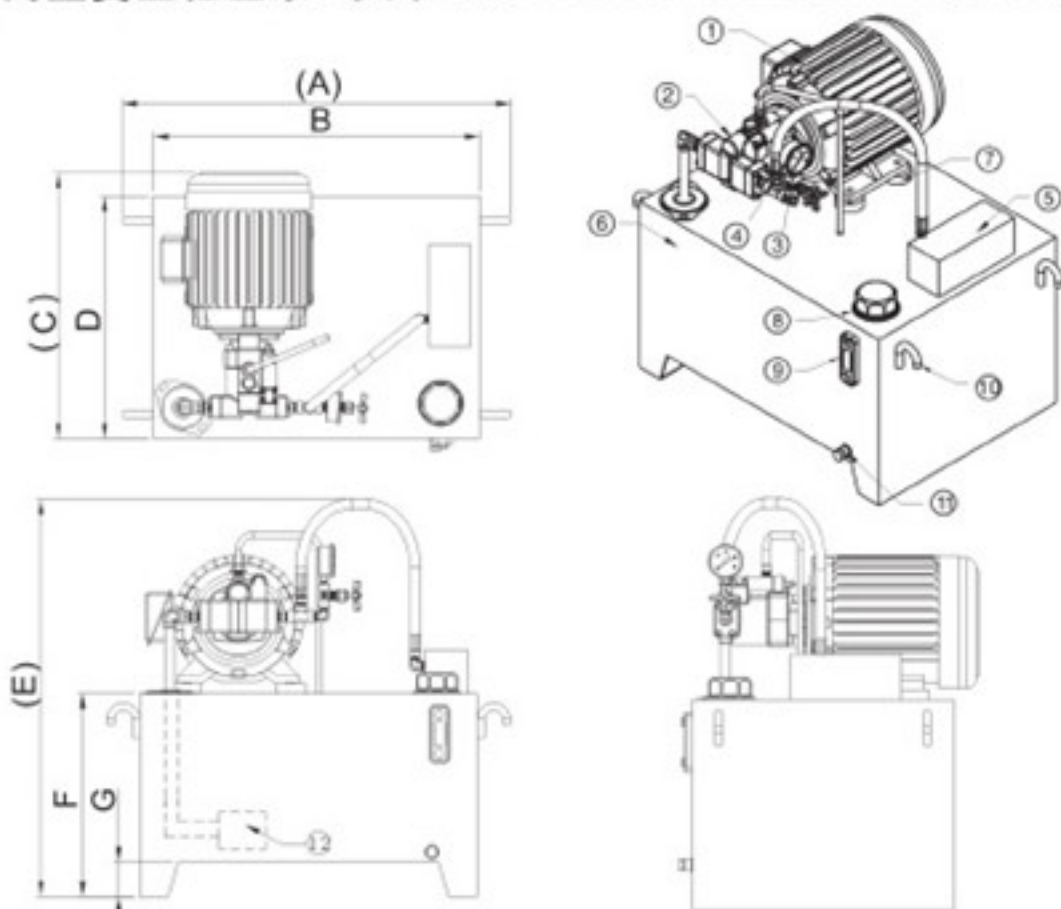
B型
B type

帶油槽型
with oil groove

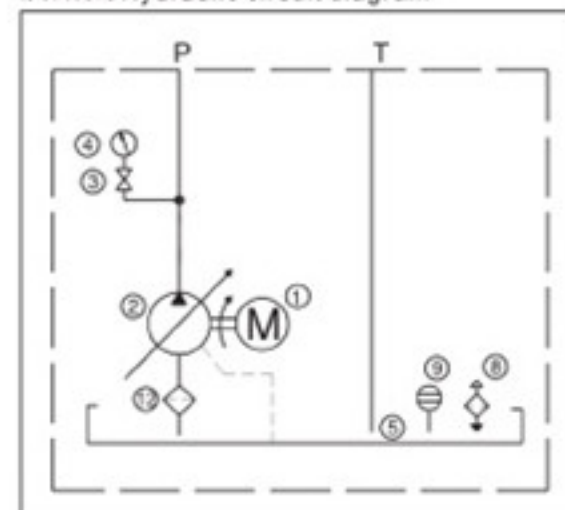
型號 model No	尺寸 size	A	B 長 length	C	D 寬 width	E	F	G	H 長 length	I 寬 width	J
5HP+HVP30+100L		730	600	450	450	845	470	70	660	510	30
7.5HP+HVP40+150L		840	700	550	550	930	500	80	760	610	30

注:以上電機油泵與油箱模式不是絕對的,在允許的環境內可靈活選擇。
Note: The combination ways of motor, pump and reservoir are not fixed. The combination way can be designed based on the work space.

高壓變量柱塞泵P系列 High pressure variable displacement piston pump P series

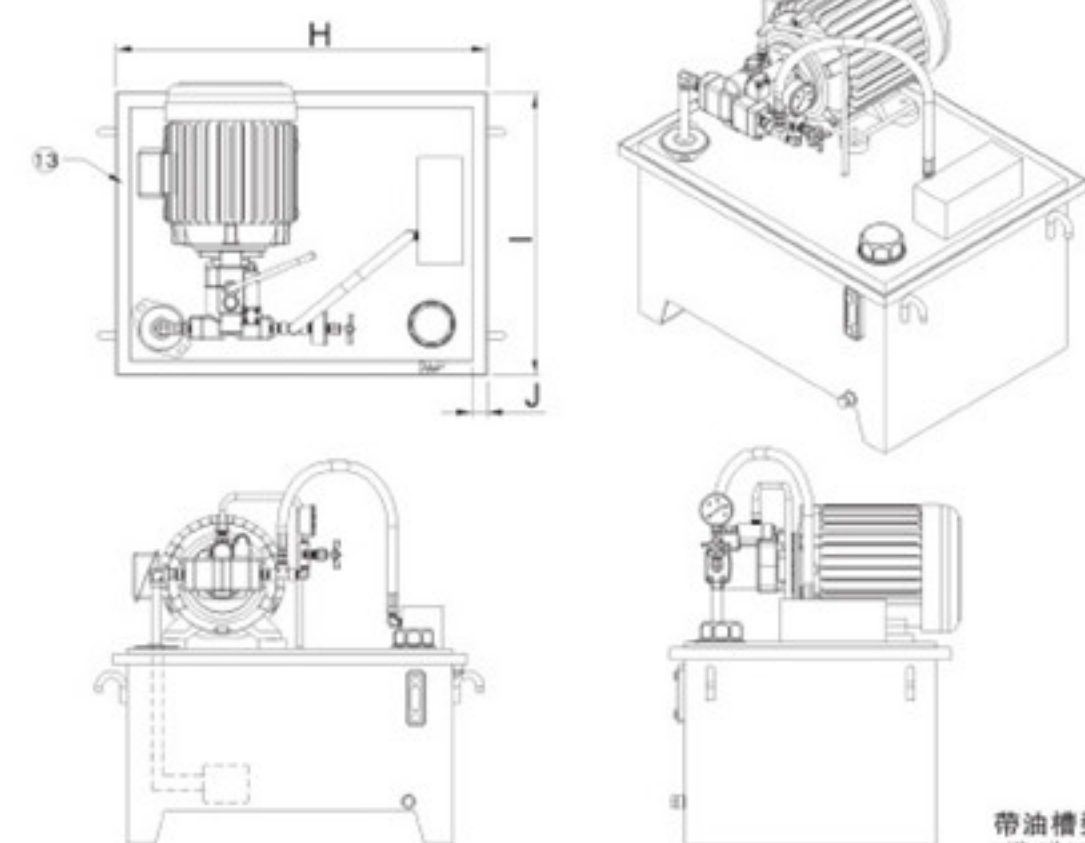


油路圖 Hydraulic circuit diagram



編號 number	名稱 name
1	電機 motor
2	油泵 pump
3	油壓表開關 the switch of pressure gauge
4	油壓表 pressure gauge
5	油路板 manifold
6	油罐 reservoir
7	橡膠軟墊 rubber cushion
8	加油口 oil inlet
9	油面計 oil level gauge
10	掛勾 hook
11	放油口 oil outlet
12	吸油過濾網 suction port filter
13	油槽 oil groove

帶油槽型 With oil groove



注:訂貨時第10項掛勾
可要求為吊環,見下圖:

Note: The tenth item hook can
be replaced by ring as ordered.
See the follow drawing

A型
A type

B型
B type

帶油槽型
with oil groove

型號 model No.	尺寸 size	A	B 長 length	C	D 寬 width	E	F	G	H 長 length	I 寬 width	J
3HP+P08+100L		730	600	500	450	815	470	70	660	510	20
5HP+P16+120L		830	700	545	520	800	420	70	760	580	20
10HP+P22+150L		840	700	615	550	930	500	80	760	610	30
15HP+P36+250L		1040	900	750	700	1030	520	120	960	760	30
20HP+P46+400L		1200	1000	810	800	1160	650	150	1080	880	40
30HP+P70+600L		1400	1200	900	900	1320	750	150	1280	980	40

注:以上電機與油罐模式不是絕對的,在允許的範圍內可靈活選擇。
Note: The combination ways of motor, pump and reservoir are not fixed. The combination way can be designed based on the work space.

油站表示法 How to order

HSLY-100L-3HP-*****-*****

選擇: 附表1(16頁)
Choice: attached table 1

泵功能: 附表2
The function of pump: attached table 2

泵型號: 附表2
Pump model: attached table 2

電機馬力 motor horse power: (1, 2, 3, 5, 7.5, 10) HP

油箱容量: capacity of reservoir (20, 40, 60, 80, 100, 150, 200, 250) L

惠眾公司雙聯型葉片可變量泵液壓站簡稱
abbreviation for HUI ZHONG double type vane variable displacement power station

附表2: 選擇記號說明
attached table 2: how to order

(雙聯變量葉片泵參數):

Parameter of the variable displacement vane dual pump

型號 model No.	排量 displacement	壓力 pressure	3.5Mpa	5.5Mpa	7Mpa
VP-15/25	8.3cm ³ /rev	功能記號 function mark	A1/A1	A2/A2	A3/A3
VP-20/20	11.1cm ³ /rev		A1/A1	A2/A2	A3/A3
VP-30/30	16.6cm ³ /rev		A1/A1	A2/A2	A3/A3
VP-40/40	22.2cm ³ /rev		A1/A1	A2/A2	A3/A3

(變量葉片加齒輪泵參數): 高低壓泵組

Parameter of variable displacement vane pump and gear pump: high/ low pressure pump set

型號 model No.	變量葉片泵排量 output of variable displacement vane pump	齒輪泵型號功能記號 function mark of gear pump type	齒輪泵排量 output of gear pump
VP-30+	16.6cm ³ /rev	3.5MpQ A1 A2 A3	21MpQ PA3 3cm/rev
		A1 A2 A3	PA4 4cm/rev
		A1 A2 A3	PA6 6cm/rev
VP-40+	22.2cm ³ /rev	A1 A2 A3	PA8 8cm/rev
		A1 A2 A3	PA10 10cm/rev
		A1 A2 A3	PA12 12cm/rev



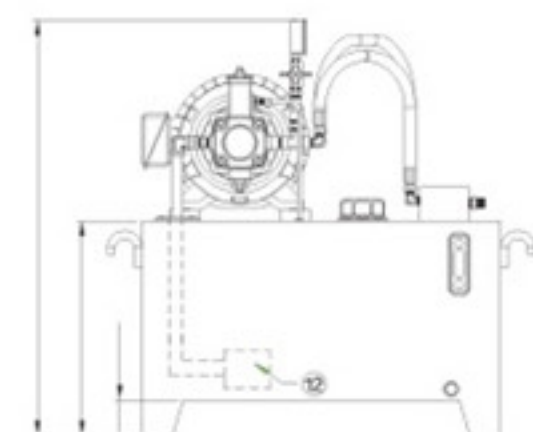
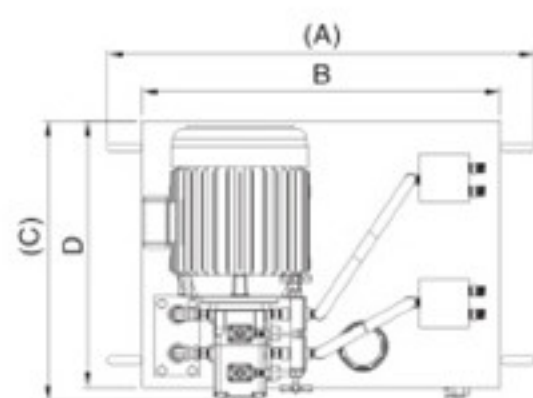
雙聯葉片可變量泵站
double pump vane variable displacement power station



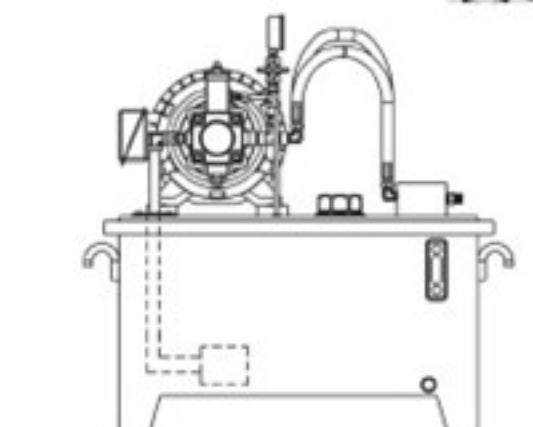
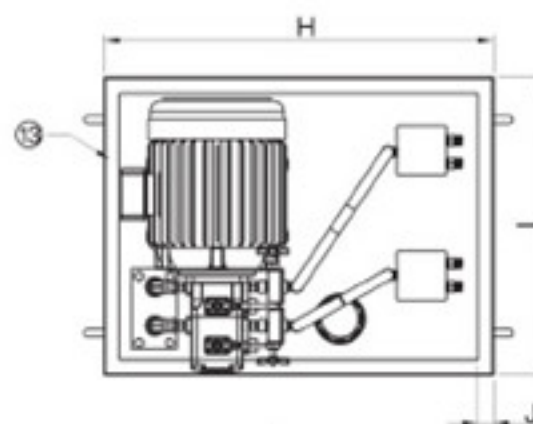
高低壓泵站
high/low pressure power station

A 葉片雙聯變量動力組合

A variable displacement dual vane hydraulic system



帶油槽型 With oil groove

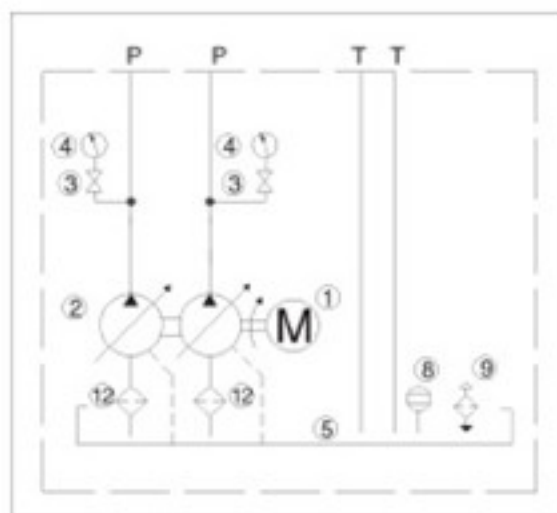


型號 model No	尺寸 size	A	B 長 length	C	D 寬 width	E	F	G
3HP+VP15/15+120L	830	700	525	520	765	420	70	
5HP+VP30/30+200L	940	800	600	600	900	520	120	
7.5HP+VP40/40+250L	1040	900	700	700	950	520	120	

帶油槽型 with oil groove

型號 model No	尺寸 size	H 長 length	I 寬 width	J
3HP+VP15/15+120L	830	760	580	30
5HP+VP30/30+200L	940	860	660	30
7.5HP+VP40/40+250L	1040	960	760	30

油路圖 Hydraulic circuit diagram



編號 number	名稱 name
1	電機 motor
2	油泵 pump
3	油壓表開關 the switch of pressure gauge
4	油壓表 pressure gauge
5	油路板 manifold
6	油箱 reservoir
7	橡膠軟墊 rubber cushion
8	加油口 oil inlet
9	油面計 oil level gauge
10	掛勾 hook
11	放油口 oil outlet
12	吸油過濾器 suction part filter
13	油槽 oil groove

注:訂貨時第10項掛勾
可要求為吊環,見下圖:

Note: The tenth item hook can
be replaced by ring as ordered.
See the follow drawing

A型
A type

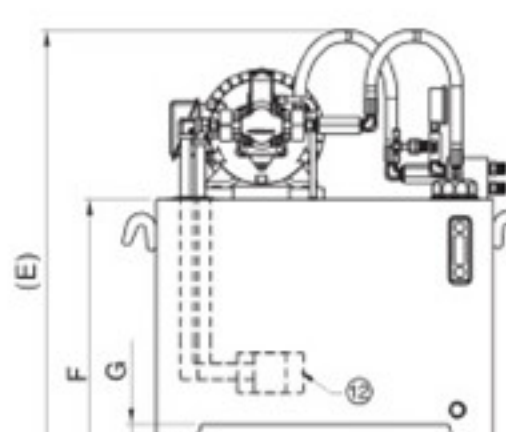
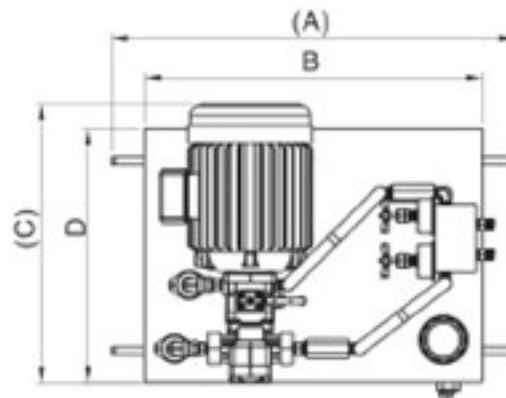


B型
B type

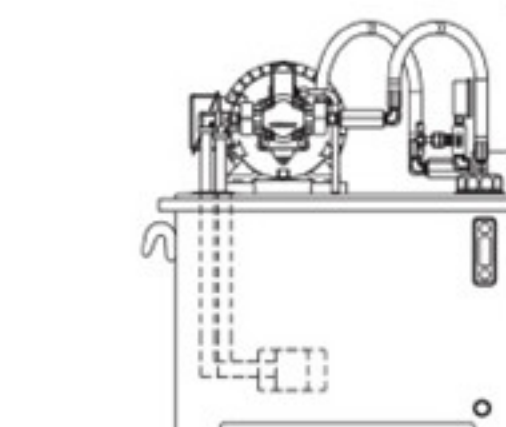
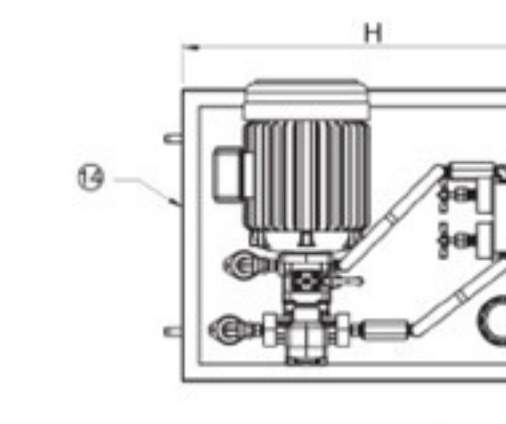


高低壓動力組合VP+HGP系列

High and low pressure hydraulic system VP+HGP series



帶油槽型 With oil groove

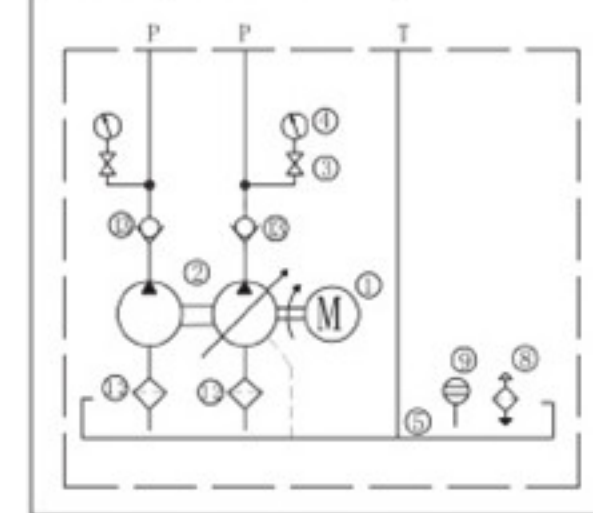


型號 model No	尺寸 size	A	B 長 length	C	D 寬 width	E	F	G
3HP+VP30+HGP2A+100L	730	600	500	450	815	470	70	
5HP+VP30+HGP2A+150L	840	700	550	550	875	500	80	
7.5HP+VP40+HGP2A+200L	940	800	600	600	950	520	120	

帶油槽型 with oil groove

型號 model No	尺寸 size	H 長 length	I 寬 width	J
3HP+VP30+HGP2A+100L	730	660	510	30
5HP+VP30+HGP2A+150L	840	760	610	30
7.5HP+VP40+HGP2A+200L	940	860	660	30

油路圖 Hydraulic circuit diagram



編號 number	名稱 name
1	電機 motor
2	油泵 pump
3	油壓表開關 the switch of pressure gauge
4	油壓表 pressure gauge
5	油路板 manifold
6	油箱 reservoir
7	橡膠軟墊 rubber cushion
8	加油口 oil inlet
9	油面計 oil level gauge
10	掛勾 hook
11	放油口 oil outlet
12	吸油過濾器 suction part filter
13	單向閥 check valve
14	油槽 oil groove

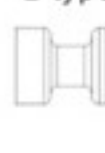
注:訂貨時第10項掛勾
可要求為吊環,見下圖:

Note: The tenth item hook can
be replaced by ring as ordered.
See the follow drawing

A型
A type



B型
B type



附表1 attached table 1

記號 mark	內容 content	型號和說明 model No and explanation	20、30L	40~100L	150、250L	400、650L
C1	風扇冷卻器(在油箱上) fan cooler (used in main circuit)	AH系列(見附表4) AH series (see attached table 4)	-	0	0	0
C2	獨立冷卻泵(在油箱上) independent cooling pump (used in main circuit)	TC系列(見附表3)+AH系列(見附表4) TC series (see attached table 3)+AH series (see attached table 4)	-	-	0	0
C3	水冷卻器 water cooler	通過冷卻水與油在冷卻器內交換 through the exchange of cooling water and hydraulic oil in the cooler	0	0	0	0
C4	電加熱器 electric heater	在油溫可達到0℃以下的情況 when the oil temperature lower than 0℃	0	0	0	0
D	端子線(動力系統+控制系統) terminal connection (power system + control system)	由各電器到端子箱的接線(動力系統+控制系統) the wiring from all the electric appliance to the terminal box (power system + control system)	0	0	0	0
F	叉車腳安裝 the installation of forklift foot	參考後述叉車使用安裝規格說明 please see the specification of the forklift installation and utilization described below	-	0	-	-
N	噪音對策 countermeasure for noise	電機6P規格 the specification of motor 6P	-	-	-	0
R1	回油過濾器 return line filter	SP-06x30u	0	-	-	-
R2	回油過濾器 return line filter	SP-06x30u	-	0	0	-
R3	回油過濾器(油桶型) return line filter (reservoir head type)	RFA(B)系列(見附表5) RFA (B) series (see attached table 5)	0	0	0	0
T	雙金屬溫度計 (附錶表針) bimetal thermometer (oil level gauge attached)	WSSX系列 WSSX series	0	0	0	0
V	防止震動 prevention countermeasure	橡皮緩衝、橡膠軟管等安裝 install rubber buffer or rubber hose	-	-	-	0
P3	液位開關 (油面高低檢測) a級別) oil level switch (to check the drop of the oil level; contact a)	YJKD系列(見附表7)(油面設計低於下劃線) (10mm)以下接ON YJKD series (see attached table 7) (if the oil level is lower than the underline) (more than 10mm) the junction will be on	-	0	0	0
G	油面計裝置 oil level gauge	附有保護用外殼 with housing for protection	0	-	0	0
K	特殊塗料 (外塗裝) special coating (outside used)	標準塗料外的其他用品(如:氟素系、環氧樹脂等) other things except standard coating (fluorine resin, epoxy resin and so on)	0	0	0	0
L	燃點特性油 (W/G系列) flame retardancy oil (W/G series)	水-乙二醇系液壓油 (若用其他油則需另加說明) water-ethylene glycol hydraulic oil (if other oil is needed, please contact us)	0	0	0	0



油尺
dipstick



加油口
oil inlet



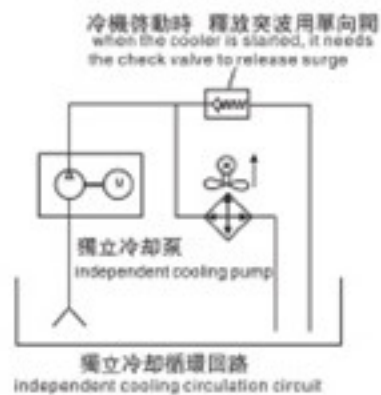
雙金屬溫度計
bimetal thermometer



吸油清洗蓋
oil absorption cleaning cover

附表3
attached table 3

冷卻泵——獨立冷卻系統專用 cooling pump—dedicated for independent cooling system



冷卻泵規格表 specifications of cooling pump

Hp	規格 standard	流量 L/min flow cSt 68	L	LA	DA	H	HA	EA	出油口 oil outlet Rc/P/T
1/6	TC-6130	8	275	130	90	124	160	128	1/2
1/6	TC-6180	8	325	180	90	124	160	128	1/2
1/4	TC-4155	15	341	155	126	160	191	158	3/4
1/4	TC-4220	15	406	220	126	160	191	158	3/4
1/4	TC-4350	15	536	350	126	160	191	158	3/4
1/2	TC-2180	30	385	180	126	170	196	171	1"
1/2	TC-2290	30	495	290	126	170	196	171	1"
1	TC-1180	50	400	180	151	180	191	185	1"
1	TC-1240	50	460	240	151	180	196	185	1"
1	TC-1380	50	600	380	151	180	196	185	1"

*流量以#68循環油
the flow is measured when #68 recycle oil is used

附表4選擇記號說明
attached table 4: choosing mark explanation

規格 standard	接口 hydraulic fluid port Rc/P/T	油缸適用 馬力4p the applicable horsepower	冷卻能力 cooling ability Kcal/h 內外溫差 inside and outside difference in temperature 30℃	尺寸LxHxW(mm) size
AH0608T	3/4	1-2	1200	305x200x115
AH0608LT	3/4	2-3	2400	405x200x115
Ah1012	1	3-5	5000	417x300x200
AH1012-3P	1	3-5	5500	417x300x200
Ah1215	1	5-7.5	7000	510x300x210
Ah1417	1	7.5-10	9000	570x411x200
Ah1470	1 1/4	10-15	11000	570x407x225
Ah1418	1	7.5-10	13000	570x420x200
Ah1428	1 1/4	15-20	16000	570x420x230
Ah1490	1 1/2	20-25	21000	520x640x300
Ah1680	1 1/2	25-40	25000	520x640x320
Ah1890	1 1/2	30-50	37000	650x800x380
Ah2342	1 1/2	50-75	37000	805x935x543
AH2342A	1 1/2	50-75	50000	920x670x543
Ah2583	1 1/2	75-100	60000	845x950x630
Ah2890	1 1/2	100-125	90000	875x1000x900
AH2-2585	1 1/2	125-200	140000	850x1800x735
AH3-2583	1 1/2	300		857x2400x700

附表5 attached table 5

RFA微細直徑式回油過濾器

RFA Micro return line filter

RFB直徑式封式磁性回油過濾器

RFB Return line magnet filter

RFA

RFB

流量代號
SYMBOL

● 選擇指南 (HOW TO ORDER)

RFA	-25	x20	F	-Y
型號 Series number	流量 Flow	通流特性 Flow rate	安裝口連接方式 Indicator type	安裝位置 Installation position
Flow number	Flow number	Flow number	Flow number	Flow number
Refer to specification	Refer to specification	Refer to specification	Refer to specification	Refer to specification

● 技術參數 (SPECIFICATION)

型號 model No	流量 Flow (l/min)	過濾精度 Filtration mesh (μm)	最高 Value (MPa)	公稱壓力 Pressure (MPa)	壓力損失 Pressure loss (MPa)	安裝位置 Indicator type	重量 Weight (kg)	濾速 Filtration mm/min
RFA-25x1	25	15	15	1.8	0.0075	0.35	0.85	FAX-25x*
RFA-40x1	40	20	20				0.9	FAX-40x*
RFA-63x1	63	25	25				1.5	FAX-63x*
RFA-100x1	100	32	32				1.7	FAX-100x*
RFA-160x1	160	40	40				2.7	FAX-160x*
RFA-250x1	250	50	50				4.35	FAX-250x*
RFA-400x1	400	60	60				6.15	FAX-400x*
RFA-630x1	630	80	80				8.2	FAX-630x*
RFA-1000x1	1000	90	90				8.9	FAX-1000x*
RFB-25x1	25	15	15	1.8	0.0075	0.35	0.85	FAX-25x*
RFB-40x1	40	20	20				0.9	FAX-40x*
RFB-63x1	63	25	25				1.5	FAX-63x*
RFB-100x1	100	32	32				1.7	FAX-100x*
RFB-160x1	160	40	40				2.7	FAX-160x*
RFB-250x1	250	50	50				4.35	FAX-250x*
RFB-400x1	400	60	60				6.15	FAX-400x*
RFB-630x1	630	80	80				8.2	FAX-630x*
RFB-1000x1	1000	90	90				8.9	FAX-1000x*

油站表示法 How to order

HDY - 100L - 3HP - W - * * * * * - * * * * *

選擇: 附表1(16頁)
Choice: attached table 1

泵功能: 附表2
The function of pump: attached table 2

泵型號: 附表2
Pump model: attached table 2

電動機泵組安裝 (W: 臥式, L: 立式)
the installation of motor and pump (W: horizontal type L: vertical type)

電機馬力 motor horse power: (1、2、3、5、7.5、10、15、20、30) HP

油箱容量: capacity of reservoir (20、40、60、80、100、150、200、400、600) L

惠眾公司定量液壓站簡稱
abbreviation for HUIZHONG constant displacement pump hydraulic system

附表2: 選擇記號說明
Attached table 2: how to order

型號 model No	排量 displacement	壓力 pressure	16Mpa	21Mpa
		功能 記號 function mark		
HGP-1A	1.06 cm³/rev	A1		
HGP-1A	2.03 cm³/rev	A2	B1	
HGP-1A	2.98 cm³/rev	A3	B2	
HGP-2A	4 cm³/rev	A4	B3	
HGP-2A	6 cm³/rev	A6	B4	
HGP-2A	8 cm³/rev	A8	B6	
HGP-2A	10 cm³/rev	A10	B8	
HGP-2A	12 cm³/rev	A12	B10	
HGP-3A	14 cm³/rev	A14	B12	
HGP-3A	17 cm³/rev	A17	B14	
HGP-3A	19 cm³/rev	A19	B17	
HGP-3A	23 cm³/rev	A23	B19	
HGP-3A	25 cm³/rev	A25	B23	
HGP-3A	28 cm³/rev	A28	—	
HGP-3A	30 cm³/rev	A30	—	

型號 model No	排量 displacement	壓力 pressure	16Mpa	21Mpa
		功能 記號 function mark		
PVL1	6 cm³/rev	A6	B6	
PVL1	8 cm³/rev	A8	B8	
PVL1	10 cm³/rev	A10	B10	
PVL1	12 cm³/rev	A12	B12	
PVL1	14 cm³/rev	A14	B14	
PVL1	17 cm³/rev	A17	B17	
PVL1	19 cm³/rev	A19	B19	
PVL1	23 cm³/rev	A23	B23	
PVL1	25 cm³/rev	A25	B25	
PVL1	28 cm³/rev	A28	—	
PVL1	31 cm³/rev	A31	—	
PVL2	26 cm³/rev	A26	B261	
PVL2	33 cm³/rev	A33	B33	
PVL2	41 cm³/rev	A41	B41	
PVL2	47 cm³/rev	A47	B47	
PVL2	53 cm³/rev	A53	B53	
PVL2	59 cm³/rev	A59	B59	
PVL2	65 cm³/rev	A65	—	
PVL3	52 cm³/rev	A52	B52	
PVL3	60 cm³/rev	A60	B60	
PVL3	66 cm³/rev	A66	B66	
PVL3	76 cm³/rev	A76	B76	
PVL3	94 cm³/rev	A94	B94	
PVL3	116 cm³/rev	A116	—	



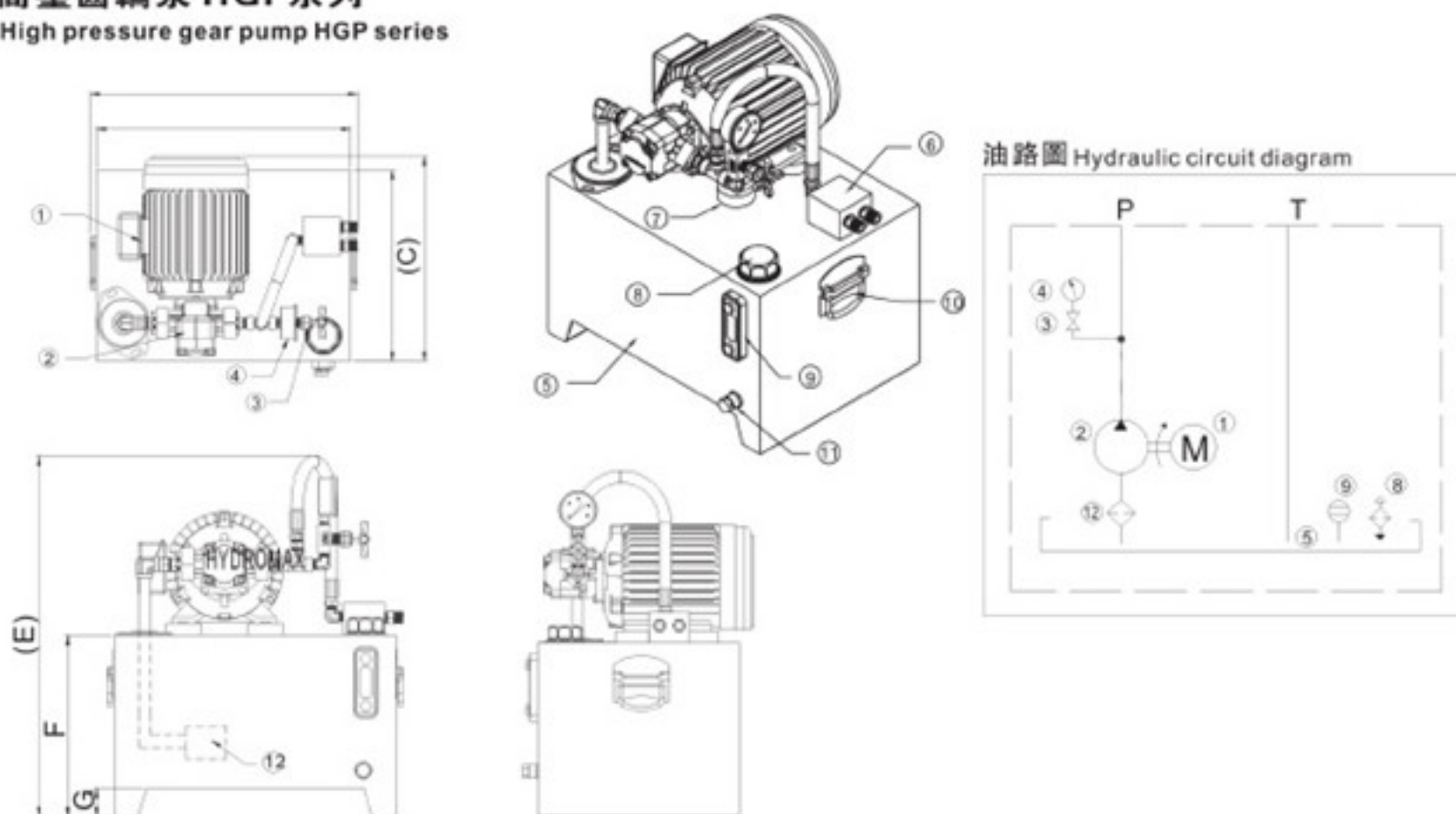
高壓齒輪泵站
High pressure gear pump power station



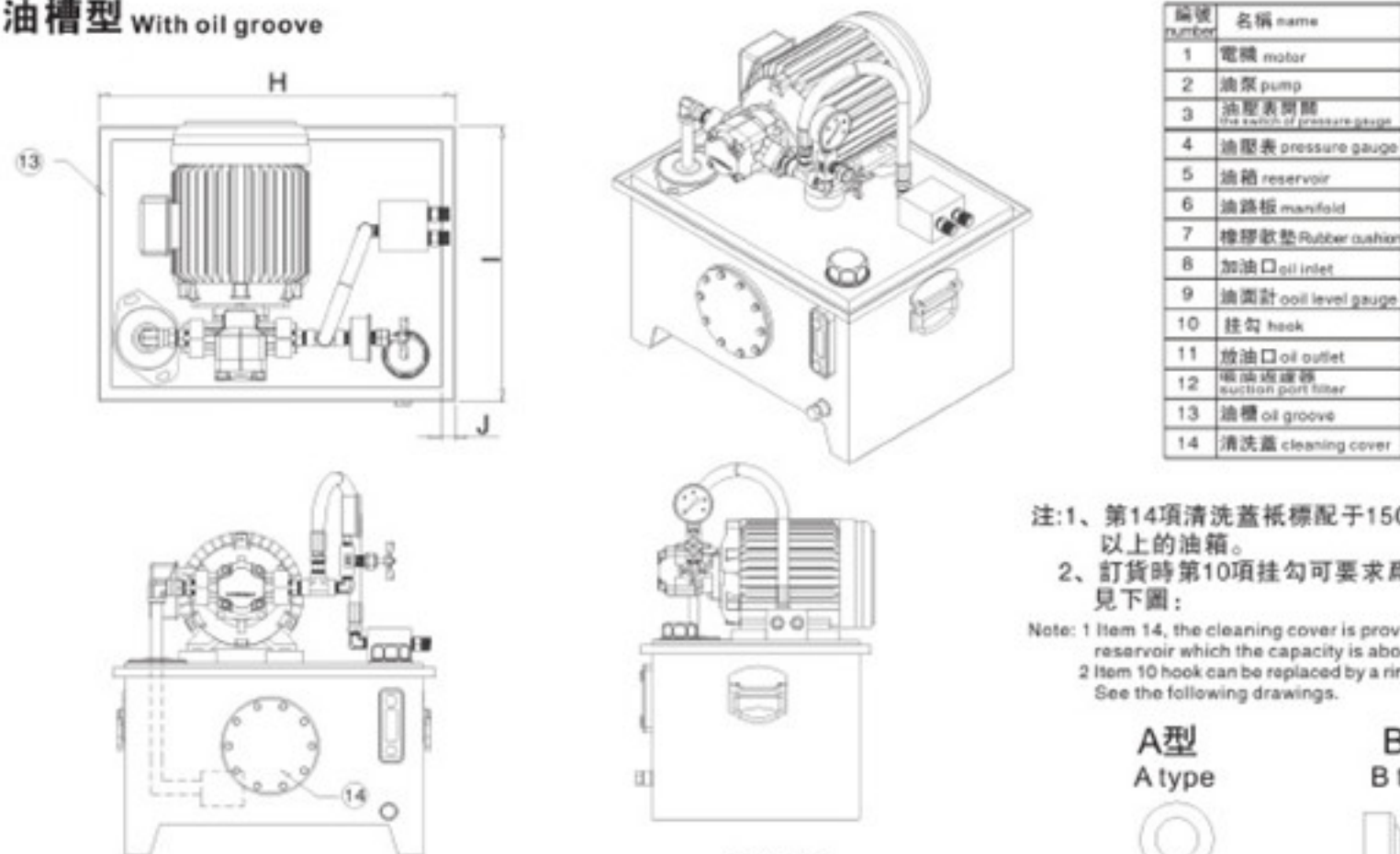
定量葉片泵站
Constant displacement power station

高壓齒輪泵 HGP系列

High pressure gear pump HGP series

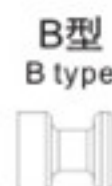


帶油槽型 With oil groove



編號 number	名稱 name
1	電機 motor
2	油泵 pump
3	油壓表開關 the switch of pressure gauge
4	油壓表 pressure gauge
5	油箱 reservoir
6	油路板 manifold
7	橡膠軟墊 Rubber cushion
8	加油口 oil inlet
9	油面計 oil level gauge
10	掛勾 hook
11	放油口 oil outlet
12	吸油濾線網 suction port filter
13	油槽 oil groove
14	清洗蓋 cleaning cover

注:1、第14項清洗蓋板標配于150L以上的油箱。
2、訂貨時第10項掛勾可要求為吊環。
見下圖:
Note: 1 Item 14, the cleaning cover is provided for the reservoir which the capacity is above 150L.
2 Item 10 hook can be replaced by a ring as required.
See the following drawings.



帶油槽型

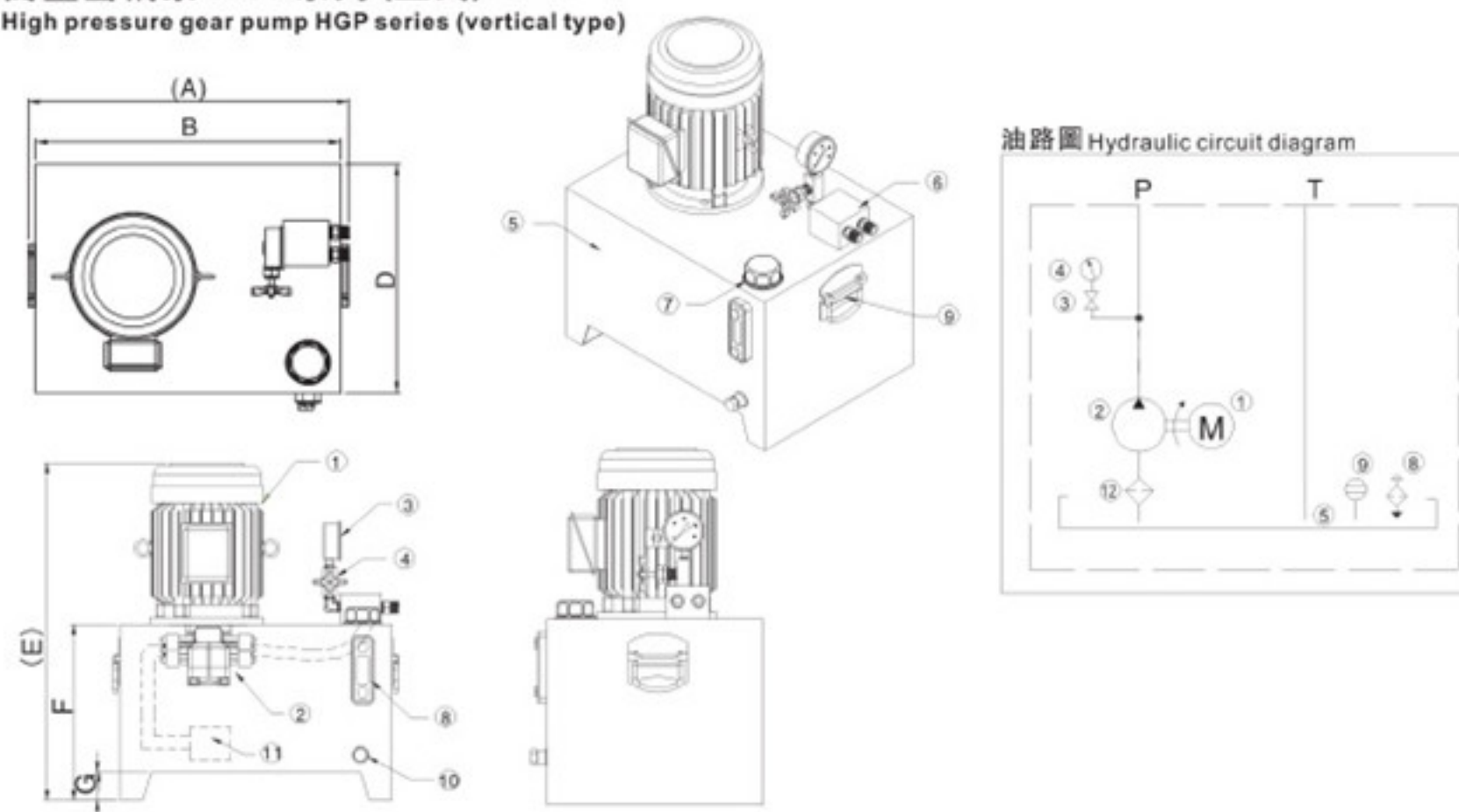
with oil groove

型號 model No	尺寸 size	A	B長 length	C	D寬 width	E	F	G	H長 length	I寬 width	J
1HP+HGP1A+40L		505	480	395	360	615	310	50	520	400	20
3HP+HGP2A+60L		565	540	435	400	690	350	50	580	440	20
5HP+HGP2A+80L		730	600	450	450	790	390	70	660	510	30
7.5HP+HGP3A+120L		830	700	520	520	850	420	70	760	580	30
10HP+HGP3A+150L		840	700	550	550	950	500	80	760	610	30
15HP+HGP3A+250L		1040	900	700	700	1030	520	120	960	760	30

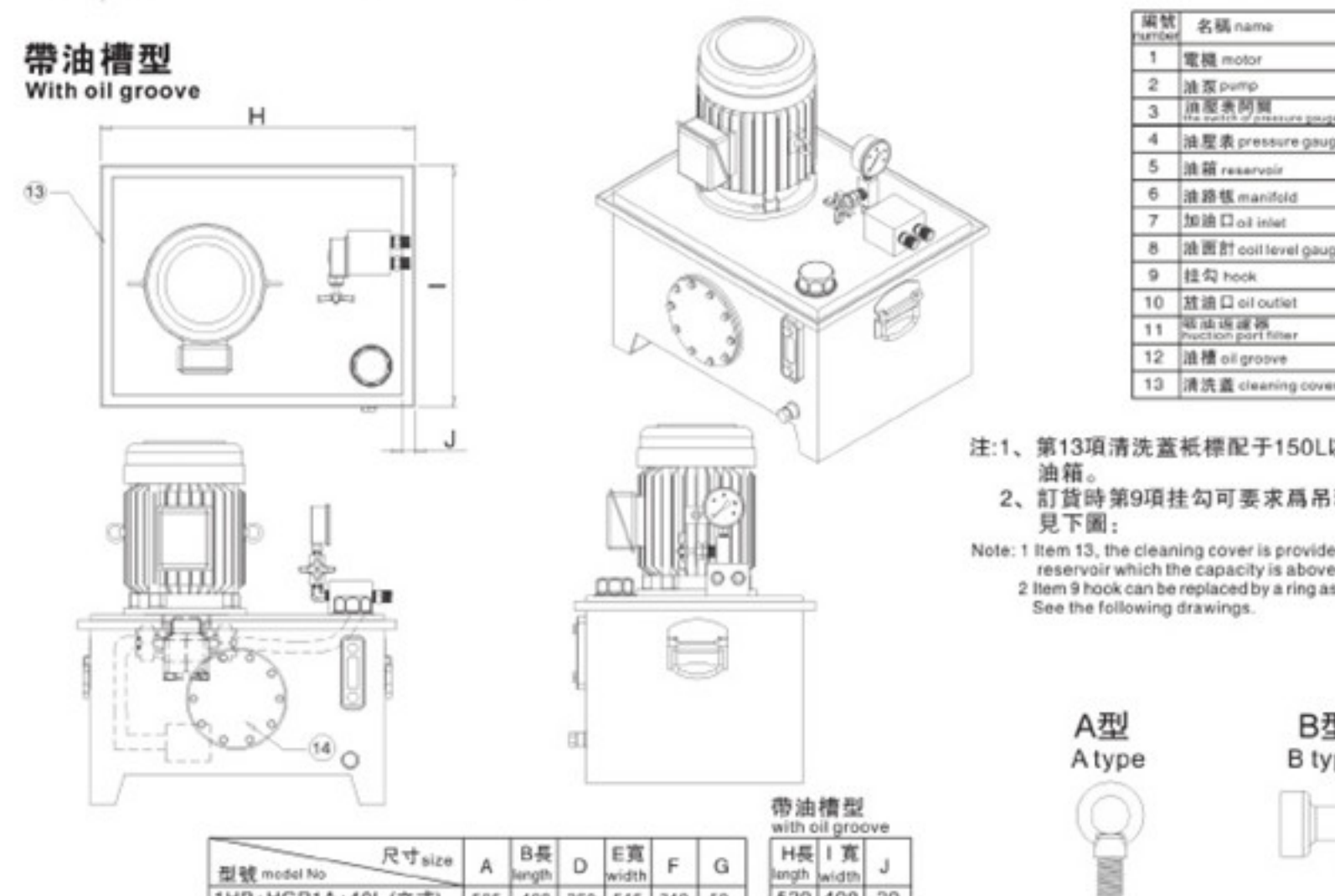
帶油槽型
with oil groove

高壓齒輪泵 HGP系列 (立式)

High pressure gear pump HGP series (vertical type)

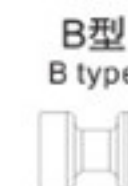


帶油槽型 With oil groove



編號 number	名稱 name
1	電機 motor
2	油泵 pump
3	油壓表開關 the switch of pressure gauge
4	油壓表 pressure gauge
5	油箱 reservoir
6	油路板 manifold
7	加油口 oil inlet
8	油面計 oil level gauge
9	掛勾 hook
10	放油口 oil outlet
11	吸油濾線網 suction port filter
12	油槽 oil groove
13	清洗蓋 cleaning cover

注:1、第13項清洗蓋板標配于150L以上的油箱。
2、訂貨時第9項掛勾可要求為吊環。
見下圖:
Note: 1 Item 13, the cleaning cover is provided for the reservoir which the capacity is above 150L.
2 Item 9 hook can be replaced by a ring as required.
See the following drawings.



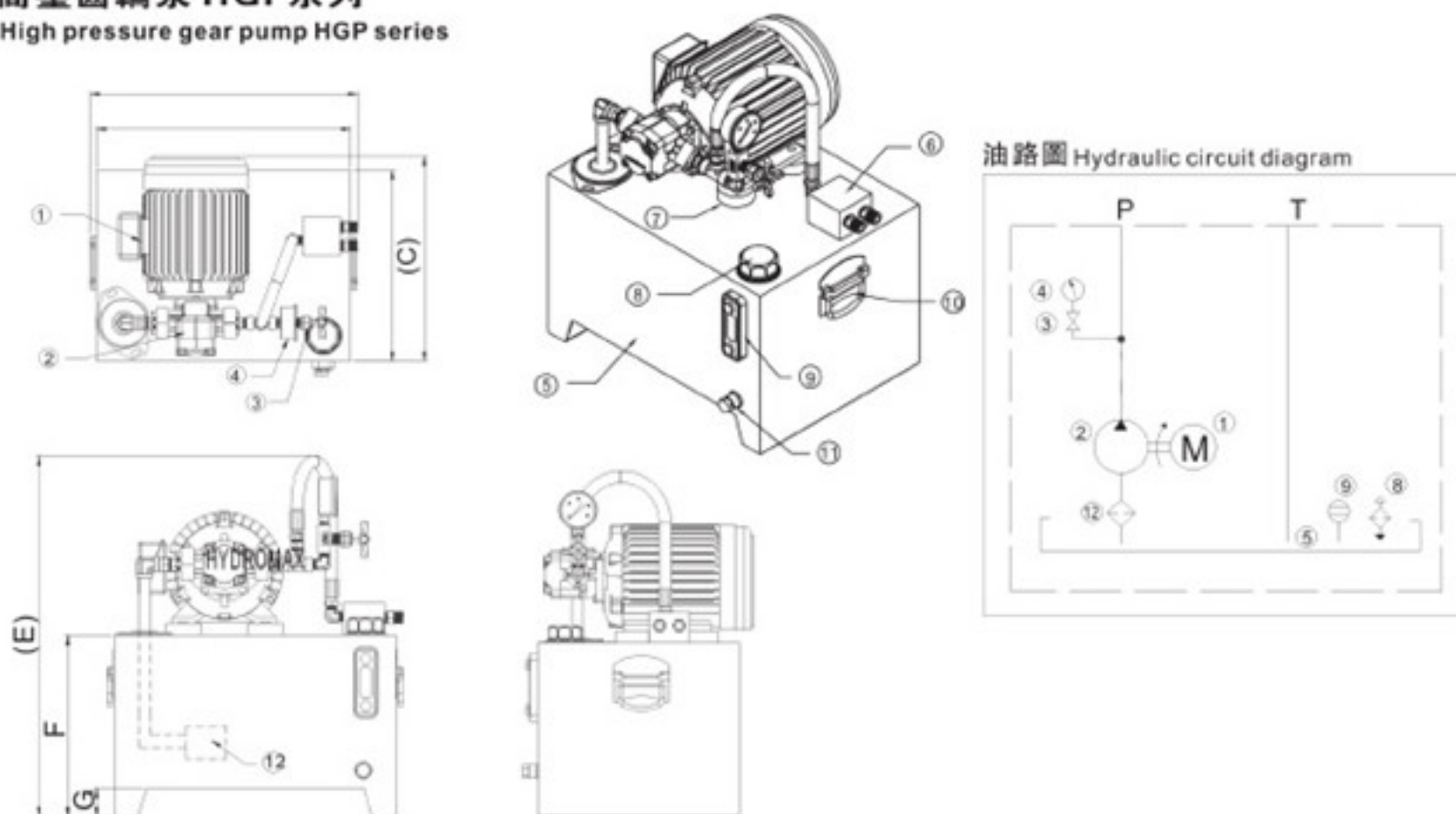
型號 model No		尺寸 size		with oil groove						
		A	B長 length	D	E寬 width	F	G	H長 length	I寬 width	
1HP+HGP1A+40L (立式)		505	480	360	545	310	50	520	400	20
3HP+HGP2A+60L (立式)		565	540	400	653	350	50	580	440	20
5HP+HGP2A+80L (立式)		730	600	450	680	390	70	660	510	30
7.5HP+HGP3A+120L (立式)		830	700	520	785	420	70	760	580	30
10HP+HGP3A+150L (立式)		840	700	550	880	500	80	760	610	30
15HP+HGP3A+250L (立式)		1040	900	700	1000	520	120	960	760	30

注:此系列全部配備側邊清洗蓋。 Note: This series are all equipped with side cleaning cover.

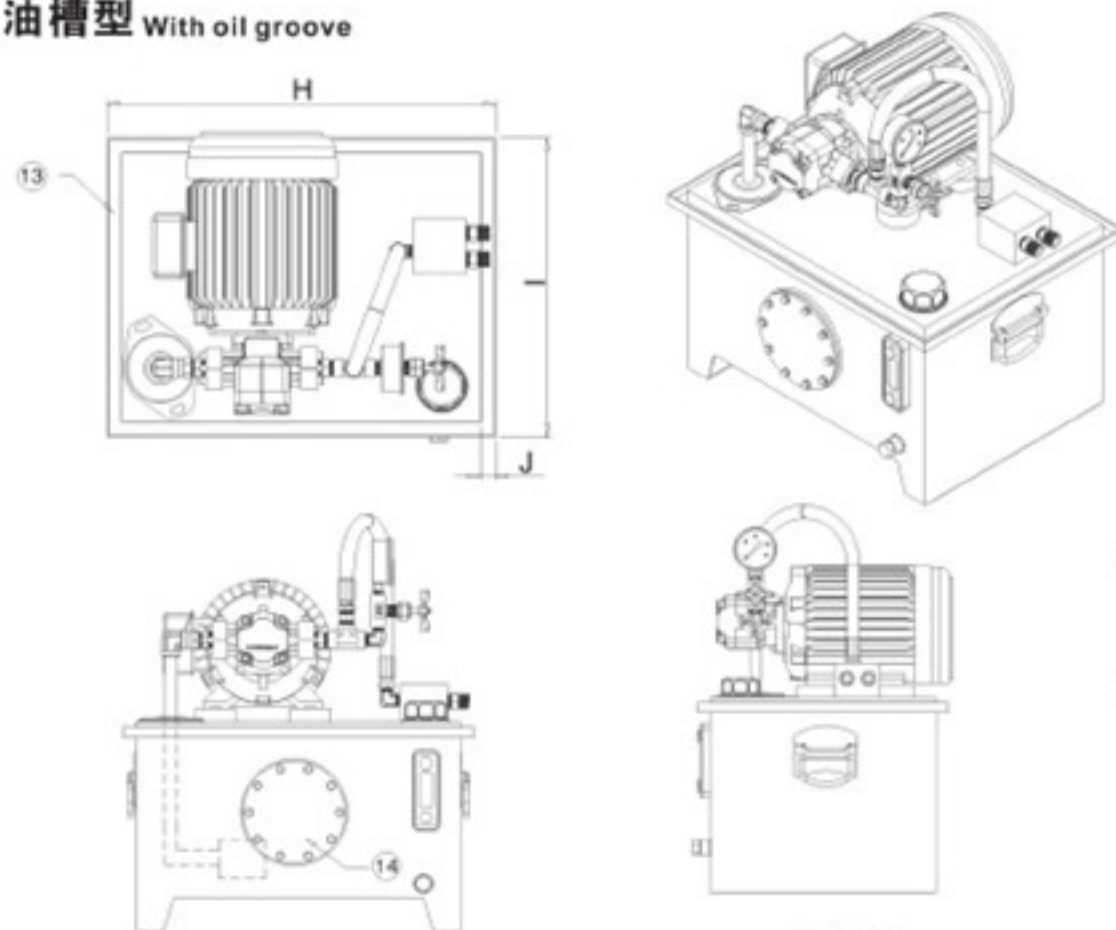
帶油槽型
with oil groove

高壓齒輪泵 HGP系列

High pressure gear pump HGP series

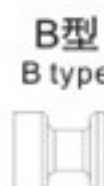


帶油槽型 With oil groove



編號 number	名稱 name
1	電機 motor
2	油泵 pump
3	油壓表開關 the switch of pressure gauge
4	油壓表 pressure gauge
5	油箱 reservoir
6	油路板 manifold
7	橡膠軟墊 Rubber cushion
8	加油口 oil inlet
9	油面計 oil level gauge
10	掛勾 hook
11	放油口 oil outlet
12	吸油濾線網 suction port filter
13	油槽 oil groove
14	清洗蓋 cleaning cover

注:1、第14項清洗蓋祇標配于150L以上的油箱。
2、訂貨時第10項掛勾可要求為吊環。
見下圖:
Note: 1 Item 14, the cleaning cover is provided for the reservoir which the capacity is above 150L.
2 Item 10 hook can be replaced by a ring as required.
See the following drawings.



帶油槽型

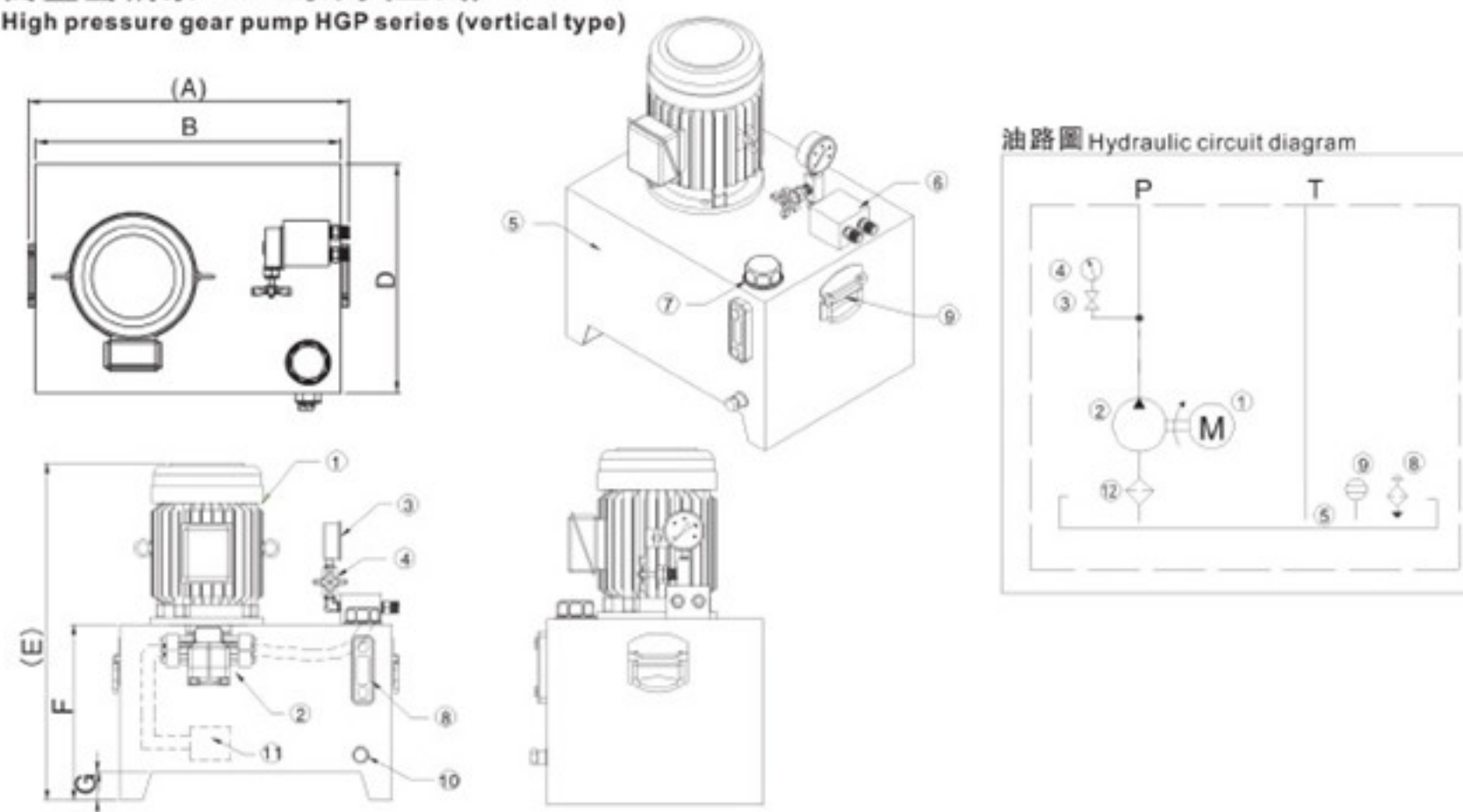
with oil groove

型號 model No	尺寸 size	A	B長 length	C	D寬 width	E	F	G	H長 length	I寬 width	J
1HP+HGP1A+40L		505	480	395	360	615	310	50	520	400	20
3HP+HGP2A+60L		565	540	435	400	690	350	50	580	440	20
5HP+HGP2A+80L		730	600	450	450	790	390	70	660	510	30
7.5HP+HGP3A+120L		830	700	520	520	850	420	70	760	580	30
10HP+HGP3A+150L		840	700	550	550	950	500	80	760	610	30
15HP+HGP3A+250L		1040	900	700	700	1030	520	120	960	760	30

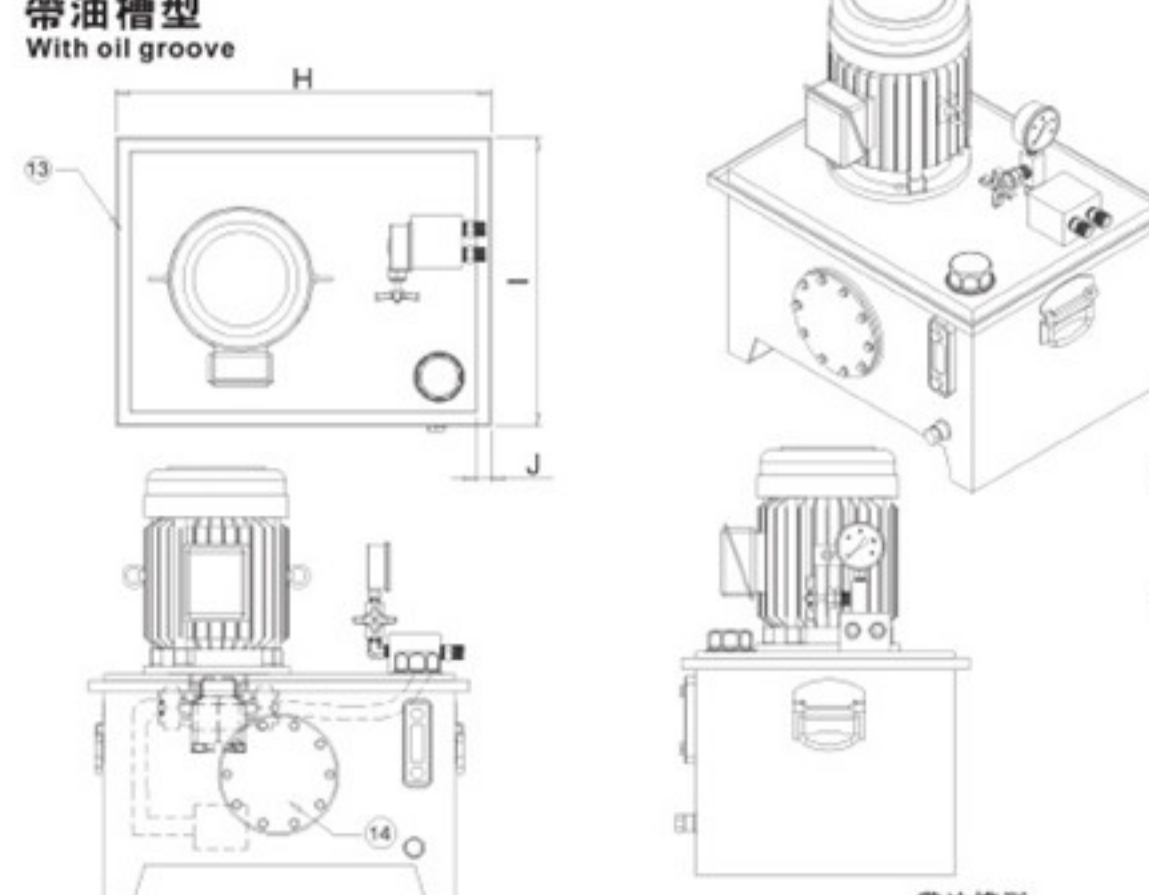
帶油槽型
with oil groove

高壓齒輪泵 HGP系列 (立式)

High pressure gear pump HGP series (vertical type)

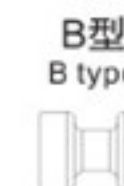


帶油槽型 With oil groove



編號 number	名稱 name
1	電機 motor
2	油泵 pump
3	油壓表開關 the switch of pressure gauge
4	油壓表 pressure gauge
5	油箱 reservoir
6	油路板 manifold
7	加油口 oil inlet
8	油面計 oil level gauge
9	掛勾 hook
10	放油口 oil outlet
11	吸油濾線網 suction port filter
12	油槽 oil groove
13	清洗蓋 cleaning cover

注:1、第13項清洗蓋祇標配于150L以上的油箱。
2、訂貨時第9項掛勾可要求為吊環。
見下圖:
Note: 1 Item 13, the cleaning cover is provided for the reservoir which the capacity is above 150L.
2 Item 9 hook can be replaced by a ring as required.
See the following drawings.

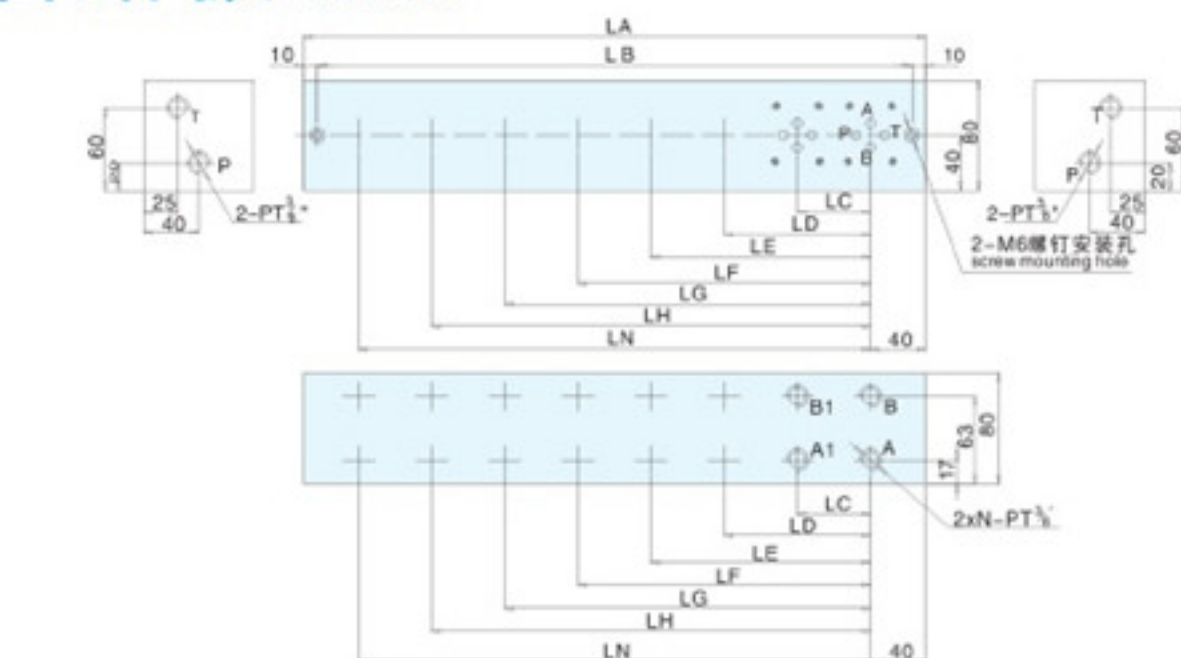


with oil groove									
型號 model No	尺寸 size	A	B長 length	D	E寬 width	F	G	H長 I 寬 length width	J
1HP+HGP1A+40L (立式)		505	480	360	545	310	50	520	400 20
3HP+HGP2A+60L (立式)		565	540	400	653	350	50	580	440 20
5HP+HGP2A+80L (立式)		730	600	450	680	390	70	660	510 30
7.5HP+HGP3A+120L (立式)		830	700	520	785	420	70	760	580 30
10HP+HGP3A+150L (立式)		840	700	550	880	500	80	760	610 30
15HP+HGP3A+250L (立式)		1040	900	700	1000	520	120	960	760 30

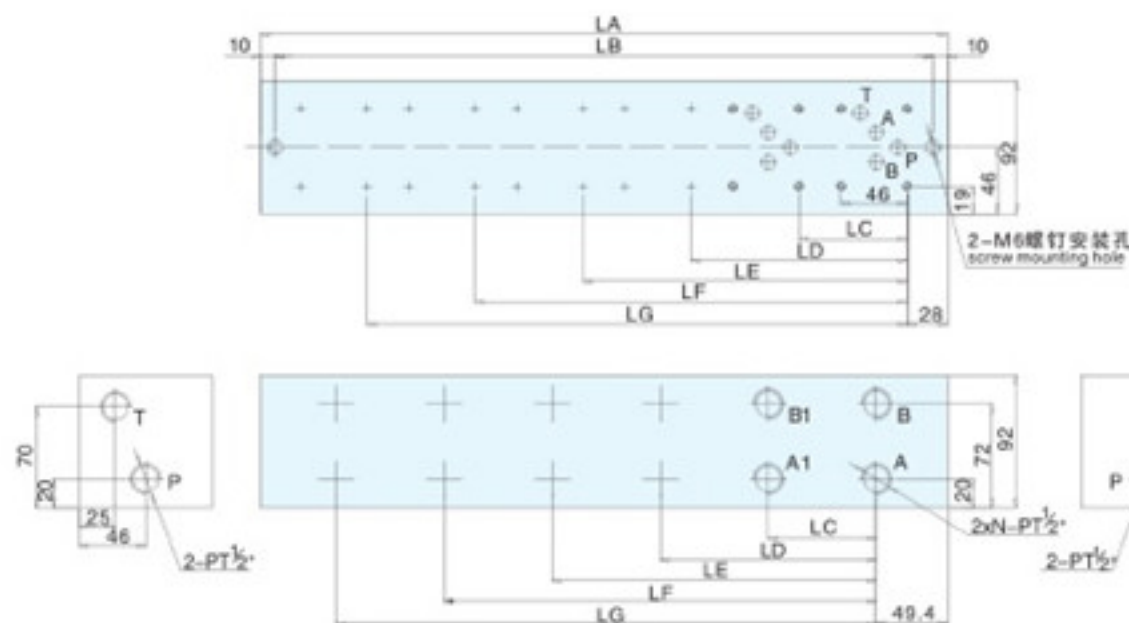
注:此系列全部配備側邊清洗蓋。 Note: This series are all equipped with side cleaning cover.

帶油槽型
with oil groove

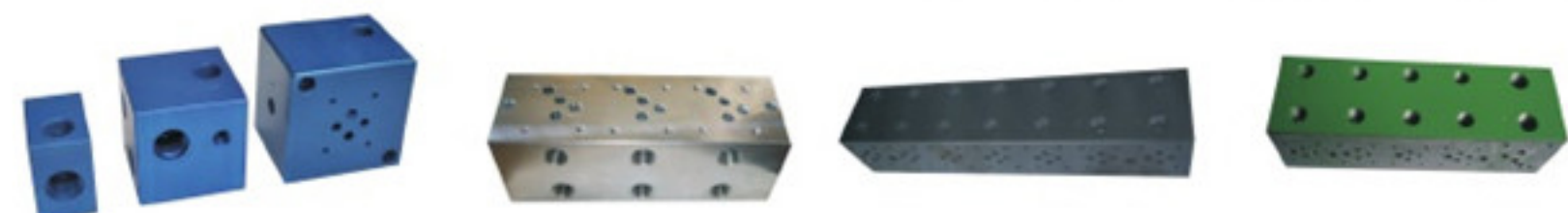
油路板 manifold



02尺寸油路板 manifold of size 02										
型號 model No	尺寸 size (mm)								重量 (KG) weight	
	LA	LB	LC	LD	LE	LF	LG	LH	LN	
H202-1W	80	80								4.0
H202-2W	133	113	53	106						5.8
H202-3W	186	166	53	106						9.3
H202-4W	239	219	53	106	159					12.0
H202-5W	292	272	53	106	159	212				14.7
H202-6W	345	325	53	106	159	212	265			17.3
H202-7W	398	378	53	106	159	212	265	318		20.0
H202-8W	451	431	53	106	159	212	265	318	371	22.7



03尺寸油路板 manifold of size 03								
型號 model No	尺寸 size (mm)							重量 (KG) weight
	LA	LB	LC	LD	LE	LF	LG	
H203-1W	102	82						6.8
H203-2W	177	157	75					11.8
H203-3W	252	232	75	150				16.7
H203-4W	327	307	75	150	225			21.7
H203-5W	402	382	75	150	225	300		26.7
H203-6W	477	457	75	150	225	300	375	31.7



低壓可變容量輪葉泵

Low pressure variable displacement vane pump



選購指南 how to order

VP	12	F	A2
系列編號 series number	吐出量分類 pump output classification	裝配型式 F.法蘭型 L.腳座型 Installation way F.flange type L.foot mounting type	壓力調整範圍 The adjustable range of pressure A1:5~30kg/cm ² A2:15~55kg/cm ² A3:40~70kg/cm ²

低壓可變容量輪葉泵性能表

Performance table of low pressure variable displacement vane pump

型號 model No	最高使用壓力 the maximum pressure	吐出量(L) output 1500r/min	配管尺寸 tubing size			旋轉速度 Rotational speed		重量 (kg) Weight	
			出口 outlet port	入口 inlet port	回油 oil return	最低 Minimum value	最高 Maximum value	腳座型 Foot mounting type	法蘭型 Flange type
VP-08	70kg/cm ²	6.6L/min	3/8	1/2	1/4	800	1800	6	5
VP-12	70kg/cm ²	10L/min	3/8	1/2	1/4	800	1800	6	5
VP-15	70kg/cm ²	12.5L/min	3/8	1/2	1/4	800	1800	6	5
VP-20	70kg/cm ²	16.6L/min	3/8	1/2	1/4	800	1800	6	5

低壓可變容量輪葉泵

Low pressure variable displacement vane pump



選購指南 how to order

VP+S	30	F	A1
系列編號 series number	吐出量分類 pump output classification	裝配型式 F.法蘭型 L.腳座型 Installation way F.flange type L.foot mounting type	壓力調整範圍 The adjustable range of pressure A1:5~30kg/cm ² A2:15~55kg/cm ² A3:40~70kg/cm ²

低壓可變容量輪葉泵性能表

Performance table of low pressure variable displacement vane pump

型號 model No	最高使用壓力 the maximum pressure	吐出量(L) output 1500r/min	旋轉速度 Rotational speed		重量 (kg) Weight
			最低 Minimum value	最高 Maximum value	
VP+S-30	70+210	22L	800	1800	9.4
VP+S-40	70+210	33L	800	1800	9.4

低壓可變容量輪葉泵

Low pressure variable displacement vane pump



選購指南 how to order

VP	30	F	A2
系列編號 series number	吐出量分類 pump output classification	裝配型式 F.法蘭型 L.腳座型 Installation way F.flange type L.foot mounting type	壓力調整範圍 The adjustable range of pressure A1:5~30kg/cm ² A2:15~55kg/cm ² A3:40~70kg/cm ²

低壓可變容量輪葉泵性能表

Performance table of low pressure variable displacement vane pump

型號 model No	最高使用壓力 the maximum pressure	吐出量(L) output 1500r/min	配管尺寸 tubing size			旋轉速度 Rotational speed		重量 (kg) Weight	
			出口 outlet port	入口 inlet port	回油 oil return	最低 Minimum value	最高 Maximum value	腳座型 Foot mounting type	法蘭型 Flange type
VP-30	70kg/cm ²	22	1/2	3/4	1/4	800	1800	12.5	9.5
VP-40	70kg/cm ²	33	1/2	3/4	1/4	800	1800	12.5	9.5

可變容量輪葉泵

Variable Displacement Vane Pump

中國液壓元件供應商
Chinese Hydraulic Machinery Supplier
Http://www.dgyeya.cn

高壓可變容量輪葉泵

High pressure variable displacement vane pump



◆選購指南 how to order

HVP	30	F	A3
系列編號 series number	吐出量分類 pump output classification	裝配型式 F.法蘭型 L.腳座型 Installation way F.flange type L.foot mounting type	壓力調整範圍 The adjustable range of pressure A1:40~70kg/cm ² A2:105kg/cm ² A3:140kg/cm ²

高壓可變容量輪葉泵性能表 performance table of high pressure variable displacement vane pump									
型號 model No	最高使用壓力 the maximum pressure	吐出量(L/min) output	配管尺寸 tubing size			旋轉速度 rotational speed		重量 weight (kg)	
			出口 outlet port	入口 inlet port	回油 oil return	最低 minimum value	最高 maximum value	腳座型 foot mounting type	法蘭型 flange type
HVP-30	140kg/cm ²	30	1/2	3/4	1/4	800	1800	12.5	9.5
HVP-40	140kg/cm ²	40	1/2	3/4	1/4	800	1800	12.5	9.5

低壓雙聯可變容量輪葉泵

low pressure variable displacement vane double pump



◆選購指南 how to order

VP	16-16	F	A2
系列編號 series number	吐出量分類 pump output classification	裝配型式 F.法蘭型 L.腳座型 Installation way F.flange type L.foot mounting type	壓力調整範圍 The adjustable range of pressure A1:5~30kg/cm ² A2:15~55kg/cm ² A3:40~70kg/cm ²

低壓可變容量輪葉泵性能表 performance table of low pressure variable displacement vane pump									
型號 model No	最高使用壓力 the maximum pressure	吐出量(L/min) output	配管尺寸 tubing size			旋轉速度 rotational speed		重量 weight (kg)	
			出口 outlet port	入口 inlet port	回油 oil return	最低 minimum value	最高 maximum value	腳座型 foot mounting type	法蘭型 flange type
VP-20-20	70kg/cm ²	16-16	3/8	1/2	1/4	800	1800	10.5	9.5
VP-30-30	70kg/cm ²	22-22	1/2	3/4	1/4	800	1800	19	16
VP-40-40	70kg/cm ²	33-33	1/2	3/4	1/4	800	1800	19	16

固定容量輪葉泵

Constant Displacement Vane Pump

中國液壓元件供應商
Chinese Hydraulic Machinery Supplier
Http://www.dgyeya.cn

低壓固定容量輪葉泵

low pressure constant displacement vane pump



◆選購指南 how to order

50T	23	F	R
系列編號 series number	吐出量分類 pump output classification	裝配型式 F.法蘭型 L.腳座型 Installation way F.flange type L.foot mounting type	旋轉方向 R.順時針方向 L.逆時針方向 rotate mode R:clockwise direction L:counter clockwise direction

低壓固定容量輪葉泵性能表 performance table of low pressure constant displacement vane pump									
型號 model No	最高使用壓力 the maximum pressure	理論吐出容積 theoretical output (cc/r)	配管尺寸 tubing size		旋轉速度 rotational speed		重量 weight (kg)		
			出口 outlet port	入口 inlet port	最低 minimum value	最高 maximum value	腳座型 foot mounting type	法蘭型 flange type	
50T-07	70kg/cm ²	6.8	3/4	1	800	2000	10.5	9	
50T-12	70kg/cm ²	11.6	3/4	1	600	2000	10.5	9	
50T-17	70kg/cm ²	16.5	3/4	1	600	1800	10.5	9	
50T-23	70kg/cm ²	22.9	3/4	1	600	1800	10.5	9	
50T-26	70kg/cm ²	25.9	3/4	1	600	1800	10.5	9	
50T-36	70kg/cm ²	36	3/4	1	600	1800	10.5	9	
50T-39	70kg/cm ²	38.6	3/4	1	600	1800	10.5	9	
150T-48	70kg/cm ²	47.7	1 1/4	1 1/2	600	1500	26	25	
150T-61	70kg/cm ²	61.1	1 1/4	1 1/2	600	1500	26	25	
150T-75	70kg/cm ²	74.9	1 1/4	1 1/2	600	1500	26	25	
150T-94	70kg/cm ²	93.6	1 1/4	1 1/2	600	1200	26	25	
150T-116	70kg/cm ²	115.6	1 1/4	1 1/2	600	1200	26	25	

高壓固定容量輪葉泵

high pressure constant displacement vane pump



◆選購指南 how to order

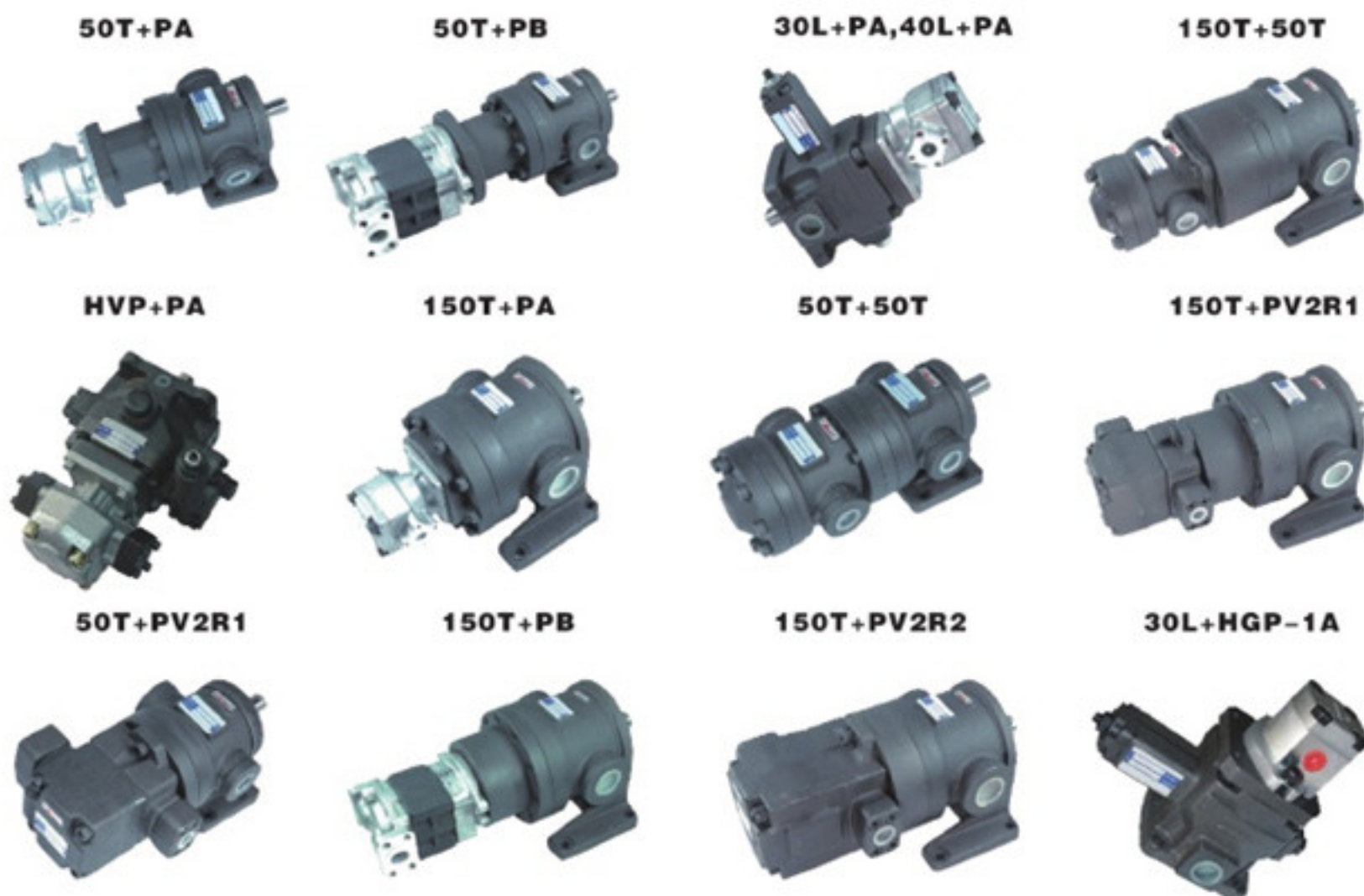
PV ₂ R ₁	23	F	R
系列編號 series number PV ₂ R ₁ PV ₂ R ₂ PV ₂ R ₃	吐出量分類 pump output classification	裝配型式 F.法蘭型 L.腳座型 Installation way F.flange type L.foot mounting type	旋轉方向 R.順時針方向 L.逆時針方向 rotate mode R:clockwise direction L:counter clockwise direction

注：吐出量有缺分并未在此冊，有需求請致電本公司。
Note: if the needed outputs are not listed here, please contact us.

高壓固定容量輪葉泵性能表 performance table of high pressure constant displacement vane pump									
型號 model No	最高使用壓力 the maximum pressure	理論吐出容積 theoretical output (cc/r)	配管尺寸 tubing size		旋轉速度 rotational speed		重量 weight (kg)		
			出口 outlet port	入口 inlet port	最低 minimum value	最高 maximum value	腳座型 foot mounting type	法蘭型 flange type	
PV2R1-08	210kg/cm ²	8.0	1/2	1	750	1800	12.5	10	
PV2R1-12	210kg/cm ²	12.2	1/2	1	750	1800	12.5	10	
PV2R1-14	210kg/cm ²	13.7	1/2	1	750	1800	12.5	10	
PV2R1-19	210kg/cm ²	18.6	1/2	1	750	1800	12.5	10	
PV2R1-23	210kg/cm ²	22.7	1/2	1	750	1800	12.5	10	
PV2R2-26	210kg/cm ²	25.8	3/4	1 1/4	600	1800	24.5	19	
PV2R2-33	210kg/cm ²	33.1	3/4	1 1/4	600	1800	24.5	19	
PV2R2-41	210kg/cm ²	41.3	3/4	1 1/4	600	1800	24.5	19	
PV2R2-47	210kg/cm ²	47.2	3/4	1 1/4	600	1800	24.5	19	
PV2R2-53	210kg/cm ²	52.5	3/4	1 1/4	600	1800	24.5	19	
PV2R2-59	210kg/cm ²	58.2	3/4	1 1/4	600	1800	24.5	19	
PV2R2-65	210kg/cm ²	64.7	3/4	1 1/4	600	1800	24.5	19	
PV2R3-76	210kg/cm ²	76.4	1 1/4	2	600	1800	46.7	36.7	
PV2R3-94	210kg/cm ²	93.6	1 1/4	2	600	1800	46.7	36.7	
PV2R3-116	160kg/cm ²	115.6	1 1/4	2	600	1800	46.7	36.7	

可變容量輪葉泵 Variable Displacement Vane Pump

高低壓泵組合模式 high/low pressure pump integrated mode



齒輪泵 gear pump



選購指南 how to order

GPY	5.8R	F	R
齒輪泵 gear pump	額定排量 rated displacement	法蘭安裝 flange type	旋轉方向 R:順時針方向 L:逆時針方向 rotate mode R:clockwise direction L:counter clockwise direction

日本GPY系列高壓齒輪泵 Japan GPY series high pressure gear pump						
型號 model No	排量(cc/r) displacement	定額壓力(Mpa) rated pressure	最高壓力(Mpa) the maximum pressure	旋轉速度 rotational speed		重量 weight (kg)
				最高 maximum value	最低 minimum value	
GPY-2R	2	21 (3000psi)	23 (3500psi)	3000	500	1.55
GPY-3R	3					1.56
GPY-4R	4					1.58
GPY-5.8R	5.8					1.60
GPY-8R	8	17.5 (2500psi)	21 (3000psi)	3000	500	1.65
GPY-9R	9					1.65
GPY-10R	10					1.70
GPY-11.5R	11.5					1.70

高壓齒輪泵 High Pressure Gear Pump

齒輪泵 gear pump



選購指南 how to order

HGP	1A	**	R
齒輪泵 gear pump	系列編號 series number	額定排量 rated displacement	旋轉方向 R:順時針方向 L:逆時針方向 rotate mode R:clockwise direction L:counter clockwise direction

齒輪泵性能表 performance table of gear pump						
型號 model No	排量(cc/r) displacement	定額壓力(Mpa) rated pressure	最高壓力(Mpa) the maximum pressure	旋轉速度 rotational speed		輸入功率(kw) input power
				最高 maximum value	最低 minimum value	
HGP-1A-1.1R	1.1	20 (2800psi)	22 (3100psi)	3000	600	0.86
HGP-1A-1.3R	1.3					1.02
HGP-1A-1.6R	1.6					1.25
HGP-1A-1.8R	1.8					1.45
HGP-1A-2R	2.1					1.65
HGP-1A-3R	3.0	16 (2200psi)	20 (2800psi)	2100	600	2.12
HGP-1A-4R	4.0					3.29
HGP-1A-5R	5.0					3.76
HGP-1A-6R	6.0					4.55
HGP-1A-8R	8.0					6.27

齒輪泵 gear pump



選購指南 how to order

HGP	2A	**	R
齒輪泵 gear pump	系列編號 series number	額定排量 rated displacement	旋轉方向 R:順時針方向 L:逆時針方向 rotate mode R:clockwise direction L:counter clockwise direction

齒輪泵性能表 performance table of gear pump						
型號 model No	排量(cc/r) displacement	定額壓力(Mpa) rated pressure	最高壓力(Mpa) the maximum pressure	旋轉速度 rotational speed		輸入功率(kw) input power
				最低 minimum value	最高 maximum value	
HGP-2A-2R	2	21 (2900psi)	23 (3500psi)	600	3000	1.02
HGP-2A-3R	3					1.25
HGP-2A-4R	4					2.12
HGP-2A-5R	5					2.17
HGP-2A-6R	6					3.25
HGP-2A-8R	8					4.15
HGP-2A-9R	9					4.72
HGP-2A-12R	12					6.30

齒輪泵 gear pump



選購指南 how to order

HGP	3A	**	R
齒輪泵 gear pump	系列號 series number 3A	排量 displacement	旋轉方向 R:順時針方向 L:逆時針方向 rotate mode R:clockwise direction L:counter clockwise direction

齒輪泵性能表 performance table of gear pump							
型號 model No.	排量(cc/r) displacement	定額壓力(Mpa) rated pressure	最高壓力(Mpa) the maximum pressure	旋轉速度 rotational speed	最低 minimum value	最高 maximum value	輸入功率(kw) input power
HGP-3A-11	11	20 (2800psi)	23 (3500psi)	3500	600		1.45
HGP-3A-14	14						2.69
HGP-3A-17	17						2.73
HGP-3A-19	19						2.85
HGP-3A-23	23	16 (2200psi)	20 (2800psi)				3.01
HGP-3A-25	25						2.51
HGP-3A-28	28						2.96
HGP-3A-30	30						3.12
							3.29
							3.25
							3.29
							3.76
							3.27
							3.41
							4.55
							3.50
							3.64
							6.27
							3.60
							3.70

雙聯齒輪泵HGP-22A-**R

double gear pump



齒輪泵組性能表 performance table of gear pump group							
排量 (cc/r) displacement	a1 a2	前泵進口法蘭直徑 front pump inlet flange diameter			後泵進口法蘭直徑 back pump inlet flange diameter		
		ΦD (軸芯) spindle	ΦA (止口) grooving	e (固定螺絲) locking screw	ΦD	ΦA	e
4	52	13	30	M6	13	30	M6
6	54						
8	57.5						
10	60	20	40	M8			
12	64						
14	66						
16	70						
20	76						
25	84	22					

直接式電機附定量、變量葉片泵

direct-connection motor with constant displacement and variable displacement vane pump



特性

- 直接式電機附定量，變量葉片泵設計成一體，更便於使用。
- 電機與泵一體可以節省安裝空間，同心度高，因此減少噪音。
- 泵壓力流量曲線，變更泵功率曲線，請參見相關部分。
- 如電機控制方式特殊或組合超出以下所列形式請和我們聯系。

features

- 1 the integration of direct-connection motor and constant and variable displacement pump makes the usage convenient.
- 2 the integration of motor and pump can save space and improve concentricity so as to reduce the noise.
- 3 about the pressure and flow curve of the pump and power curve of the variable displacement pump, please see the pump instruction in this catalogue
- 4 if the control way or combination way are not listed below, please contact us.

型號說明 model code

VP30	-3HP-	4P
泵的形式 type of pump	電機功率 power of motor	電機極數 motor poles
泵的型號詳見泵部份 please see the pump instruction of this catalogue	電機詳見電機部份 please see the motor instruction of this catalogue	4P: 4極 poles 6P: 6極 poles



內軸帶變量泵
inner shaft variable displacement pump



內軸帶定量葉片泵(高壓)
inner shaft constant displacement vane pump (high pressure type)



內軸帶雙聯葉片泵
inner shaft vane double pump



內軸帶變量泵
inner shaft variable displacement pump



內軸帶定量葉片泵(低壓)
inner shaft constant displacement vane pump (low pressure type)



內軸帶變量泵
inner shaft variable displacement pump

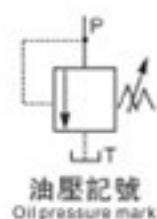
組合形式示例 examples of combinations

組合形式 combination	電機形式 type of motor	功率 power	泵型號 pump model No.
VP-**-1HP-4P	1HP4P3VPΦ380/50Hz	1HP-0.746KW	VP12/20-F
VP-**-2HP-4P	2HP4P3VPΦ380/50Hz	2HP-1.5KW	VP12/20-F
VP-**-2HP-4P	2HP4P3VPΦ380/50Hz	2HP-1.5KW	VP30/40-F
VP-**-3HP-4P	3HP4P3VPΦ380/50Hz	3HP-2.2KW	VP30/40-F
VP-**-3HP-4P	3HP4P3VPΦ380/50Hz	3HP-2.2KW	50T
VP-**-5HP-4P	5HP4P3VPΦ380/50Hz	5HP-3.7KW	50T

備注：我司可提供和PV2R、50T、150T、HP、DS等相配的內軸式電機。

Note: We can provide the inner axle motors that match PV2R, 50T, 150T, HP, DS

直動式調壓閥 direct type pressure control valve

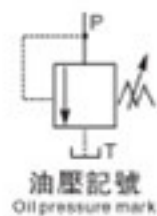


◆選購指南 how to order

D	G	01	B
系列編號 series number 直動式直流閥 direct operated relief valve	接續型號 T: 管式 connection type T: tube type	稱呼口徑 見下圖 address see the following chart	壓力調整範圍 見下圖 the range of pressure: see the following chart

型式 type	壓力調整範圍 the range of pressure (kgf/cm ²)	定額流量 rated flow (L/min)	重量 weight(kg)
座墊型 cushion type			
DG-01	B: 10~70 C: 35~140 H: 70~210	2	1.0
DG-02		16	1.0

先導管螺紋調壓閥 piloted tube thread pressure control valve

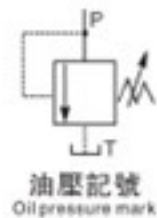


◆選購指南 how to order

B	T	04	B
系列編號 series number 直流閥 relief valve	接續型號 T: 管式 connection type T: tube type	稱呼口徑 見下圖 address 04=1/2 06=3/4 10=11/4	壓力調整範圍 見下圖 the range of pressure: see the following chart

型式 type	壓力調整範圍 the range of pressure (kgf/cm ²)	定額流量 rated flow (L/min)	重量 weight(kg)
配管型 tubing type			
BT-04	B: 10~70 C: 35~140 H: 70~250	60	2.4
BT-06		120	4.0
BT-10		200	7.0

先導板式調壓閥 piloted plate pressure control valve

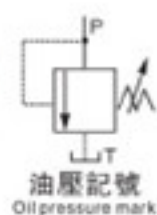


◆選購指南 how to order

B	G	03	B
系列編號 series number 直流閥 relief valve	接續型號 connection type	稱呼口徑 見下圖 address see the following chart	壓力調整範圍 見下圖 the range of pressure: see the following chart

型式 type	壓力調整範圍 the range of pressure (kgf/cm ²)	定額流量 rated flow (L/min)	重量 weight(kg)
座墊型 cushion type			
BG-03	B: 10~70 C: 35~140 H: 70~250	60	5.0
BG-06		120	6.0
BG-10		200	11

先導式低噪音調壓閥 piloted low noise pressure control valve



◆選購指南 how to order

SB	G	03	B
系列編號 SB 低噪音 直流閥 series number SB low noise relief valve	接續型號 connection type	稱呼口徑 見下圖 address see the following chart	壓力調整範圍 見下圖 the range of pressure: see the following chart

型式 type	壓力調整範圍 the range of pressure (kgf/cm ²)	定額流量 rated flow (L/min)	重量 weight(kg)
座墊型 cushion type			
SBG-03	B: 10~70 C: 35~140 H: 70~250	60	4.1
SBG-06		120	5.0
SBG-10		200	10.5

電磁溢流閥 solenoid relief valve



◆選購指南 how to order

S-	BS	G	06	BO	A1
低噪音 可選 low noise optional	系列編號 series number 電磁溢流閥 solenoid relief valve	接續型號 T: 管式 G: 板式 connection type T: tube type G: plate type	稱呼口徑 見下圖 address see the following chart	接續型號 decompression way	繞線型號 coil winding type A1=AC110V A2=AC220V D1=DC12V D2=DC24V

■性能表 performance table

調整型號 adjustable solenoid valve model No.	壓力調整範圍 the range of pressure (kgf/cm ²)	定額流量 rated flow (L/min)	重量 weight(kg)
座墊型 cushion type			
S-BSG-03	10-250	60	5.5
S-BSG-06		120	9.0
S-BSG-10		240	15.5
S-BST-06		120	5.7

形式 type	油壓圖記號 mark of oil pressure ring	繞線型號 the action state of coil initiation and pressure pilot coil A coil B	導壓孔動作狀態 the action state of pressure pilot hole
B1		ON OFF	A孔 hole A 油槽 (卸載) oil groove (unloading)
BO		ON OFF	油槽 (卸載) oil groove (unloading) B孔 hole B
BC		ON OFF	閉狀態 (調壓閥設定) closed state (the set of pressure control valve) B孔 hole B
B2		ON OFF	油槽 (卸載) oil groove (unloading) B孔 hole B
C2		OFF OFF	閉狀態 (調壓閥設定) closed state (the set of pressure control valve) A孔 hole A
C3		OFF OFF	油槽 (卸載) oil groove (unloading) A孔 hole A

減壓閥 pressure releasing valve



◆選購指南 how to order

RC	G	03	B
系列編號 series number R: 減壓 RC: 單向減壓 R: pressure-reducing RC: single size pressure-reducing	接續型號 T: 管式 G: 板式 connection type T: tube type G: plate type	稱呼口徑 見下圖 address see the following chart	壓力調整範圍 見下圖 the range of pressure: see the following chart

■性能表 performance table

減壓型號 pressure releasing valve No.	壓力調整範圍 the range of pressure (kgf/cm ²)	定額流量 rated flow (L/min)	泄油量 leakage (L/min)	重量 weight (kg)
座墊型 cushion type				
RG-03	B: 5~70 C: 35~140 H: 70~210	60	0.8	4.5
RG-06				4.8
RG-10				6.9
RCG-03				7.8
RCG-06				11.0
RCG-10				13.8

壓力繼電器 pressure relay



◆選購指南 how to order

JCS	02	NL
系列編號 series number	稱呼口徑 address	壓力調整範圍 the range of pressure:

■性能表 performance table

壓力繼電器型號 pressure relay model No.	壓力調整範圍 the range of pressure (kgf/cm ²)	重量 weight(kg)
JCS-02	N: 30~210 NL: 15~60 NLL: 3~55	1

DG4V電磁換向閥

DG4V Solenoid Operated Directional Valve



特性:

- 1、電磁鐵帶有手動應急裝置,應急裝置可在電磁鐵失靈的情況下控制閥芯運動。
- 2、電磁鐵裝配時可旋轉90° (僅限插頭型)。
- 3、可不釋放油液更換線圈。

該電磁換向閥主要由閥體、閥芯、1-2個電磁鐵和2根復位彈簧組成,它利用電磁鐵推動閥芯,從而改變液體流動方向來達到控制目的。為了獲得滿意的操作,務必使電磁鐵的壓力腔充滿油液。電磁換向閥可直接用在液壓系統中,控制油路的通、斷和切換;也可作先導閥,用來操作其它閥等。

feature:
1 the electromagnet has manual emergency device, and it can control the action of valve axle when the electromagnet does not work.
2 the electromagnet can rotate 90 degree during installation (just the plug type)
3 the coil can be changed with the oil kept.
the solenoid directional valve is mainly composed by valve body, valve axle, one or two electromagnets and two restoring springs. The magnet pushes the valve core and the flow direction changes. In that way, it controls the direction. In order to ensure its smooth working, please keep the pressure chamber full of oil all the time. The solenoid directional valve can be used directly in hydraulic system to make the circuit on, off and switch, or be used as pilot operated valve to control other valves.

型號說明 model code

DG4V	-3	-5	2	C	-U	-L	-G	-P	08	-60	H
系列 series	規格 standard	換向緩衝 reversing buffer	閥芯形式 valve axle type	復位方式 reset mode	接線方式 connection mode	插頭形式 plug form	線圈標記 coil mark	阻尼位置 damp position	阻尼孔徑 damp aperture	設計系列號 design number	
DG4V: 濕式電磁換向閥 Damp solenoid directional valve	3: 通徑6 drift diameter	無: 標準型 None: standard	根據機能符號列表選用 choose based on the function mark list	A: 彈簧偏置,端對端 A: bias spring, end to end AL: 同A,左手配置 AL: like A, left hand configuration B: 彈簧偏置,端對中 B: bias spring, end to middle BL: 同B,左手配置 BL: like B, left hand configuration C: 彈簧對中 C: spring to middle E: 無彈簧復位 E: no spring reset N: 帶定位機構 N: with location device	U: 插頭式 U: plug type L: 帶燈插頭 L: with light plug FW: 接線盒式 FW: junction box type N: 不帶燈插頭 N: no light plug	無: 不帶插頭 None: no plug	A B AJ BJ G H	無:不裝阻尼 None: no damp P:P口裝入 P: installed In port P A:A口裝入 A: installed in port A B:B口裝入 B: installed in port B	無:不裝阻尼 None: No damp 08:阻尼φ0.8 08:damp φ0.8 10:阻尼φ1.0 10:damp φ1.0 12:阻尼φ1.2 12:damp φ1.2	60	海特克液壓技術 HTK hydraulic technique
	5: 通徑10 drift diameter	S: 換向緩衝型 S: reversing buffer type									

備注:

- ① 交流型B及本整型BJ的輸入電壓為:AC240V60Hz和220V50Hz;
交流型A及本整型AJ的輸入電壓為:AC120V60Hz和110V50Hz;
直流型G、H的輸入電壓為:DC12V、24V。
- 特殊線圈電壓請洽本公司業務人員;
- 液壓緩動型閥不能使用交流電磁鐵,當使用交流電壓時,請選用本整型電磁鐵。

Remark:

① The input voltage of alternating type B and integral BJ type is: AC240V60Hz and 220V50Hz; The input voltage of alternating type A and integral AJ type is: AC120V 60Hz and 110V50Hz; The input voltage of direct current G H are: DC 12V, 24V. If there are special request about coil voltage, please contact us. Alternating current electromagnet can not be used in Hydraulic slow-action valve. If using Alternating current, please use integrated electromagnet.

電磁油壓切換閥

solenoid hydraulic changeover valve



◆選購指南 how to order

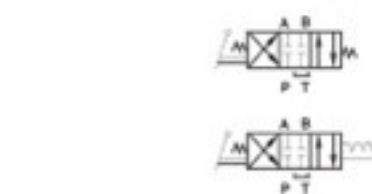
DG5V	7	2C	A2	P	D
系列編號 series number DG5V 電液換向閥 electro-hydraulic directional valve	通徑/mm bore 5: φ10 7: φ16 8: φ25 10: φ32	機能 function 換向 direction change 見32頁 如有其他功能,請 洽本公司 See page 32 for functions. About more other functions, please contact us.	線圈形式 type of coil A1=AC110V A2=AC220V D1=DC12V D2=DC24V	外部導壓 內部無- outside pressure pilot inside no	外部泄油 內部無- outside oil drain inside no

◆性能表 performance table

型式 type	定額流量 rated flow (L/min)	最大流量 maximum flow (L/min)	最高使用壓力 maximum pressure value (kgf/cm ²)	容許背壓 allowed backpressure	最高切換頻度 highest switching frequency (Time/min)	重量 weight (kg)
DG5V-5	100	120L	250	140	120	6.4
DG5V-7	180	200L	250	140	120	8.5
DG5V-8	300	350L	250	140	120	17.6
DG5V-10	400	500L	250	140	120	40.5

手動切換閥

manual switching valve



◆選購指南 how to order

DMT	06	3C6
系列編號 series number DMT管式 DMG板式 DMT tubular type DMG plate type	螺口口徑 address 02=1/4 03=3/8 04=1/2 06=3/4 10=1 1/4	滑軸插銷 type of slide axle 3C6 3D6 3C2 3D2 3C3 3D3 C=彈簧復位 D=鋼珠定位 spring return steel ball locate

◆性能表 performance table

型式 type	最大流量 maximum flow (L/min)	最高使用壓力 maximum pressure value (kgf/cm ²)	容許背壓 allowed backpressure	大約重量(kg) approximate weight
DMG-02	25	250	70	2
DMG/DMT-03	50	250	100	4.0
DMT-04	100	250	140	7.6
DMG/DMT-06	180	250	140	13.0
DMT-10	300	250	140	22.0

*注:最大流量隨閥的型式不同而異,在中立位置、P孔與T孔相通的型式即3C3,3C6,其流量較小。
Note: The maximum flow will be different depending on the type of valve. And when it is in the middle and pore P open to pore T, that is 3C3, 3C6, the flow is relatively small.

逆止閥(單向閥)

check valve



◆選購指南 how to order

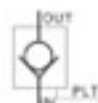
CRG	06	05
系列編號 series number CRG-板式 CIT-管式 CRG=plate-type CIT=tube-type	螺口口徑 address	背流壓力 breakout pressure

◆性能表 performance table

型式 type		定格流量 rated flow (L/min)	最高使用壓力 maximum pressure value (kgf/cm ²)	背流壓力 start pressure (kgf/cm ²)	大約重量 (kg) approximate weight	
配管型 tubular type	座墊型 tubing type				管式 tubular type	板式 plate type
CIT-03	CRG-03	40	250	05:0.5 50:5	0.2	1.5
CIT-04		60	250		0.4	
CIT-06	CRG-06	100	250		0.7	2.5
CIT-08		180	250		1.0	
CIT-10	CRG-10	350	250		2.1	4

引導逆止閥

pilot operated check valve



◆性能表 performance table

型式 type	配管型 tubing type	座墊型 cushion type	定格流量 rated flow (L/min)	最高使用壓力 maximum pressure (kgf/cm ²)	啓流壓力 starting pressure (da)	重量 weight (kg)	
						TTYPE	GTYPE
CPDT-03	CPDG-03		50	250	A1:0.5 A2:4.5 B:0.35	3.4	4.5
CPDT-04	CPDG-04		75	250		3.4	
CPDT-06	CPDG-06		125	250		5.2	7.0
CPDT-10	CPDG-10		320	250		11.6	12.0
CPDT-16			400	250		24.2	

◆選購指南 how to order

CPD	T	06	A1
系列編號 series number	連通型式 G: 板式 T: 管式 connection type G: plate type T: tube type	稱呼口徑 見下圖 address see the following chart	啓流壓力 見下圖 starting pressure see the following chart

充液閥

surge valves



◆性能表 performance table

型式 type	稱呼口徑 address	最大流量 (L/min)	最高使用壓力 maximum pressure (Mpa)	開啓壓力 (kgf/cm ²)	重量 weight (kg)
PF-80-~-20	3"	400	25	0.012	8
PF-90-~-20	3-1/2"	630		0.012	11.3
PF-100-~-20	4"	1000		0.012	14.5
PF-125-~-20	5"	1600		0.012	23
PF-150-~-20	6"	2500		0.013	

◆選購指南 how to order

PF	80	-FP
系列編號 series number PF	稱呼口徑 address 80 90 100 125 150	連接方法 FP: P孔法蘭 FT: T孔法蘭 F.P.T.孔法蘭 fast connection throttling by pore P throttling by pore T

傳統型節流閥

traditional throttle valve



◆性能表 performance table

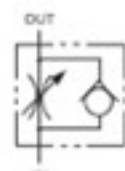
型式 type	配管型 tubing type	座墊型 cushion type	定格流量 rated flow (L/min)	最高使用壓力 maximum pressure (kgf/cm ²)	重量 weight (kg)	
					SRT	SRCT
SRT-03	SRG-03		250	30	1.4	1.5
SRCT-03	SRCG-03		250	30	1.5	2.0
SRT-06	SRG-06		250	85	2.6	2.7
SRCT-06	SRCG-06		250	85	3.5	4.4
SRT-10	SRG-10		250	230	6.1	5.2
SRCT-10	SRCG-10		250	230	7.4	8.1

◆選購指南 how to order

SRC	T	03
系列編號 series number	閉止閥 T: 管式 G: 板式 connection type T: tube type G: plate type	稱呼口徑 address 03=3/8 06=3/4 10=1 1/4

簡易型節流閥

simple throttle valve



◆性能表 performance table

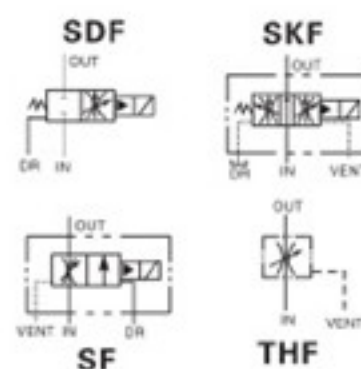
型式 type	最高使用壓力 maximum flow (kgf/cm ²)	定格流量 rated flow (L/min)	重量 weight (kg)
KC-02	250	20	0.3
KC-03	250	30	0.3
KC-04	250	40	0.5
KC-06	250	50	0.8
KCF-02	210	20	3.3
KCF-03	210	30	3.3

◆選購指南 how to order

KC	03
系列編號 series number KC KCF	稱呼口徑 address

電磁方向流量控制閥

solenoid direction flow control valve



◆性能表 performance table

型式 type	最高使用壓力 maximum flow (kgf/cm ²)	定格流量 rated flow (L/min)	重量 weight (kg)
THF-06	250	120	5.7
THF-10	250	240	8.7
SF-06	250	120	5.7
THF-10	250	240	8.7
SDF-06	250	120	5.7
SDF-10	250	240	8.7
SKF-06	250	120	6.2
SKF-10	250	240	6.2

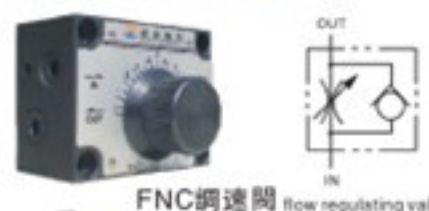
(以上閥不含電磁換向閥, SF配02-2B2, SKF配02-3C4)
solenoid directional valve is not included above, SF with 02-2B2, SKF with 02-3C4

◆選購指南 how to order

SF	06
系列編號 series number	稱呼口徑 address

流量控制閥

flow control valve



FNC調速閥 flow regulating valve

FKC帶撞輪調速閥
flow regulating valve with hit wheel

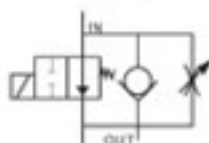
◆性能表 performance table

型式 type	最高使用壓力 maximum flow (kgf/cm ²)	流量調整範圍 adjustable flow range (e/min)	自由流量 free flow (e/min)	重量 weight (kg)
FNC-02	70	0.05-2	20	1.2
FNC-03	70	0.01-8	30	1.9
FKC-02	70	0.01-4	20	1.2
FKC-03	70	0.01-8	30	1.9

◆選購指南 how to order

FKC	02
系列編號 series number FNC FKC	稱呼口徑 address

電磁流量控制閥 solenoid flow control valve



◆性能表 performance table

型式 type	最高使用壓力 maximum pressure (kgf/cm ²)	流量調整範圍 adjustable flow range (e/min)	自由流量 free flow (e/min)	重量 weight (kg)
FSC-02	70	0.01-4	20	1.9
FSC-03	70	0.01-8	30	2.6

◆選購指南 how to order

FSC	02	A2
系列編號 series number	附逆止閥 with check valve	連通型式 connection way A1=AC110V A2=AC220V D1=DC12V D2=DC24V

◆選購指南 how to order

FMS	02T	A2
系列編號 series number	稱呼口徑 address T: T孔卸流 P: P孔卸流 A: A孔卸流	連通型式 circuit way A1=AC110V A2=AC220V D1=DC12V D2=DC24V

◆性能表 performance table

型式 type	最高使用壓力 maximum pressure (kgf/cm ²)	流量調整範圍 adjustable flow range (e/min)	自由流量 free flow (e/min)	重量 weight (kg)
MFS-02	70	0.01-6	30	2.0
MFS-03	70	0.01-8	60	4.4

◆選購指南
how to order

03-20Φ
系列編號 series number

◆性能表 performance table

型式 type	定額流量 rated flow (L/min)	最高使用壓力 maximum pressure (kgf/cm ²)	推薦機種 recommended type
03-20Φ	20	70	250X500
03-25Φ	30	70	300X600
04-25Φ	40	70	400X800

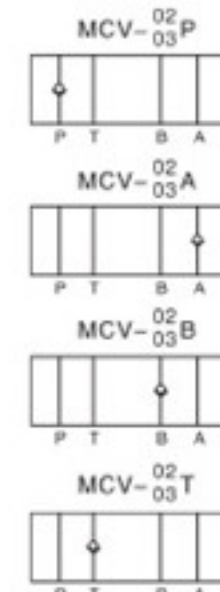
◆選購指南 how to order

SOL	04
系列編號 series number	稱呼口徑 address

◆性能表 performance table

型式 type	定額流量 rated flow (L/min)	最高使用壓力 maximum pressure (kgf/cm ²)	推薦機種 recommended type
SOL-04	30	70	300X600
SOL-06	45	70	500X1000

積層逆止閥 multilayer check valve



◆選購指南 how to order

MCV	P	02	B
系列編號 series number	控制油口 見下面 control fluid port see the following chart	稱呼口徑 address P: P12 T: T12 A: A12 B: B12	背流壓力 starting pressure A: 0.5kg/cm ² B: 3.5kg/cm ² C: 4.6kg/cm ²

◆性能表
performance table

型式 type	定額壓力 rated pressure (kgf/cm ²)	背流壓力 starting pressure (kgf/cm ²)	定額流量 rated flow (L/min)	重量 weight (kg)
MCV-P-02	250	A: 0.5 B: 3.5 C: 4.6	02: 40 03: 80 06: 200	1.0
MCV-P-03				2.0
MCV-P-06				10.5
MCV-A-02				1.0
MCV-A-03				2.0
MCV-A-06				10.5
MCV-B-02				1.0
MCV-B-03				2.0
MCV-B-06				10.5
MCV-T-02				1.0
MCV-T-03				2.0
MCV-T-06				10.5

◆選購指南 how to order

MPCV	02	W	B
系列編號 series number	稱呼口徑 見下面 address see the following chart	作動型式 W: 雙液控 A: 保壓 B: 保壓 action form W: double port control A: pressurize B: pressurize	背流壓力 starting pressure 見下面 see the following chart

◆性能表
performance table

型式 type	定額壓力 rated pressure (kgf/cm ²)	背流壓力 starting pressure (kgf/cm ²)	定額流量 rated flow (L/min)	重量 weight (kg)
MPCV-02A	250	A: 0.5 B: 3.5 C: 4.6	02: 40 03: 80 04: 150 06: 200	1.0
MPCV-03A				2.0
MPCV-04A				8.0
MPCV-06A				10.5
MPCV-02B				1.0
MPCV-03B				2.0
MPCV-04B				8.0
MPCV-06B				11.5
MPCV-02W				1.0
MPCV-03W				2.0
MPCV-04W				8.0
MPCV-06W				12.6

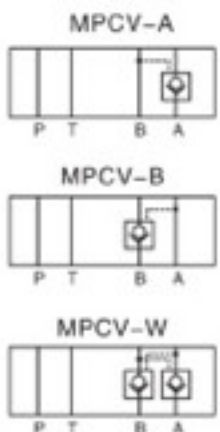
◆選購指南 how to order

MRV	02	P	1
系列編號 series number	稱呼口徑 address	作動型式 action form	壓力調整範圍 the adjustable pressure range

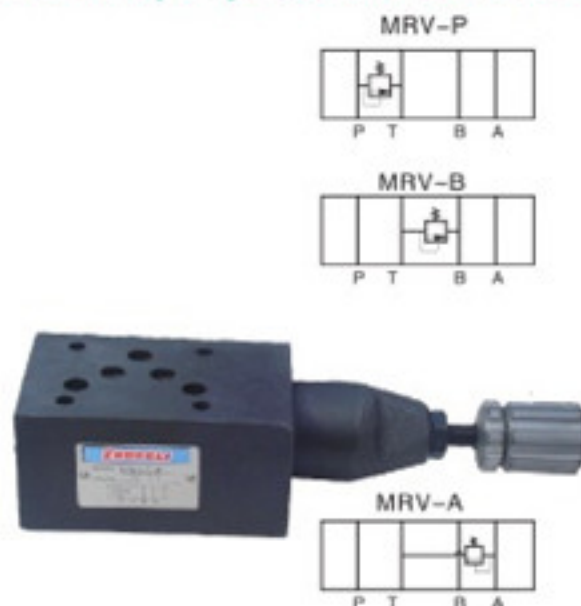
◆性能表
performance table

型式 type	定額壓力 rated pressure (kgf/cm ²)	調壓範圍 pressure regulating range (kgf/cm ²)	定額流量 rated flow (L/min)	大約重量 approximate weight (kg)
MRV-02P	250	1=70kg 2=140kg 3=210kg	02: 40 03: 80 06: 200	1.4
MRV-03P				3.4
MRV-06P				11.6
MRV-02A				1.4
MRV-03A				3.4
MRV-06A				11.6
MRV-02B				1.4
MRV-03B				3.4
MRV-06B				11.6

積層型引導逆止閥 multiplayer pilot check valve



積層型調壓閥 multilayer pressure control valve



平面研磨開關 plate lapping switch



平面研磨電動開關 plate lapping electric switch



積層減壓閥

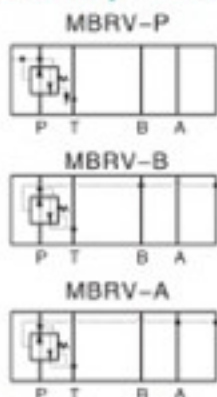
multilayer reducing valve

◆選購指南 how to order

MBRV	02	P	B
系列編號 series number	稱呼口徑 address	作動型式 action form	啟動壓力 starting pressure

◆性能表 performance table

型式 type	定額壓力 rated pressure (kgf/cm ²)	壓力調整範圍 the adjustable pressure range (kgf/cm ²)	定額流量 rated flow (L/min)	重量 weight (kg)
MBRV-02P	250	A:3-35 B:8-70 C:35-140 H:105-210	02:40 03:80 06:190	1.1
MBRV-03P				3.4
MBRV-06P				11.6
MBRV-02A				1.1
MBRV-03A				3.4
MBRV-06A				11.6
MBRV-02B				1.1
MBRV-03B				3.4
MBRV-06B				11.6



積層型順序閥

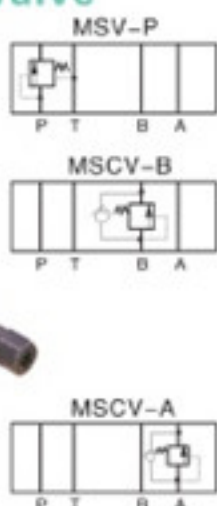
multilayer sequence valve

◆選購指南 how to order

MSV	02	B	P	D
系列編號 series number	稱呼口徑 address	壓力調整範圍 the adjustable pressure range	外部引導 outside pilot	外部泄油 outside oil drain

◆性能表 performance table

型式 type	定額壓力 rated pressure (kgf/cm ²)	壓力調整範圍 the adjustable pressure range (kgf/cm ²)	定額流量 rated flow (L/min)	重量 weight (kg)
MSV-02P	250	B:8-70 C:35-140 H:105-210	02:40 03:80	1.1
MSV-03P				3.8
MSCV-02A				1.1
MSCV-03A				3.8
MSCV-02B				1.1
MSCV-03B				3.8



積層型節流閥

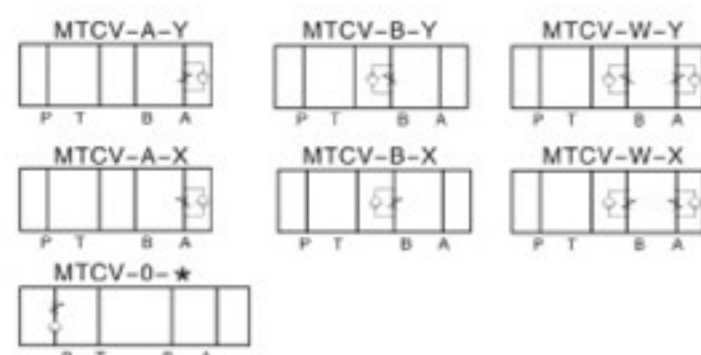
multiplayer check valve

◆選購指南 how to order

MTCV	02	W	X
系列編號 series number	稱呼口徑 address	作動型式 action form	節流方向 X:進油節流 Y:回油節流 throttle direction oil in throttling oil return throttling

◆性能表 performance table

型式 type	定額壓力 rated pressure (kgf/cm ²)	壓力調整範圍 the adjustable pressure range (kgf/cm ²)	定額流量 rated flow (L/min)	重量 weight (kg)
MTCV-02P	250	02:0.3-20 03:0.5-80	02:40 03:80 04:150 06:200	1.0
MTCV-03P				2.0
MTCV-04P				8.0
MTCV-06P				11.6
MTCV-02A				1.0
MTCV-03A				2.0
MTCV-04A				8.0
MTCV-06A				11.6
MTCV-02B				1.0
MTCV-03B				2.0
MTCV-04B				8.0
MTCV-06B				11.6
MTCV-02W				1.0
MTCV-03W				2.0
MTCV-04W				8.0
MTCV-06W				11.6



油壓冷却器

oil cooler



◆選購指南 how to order

OR-60L
系列編號 series number

◆性能表 performance table

型式 model	尺寸 lxhxd	出入口水口 water ports	出入口油口 oil ports	定額流量 rated flow l/min
OR-60L	465X120X89.1	3/4PT	3/4PT	60
OR-100L	540X120X114.3	3/4PT	3/4PT	100
OR-150L	580X170X139.8	3/4PT	1 1/4PT	150
OR-250L	800X170X139.8	3/4PT	1 1/4PT	250
OR-350L	1205X170X139.8	3/4PT	1 1/4PT	350
OR-600L	1225X196X165.2	1 1/2PT	2PT	600
OR-800L	1725X196X165.2	1 1/2PT	2PT	800
OR-1000L	2140X196X165.2	1 1/2PT	2PT	1000

濾油網

strainers



◆選購指南 how to order

MF	06
MF:網式 XU:線隙式 SP:旋式管 濾油器 MF:net type XU:line type SP:swing tube filter	稱呼口徑 address

◆性能表 performance table

型式 model	口徑 d PT	流量 flow l/min	過濾精度 filtration μ
MF-04	1/2PT	33	105
MF-06	3/4PT	50	105
MF-08	1PT	100	105
MF-10	1 1/4PT	180	105
MF-12	1 1/2PT	246	105
MF-16	2PT	384	105
MF-20	2 1/2PT	600	105
MF-24	3PT	900	105
XU-16-J	M16x1.5	16	80
XU-25-J	M22x1.5	25	80
XU-40-J	M27x1.5	40	80
XU-63-J	M33x2	63	80
XU-100-J	M42x2	100	80
XU-160-J	M48x2	160	80
SP-06	3/4	60	25
SP-08	1"	60	25
SP-10	1 1/4	144	25
SPA-10	1 1/4	200	25

油溫油面計

oil level indicators with thermometer



◆性能表 performance table

型式 model	總長度 length mm	寬度 width mm	厚度 thick mm	中心距英寸 pitch	附溫度計 thermo- meter
YE-3"	97	34.5	19	3"	有/With
YE-5"	114	34.5	19	5"	有/With
LS-3"	117	41	19	3"	有/With
LS-5"	178	51	19	5"	有/With

◆選購指南 how to order

YF	3"
系列編號 series number	螺絲中心距 distance of center

壓力計考克

gauge cocks



◆性能表 performance table

型式 model		最高使用壓力 max. operated pressure (kgf/cm ²)	定格流量 rated flow L/min
直線型 180°	直角型 90°		
GCT-02	GCLT-02	350	2
GCT-03	GCLT-03	250	21

◆選購指南 how to order

GCT	3"
系列編號 series number GCT:180 GCLT:90	稱呼口徑 address

甘油式壓力計

glycerine pressure gauges



◆性能表 performance table

型式 model	壓力 pressure (kgf/cm ²)	面徑 dial size	管牙 PT	耐溫 ℃
LA-2 1/2"	35 50 70 100 150	2 1/2"(60mm)	1/4"	90℃
LA-4"	250 350 500	4" (100mm)	3/8"	

◆選購指南 how to order

LA	2 1/2"	100k
系列編號 series number	面徑 dial size(mm)	壓力範圍 pressure range (kgf/cm ²)

◆選購指南 how to order

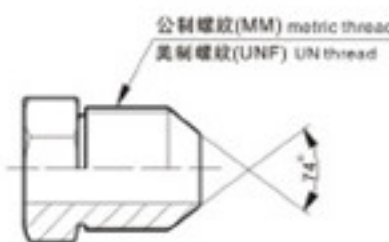
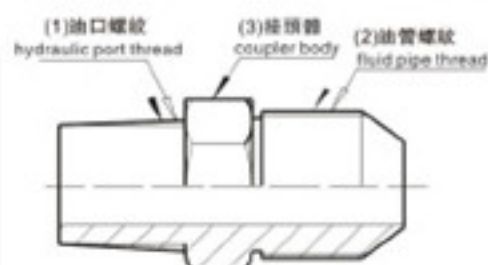
LB	2 1/2"	100k
系列編號 series number	面徑 dial size(mm)	壓力範圍 pressure range (kgf/cm ²)

◆性能表 performance table

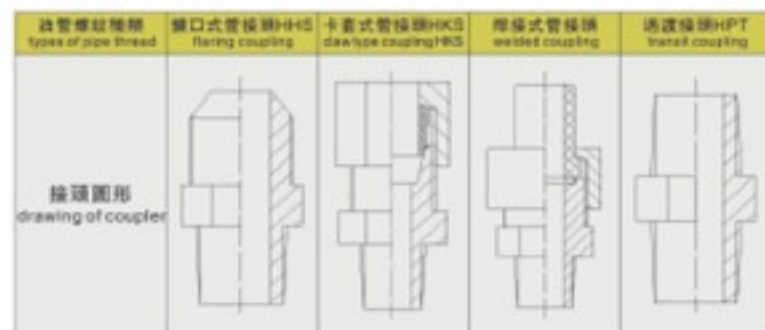
型式 model	壓力 pressure (kgf/cm ²)	面徑 dial size	管牙 PT	耐溫 ℃
LB-2 1/2"	35 50 70 100 150	2 1/2"(60mm)	1/4"	90℃
LB-4"	250 350 500	4" (100mm)	3/8"	



管接頭 coupler



油管螺紋種類 types of pipe thread



油口螺紋種類 types of hydraulic port thread

油口種類 type of hydraulic port	圓錐管螺紋 (55°) taper screw thread		圓柱管螺紋(55°) parallel screw thread		公制螺紋(55°) metric thread			
	ISO稱呼 ISO name	R(舊稱PT) old name	G(舊稱PF) old name		M			
	GB中國稱呼 Chinese name	ZG	G		M			
油口圖形 drawing of hydraulic port								
密封料 sealants	止洩帶 (生料帶) 聚四氟 tap seal (PTFE THREAD SEAL TAPE)		O形圈 O-ring		O形圈 O-ring			
使用說明 instructions	1、牙端1-2牙不呈螺旋 thread end 1-2 thread not be covered		硬度90 hardness		硬度90 hardness			
	2、從牙端看，順時針方向確鑿3-5圈 wind clockwise 3-5 rounds seen from the teeth end side							
鎖緊扭矩 tightening torque (kgf·m) (使用扭力扳手) using torque wrench			G1/8		1.1~1.2	M12 × 1.5	1~2	
			G1/4		2.5~2.8	M14 × 1.5	2~3.5	
			G3/8		4.1~4.8	M16 × 1.5	2.5~4	
			G1/2		7.2~8.2	M18 × 1.5	3~4.5	
			G3/4		12.4~13.7	M20 × 1.5	3.5~5	
			G1		15.1~16.5	M22 × 1.5	4~7	
			G1 1/4		19.2~20.6	M24 × 1.5	4~7	
			G1 1/2		26.1~27.5	M26 × 1.5	6~10	
			G2		34.3~35.7	M30 × 2.0	8~12	
							M36 × 2.0	10~15
				M42 × 2.0	15~22			
油口 hydraulic port	稱呼 name	外径-牙數 outer diameter-threads (mm-T/in)	油口 hydraulic port	稱呼 name	外径-牙數 outer diameter-threads (mm-T/in)	油口 hydraulic port	稱呼 name	外径-牙數 outer diameter-threads (mm-T/in)
螺紋 外徑大 (牙距) thread outer diameter (distance between threads)	PT1/8	9.7-28	G1/8	9.7-28	M12 × 1.5	12 × 1.5	NPT1/8	9.7-28
	PT1/4	13.1-19	G1/4	13.1-19	M14 × 1.5	14 × 1.5	NPT1/4	13.1-19
	PT3/8	16.6-19	G3/8	16.6-19	M16 × 1.5	16 × 1.5	NPT3/8	16.6-19
	PT1/2	20.4-14	G1/2	20.4-14	M18 × 1.5	18 × 1.5	NPT1/2	20.4-14
	PT3/4	26.4-14	G3/4	26.4-14	M20 × 1.5	20 × 1.5	NPT3/4	26.4-14
	PT1	33.2-11	G1	33.2-11	M22 × 1.5	22 × 1.5	NPT1	33.2-11
	PT1 1/4	41.9-11	G1 1/4	41.9-11	M24 × 1.5	24 × 1.5	NPT1 1/4	41.9-11
	PT1 1/2	47.8-11	G1 1/2	47.8-11	M26 × 1.5	26 × 1.5	NPT1 1/2	47.8-11
	PT2	59.6-11	G2	59.6-11	M30 × 2.0	30 × 2.0	NPG21	59.6-11
					M36 × 2.0	36 × 2.0		
					M42 × 2.0	42 × 2.0		

液壓輔助件系列
Other Hydraulic Accessories

訂購表示法 how to order

H	HS	PH	PT 1/4	W	S
general term of hydraulic port 油壓接頭總稱	擴口式油管接頭 flaring coupling 	接頭型式 type of flange PH HN TH HF SH HS HA THH PHA HE	擴口螺紋 flared end port thread 規格 specification PT (RC) 圓柱螺紋 type: screw thread G 圓柱螺紋 parallel screw thread M 公制螺紋 metric thread NPT 美制螺紋 UNF thread 注: 配油缸入口螺紋 with hydraulic oil inlet port thread	油管螺紋 hydraulic port thread 規格 specification W 美制螺紋 UNF thread M 公制螺紋 metric thread 注: 依顧客戶需要選用 Note: based on customer needs	形狀 shape S 直通 straight L 90度 90deg F 45度 45deg

PH 油口X油嘴 oil port x oil pipe	TH 油嘴X油嘴 oil pipe x oil pipe	SH 外牙X油嘴 outside w/d x oil pipe	HA 油口X活動油嘴 oil port x movable oil pipe	PHA 內牙X活動油嘴 inn Thread x movable oil pipe	HN 油嘴螺母 oil pipe nut	HF 油嘴內塞心 plug inside oil pipe	HS 油嘴平接頭 oil pipe half joint	THH 油嘴接頭蓋帽 oil pipe joint cover plug	HE 油嘴螺母罩 oil pipe nut plug
									

直通接頭HHS-PH-()-()-S
straight coupling



稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
PT1/8-W1/4	PT1/8	7/16-20
PT1/8-W5/16		1/2-20
PT1/8-W3/8		9/16-18
PT1/4-W1/4	PT1/4	7/16-20
PT1/4-W5/16		1/2-20
PT1/4-W3/8		9/16-20
PT1/4-W1/2		3/4-16
PT3/8-W1/4		7/16-20
PT3/8-W5/16	PT3/8	1/2-20
PT3/8-W3/8		9/16-18
PT3/8-W1/2		3/4-16
PT3/8-W5/8		7/8-14
PT3/8-W3/4		1 1/16-12
PT1/2-W1/4	PT1/2	7/16-20
PT1/2-W3/8		9/16-18
PT1/2-W1/2		3/4-16
PT1/2-W5/8		7/8-14
PT1/2-W3/4		1-1/16-12
PT1/2-W1	PT3/4	15/16-12
PT3/4-W3/8		9/16-18
PT3/4-W1/2		3/4-16
PT3/4-W5/8		7/7-14
PT3/4-W3/4		1-1/16-12
PT3/4-W1		1-5/16-12
PT3/4-W1 1/4		1-5/8-12

直通接头HHS-PH-()-()-S
straight coupling



稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
PT1/8-M10	PT1/8	M10x1
PT1/8-M12		M12x1.5
PT1/8-M14		M14x1.5
PT1/4-M12	PT1/4	M12x1.5
PT1/4-M14		M14x1.5
PT1/4-M16		M16x1.5
PT1/4-M18		M18x1.5
PT1/4-M22		M22x1.5
PT3/8-M14	PT3/8	M14x1.5
PT3/8-M16		M16x1.5
PT3/8-M18		M18x1.5
PT3/8-M22		M22x1.5
PT3/8-M24		M24x1.5
PT1/2-M27	PT1/2	M27x1.5
PT1/2-M18		M18x1.5
PT1/2-M22		M22x1.5
PT1/2-M24		M24x1.5
PT1/2-M27		M27x1.5
PT1/2-M30		M30x2
PT1/2-M33		M33x2
PT1/2-M39	PT3/4	M39x2
PT3/4-M27		M27x1.5
PT3/4-M33		M33x2
PT3/4-M36		M36x2
PT3/4-M39		M39x2

直通接頭HHS-PH-()-()-S
straight coupling



編呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
M10-M10	M10x1	M10x1
M10-M12		M12x1.5
M12-M12	M12x1.5	M12x1.5
M14-M12	M14x1.5	M12x1.5
M14-M14		M14x1.5
M14-M16		M16x1.5
M14-M18		M18x1.5
M16-M14	M16x1.5	M14x1.5
M16-M16		M16x1.5
M16-M18		M18x1.5
M18-M14		M14x1.5
M18-M16	M18x1.5	M16x1.5
M18-M18		M18x1.5
M16-M22		M22x1.5
M18-M27		M27x1.5
M20-M22	M20x1.5	M22x1.5
M22-M22	M22x1.5	M22x1.5
M22-M24		M24x1.5
M22-M27		M27x1.5
M22-M33		M33x2
M24-M24	M24x1.5	M24x1.5
M24-M30		M30x2
M27-M27	M27x1.5	M27x1.5
M27-M30		M30x2
M27-M33		M33x2

直通接頭HHS-PH()-()-S
straight coupling



稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
NPT1/8-W1/4	NPT1/8	7/16-20
NPT1/8-W5/16		1/2-20
NPT1/8-W3/8		9/16-18
NPT1/4-W1/4		7/16-20
NPT1/4-W5/16	NPT1/4	1/2-20
NPT1/4-W3/8		9/16-18
NPT1/4-W1/2		3/4-16
NPT3/8-W1/4		7/16-20
NPT3/8-W5/16	NPT3/8	1/2-20
NPT3/8-W3/8		9/16-18
NPT3/8-W1/2		3/4-16
NPT3/8-W5/8		7/8-14
NPT3/8-W3/4	NPT3/4	1-1/16-12
NPT1/2-W1/4		7/16-20
NPT1/2-W3/8		9/16-18
NPT1/2-W1/2		3/4-16
NPT1/2-W5/8	NPT1/2	7/8-14
NPT1/2-W3/4		1-1/16-12
NPT1/2-W1		1-5/16-12
NPT3/4-W3/8		9/16-18
NPT3/4-W1/2	NPT3/4	3/4-16
NPT3/4-W5/8		7/8-14
NPT3/4-W3/4		1-1/16-12
NPT3/4-W1		1-5/16-12
NPT3/4-W1-1/4		1-5/8-12

直通接頭HHS-PH()-()-S
straight coupling



稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
G1/8-M10	G1/8	M10 x 1
G1/8-M12		M12 x 1.5
G1/8-M14		M14 x 1.5
G1/4-M12		M12 x 1.5
G1/4-M14	G1/4	M14 x 1.5
G1/4-M16		M16 x 1.5
G1/4-M18		M18 x 1.5
G1/4-M22		M22 x 1.5
G3/8-M14	G3/8	M14 x 1.5
G3/8-M16		M16 x 1.5
G3/8-M18		M18 x 1.5
G3/8-M22		M22 x 1.5
G3/8-M24	G3/4	M24 x 1.5
G3/8-M27		M27 x 1.5
G1/2-M18		M18 x 1.5
G1/2-M22		M22 x 1.5
G1/2-M24	G1/2	M24 x 1.5
G1/2-M27		M27 x 1.5
G1/2-M30		M30 x 2
G1/2-M33		M33 x 2
G1/2-M39	G3/4	M39 x 2
G3/4-M27		M27 x 1.5
G3/4-M33		M33 x 2
G3/4-M36		M36 x 2
G3/4-M39		M39 x 2

雙外管接頭HHS-PH()-()-S
double outer coupling



稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
W1/4-W1/4	9/16-18	7/16-20
W3/8-W1/4		7/16-20
W3/8-W3/8		9/16-18
W1/2-W1/4		7/16-20
W1/2-W3/8	3/4-16	9/16-18
W1/2-W1/2		3/4-16
W5/8-W3/8		9/16-18
W5/8-W1/2		3/4-16
W5/8-W5/8	7/8-14	7/8-14
W3/4-W3/8		9/16-18
W3/8-W1/2		3/4-16
W3/4-W5/8		7/8-14
W3/4-W3/4	1-1/16-12	1-1/16-12
W1-W5/8		7/8-14
W1-W3/4		1-1/16-12
W1-W1		1-5/16-12

稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
M10-M10	M10 x 1	M10 x 1
M12-M12	M12 x 1.5	M12 x 1.5
M14-M14	M14 x 1.5	M14 x 1.5
M16-M16	M16 x 1.5	M16 x 1.5
M18-M18	M18 x 1.5	M18 x 1.5
M22-M22	M22 x 1.5	M22 x 1.5
M24-M24	M24 x 1.5	M24 x 1.5
M27-M27	M27 x 1.5	M27 x 1.5

90° 接頭coupler HHS-PH()-()-L



稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
NPT1/8-W1/4	NPT1/8	7/16-20
NPT1/8-W5/16		1/2-20
NPT1/8-W3/8		9/16-18
NPT1/4-W1/4		7/16-20
NPT1/4-W5/16	NPT1/4	1/2-20
NPT1/4-W3/8		9/16-18
NPT1/4-W1/2		3/4-16
NPT3/8-W1/4		7/16-20
NPT3/8-W5/16	NPT3/8	1/2-20
NPT3/8-W3/8		9/16-18
NPT3/8-W1/2		3/4-16
NPT3/8-W5/8		7/8-14
NPT3/8-W3/4	NPT1/2	1-1/16-12
NPT1/2-W1/4		7/16-20
NPT1/2-W3/8		9/16-18
NPT1/2-W1/2		3/4-16
NPT1/2-W5/8	NPT1/2	7/8-14
NPT1/2-W3/4		1-1/16-12
NPT1/2-W1		1-5/16-12
NPT3/4-W3/8		9/16-18
NPT3/4-W1/2	NPT3/4	3/4-16
NPT3/4-W5/8		7/8-14
NPT3/4-W3/4		1-1/16-12
NPT3/4-W1		1-5/16-12
NPT3/4-W1-1/4		1-5/8-12

90° 接頭coupler HHS-PH()-()-L



稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
G1/8-M10	G1/8	M10 x 1
G1/8-M12		M12 x 1.5
G1/8-M14		M14 x 1.5
G1/4-M12		M12 x 1.5
G1/4-M14	G1/4	M14 x 1.5
G1/4-M16		M16 x 1.5
G1/4-M18		M18 x 1.5
G1/4-M22		M22 x 1.5
G3/8-M14	G3/8	M14 x 1.5
G3/8-M16		M16 x 1.5
G3/8-M18		M18 x 1.5
G3/8-M22		M22 x 1.5
G3/8-M24	G3/4	M24 x 1.5
G3/8-M27		M27 x 1.5
G1/2-M18		M18 x 1.5
G1/2-M22		M22 x 1.5
G1/2-M24	G1/2	M24 x 1.5
G1/2-M30		M30 x 2
G1/2-M33		M33 x 2
G1/2-M39		M39 x 2
G3/4-M27	G3/4	M27 x 1.5
G3/4-M33		M33 x 2
G3/4-M36		M36 x 2
G3/4-M39		M39 x 2

45° 接頭 coupler HHS-PH()-()-F

稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
PT1/8-W1/4	PT1/8	7/16-20
PT1/8-W1/4		7/16-20
PT1/4-W3/8		9/16-18
PT1/4-W1/2		3/4-16
PT3/8-W1/4	PT3/8	7/16-20
PT3/8-W3/8		9/16-20
PT3/8-W1/2		3/4-16
PT3/8-W5/8		7/8-14
PT1/2-W1/4	PT1/2	7/16-20
PT1/2-W3/8		9/16-20
PT1/2-W1/2		3/4-16
PT1/2-W5/8		7/8-14
PT3/4-W1/2	PT3/4	3/4-16
PT3/4-W3/4		1-1/16-12
PT3/4-W1		1-5/16-12
PT1-W3/4		1-1/16-12
PT1-W1	PT1	1-5/16-12
PT1-W11/4		1-5/8-18

90° 外焊管接頭 HHS-PH()-()-L
outer welding coupler

稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
1/4-W1/4	1/4	7/16-20
3/8-W3/8	3/8	9/16-20
1/2-W1/2	1/2	3/4-16
3/4-W3/4	3/4	1-1/16-12
1-W1	1	1-5/16-12

90° 接頭HHS-PH()-()-L
coupler



稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
PT1/8-W1/4	PT1/8	7/16-20
PT1/8-W5/16		1/2-20
PT1/8-W3/8		9/16-18
PT1/4-W1/4		7/16-20
PT1/4-W5/16	PT1/4	1/2-20
PT1/4-W3/8		9/16-18
PT1/4-W1/2		3/4-16
PT3/8-W1/4		7/16-20
PT3/8-W5/16	PT3/8	1/2-20
PT3/8-W3/8		9/16-18
PT3/8-W1/2		3/4-16
PT3/8-W5/8		7/8-14
PT3/8-W3/4	PT3/4	1-1/16-12
PT1/2-W1/4		7/16-20
PT1/2-W3/8		9/16-18
PT1/2-W1/2		3/4-16
PT1/2-W5/8	PT1/2	7/8-14
PT1/2-W3/4		1-1/16-12
PT1/2-W1		1-5/16-12
PT3/4-W3/8		9/16-18
PT3/4-W1/2	PT3/4	3/4-16
PT3/4-W5/8		7/8-14
PT3/4-W3/4		1-1/16-12
PT3/4-W1		1-5/16-12
PT3/4-W1-1/4		1-5/8-12

90° 接頭HHS-PH()-()-L
coupler



稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
PT1/8-M10	PT1/8	M10 x 1
PT1/8-M12		M12 x 1.5
PT1/8-M14		M14 x 1.5
PT1/4-M12		M12 x 1.5
PT1/4-M14	PT1/4	M14 x 1.5
PT1/4-M16		M16 x 1.5
PT1/4-M18		M18 x 1.5
PT1/4-M22		M22 x 1.5
PT3/8-M14	PT3/8	M14 x 1.5
PT3/8-M16		M16 x 1.5
PT3/8-M18		M18 x 1.5
PT3/8-M22		M22 x 1.5
PT3/8-M24	PT3/4	M24 x 1.5
PT3/8-M27		M27 x 1.5
PT1/2-M18		M18 x 1.5
PT1/2-M22		M22 x 1.5
PT1/2-M24	PT1/2	M24 x 1.5
PT1/2-M27		M27 x 1.5
PT1/2-M30		M30 x 2
PT1/2-M33		M33 x 2
PT1/2-M39	PT3/4	M39 x 2
PT3/4-M27		M27 x 1.5
PT3/4-M33		M33 x 2
PT3/4-M36		M36 x 2
PT3/4-M39		M39 x 2

90° 接頭HHS-PH()-()-L
coupler



稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
M10-M10	M10 x 1	M10 x 1
M10-M12		M12 x 1.5
M12-M12		M12 x 1.5
M14-M12		M12 x 1.5
M14-M14	M14 x 1.5	M14 x 1.5
M14-M16		M16 x 1.5
M14-M18		M18 x 1.5
M16-M14		M14 x 1.5
M16-M16	M16 x 1.5	M16 x 1.5
M16-M18		M18 x 1.5
M18-M14		M14 x 1.5
M18-M16		M16 x 1.5
M18-M18	M18 x 1.5	M18 x 1.5
M18-M22		M22 x 1.5
M18-M27		M27 x 1.5
M20-M22		M20 x 1.5
M22-M22	M22 x 1.5	M22 x 1.5
M22-M24		M24 x 1.5
M22-M27		M27 x 1.5
M22-M33		M33 x 2
M24-M24	M24 x 1.5	M24 x 1.5
M24-M30		M30 x 2
M27-M27		M27 x 1.5
M27-M30		M30 x 2
M27-M33		M33 x 2

活動油管接頭HHS-HA-()-()-S
movable oil coupling

稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
PT1/4-W1/4	PT1/4	7/16-20
PT3/8-W3/8	PT3/8	9/16-18
PT1/2-W1/2	PT1/2	3/4-16
PT3/4-W3/4	PT3/4	1-1/16-12
PT1-W1	PT1	1-5/16-12
PT1-1/4-W1-1/4	PT1-1/4	1-5/8-12

90° 內牙活動油管接頭HHS-PHA-()
90° inner thread of coupling

稱呼 name	油口螺紋 oil port thread	
PT1/2-W1/2	PT1/2	
PT1/2-W3/4	PT3/4	
PT3/4-W3/4		
PT3/4-W1		
PT1-W1	PT1	
PT1-1/4-W 1/4	PT1-1/4	

油管半接頭HHS-HS-()
oil pipe half joint

稱呼 name	油管螺紋 oil pipe thread
W1/4	7/16-20
W3/8	9/16-18
W1/2	3/4-16
W5/8	7/8-14
W3/4	1-1/16-12
W1	1-5/16-12

內牙活動油管接頭HHS-PHA-()-()-S
inner thread oil coupling

稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
PT1/4-W1/4	PT1/4	7/16-20
PT3/8-W3/8	PT3/8	9/16-18
PT1/2-W1/2	PT1/2	3/4-16
PT3/4-W3/4	PT3/4	1-1/16-12
PT1-W1	PT1	1-5/16-12
PT1-1/4-W1-1/4	PT1-1/4	1-5/8-12

)-L

油管接頭螺母HHS-HN-()
oil pipe joint nut

螺紋 oil thread	稱呼 name	油管螺紋 oil pipe thread
)-16	W1/4	7/16-20
)-16-12	W3/8	9/16-18
)-16-12	W1/2	3/4-16
)-16-12	W5/8	7/8-14
)-16-12	W3/4	1-1/16-12
)-16-12	W1	1-5/16-12

油管接頭塞頭HHS-THH-()
oil pipe joint chuck plug

稱呼 name	油管螺紋 oil pipe thread
W1/4	7/16-20
W3/8	9/16-18
W1/2	3/4-16
W5/8	7/8-14
W3/4	1-1/16-12
W1	1-5/16-12

90° 活動油管接頭HHS-HA()-()-L
90° movable oil coupling

稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
PT1/4-W1/4	PT1/4	7/16-20
PT3/8-W3/8	PT3/8	9/16-18
PT1/2-W1/2	PT1/2	3/4-16
PT3/4-W3/4	PT3/4	1-1/16-12
PT1-W1	PT1	1-5/16-12
PT1-1/4-W1-1/4	PT1-1/4	1-5/8-12

油管接頭內塞心HHS-HF-()
plug inside oil pipe

稱呼 name	油管螺紋 oil pipe thread
W1/4	7/16-20
W3/8	9/16-18
W1/2	3/4-16
W5/8	7/8-14
W3/4	1-1/16-12
W1	1-5/16-12

油管接頭螺母塞HHS-HE-()
oil pipe nut plug

稱呼 name	油管螺紋 oil pipe thread
W1/4	7/16-20
W3/8	9/16-18
W1/2	3/4-16
W5/8	7/8-14
W3/4	1-1/16-12
W1	1-5/16-12

90° 內牙活動油管接頭HHS-PHA()-()-L
90° inner thread of coupling

稱呼 name

**油口螺紋
oil port thread**

PT1/2-W1/2

PT1/2

PT1/2-W3/4

PT3/4

PT3/4-W3/4

PT3/4-W1

PT1-W1

PT1

PT1-1/4-W 1/4

PT1-1/4

油管半接頭HHS-HS-()
oil pipe half joint

稱呼 name

**油管螺紋
oil pipe thread**

W1/4

7/16-20

W3/8

9/16-18

W1/2

3/4-16

W5/8

7/8-14

W3/4

1-1/16-12

W1

1-5/16-12

油管接頭螺絲HHS-HN-()
oil pipe joint nut



稱呼 name	油管螺紋 oil pipe thread
W1/4	7/16-20
W3/8	9/16-18
W1/2	3/4-16
W5/8	7/8-14
W3/4	1-1/16-12
W1	1-5/16-12

油管接頭螺絲HHS-HF-()
oil pipe joint plug



稱呼 name	油管螺紋 oil pipe thread
W1/4	7/16-20
W3/8	9/16-18
W1/2	3/4-16
W5/8	7/8-14
W3/4	1-1/16-12
W1	1-5/16-12

油管半接頭HHS-HS-()
oil pipe half joint



稱呼 name	油管螺紋 oil pipe thread
W1/4	7/16-20
W3/8	9/16-18
W1/2	3/4-16
W5/8	7/8-14
W3/4	1-1/16-12
W1	1-5/16-12

油管接頭螺絲HHS-THH-()
oil pipe joint lock plug



稱呼 name	油管螺紋 oil pipe thread
W1/4	7/16-20
W3/8	9/16-18
W1/2	3/4-16
W5/8	7/8-14
W3/4	1-1/16-12
W1	1-5/16-12

油管接頭螺絲HHS-HE-()
oil pipe joint plug



稱呼 name	油管螺紋 oil pipe thread
W1/4	7/16-20
W3/8	9/16-18
W1/2	3/4-16
W5/8	7/8-14
W3/4	1-1/16-12
W1	1-5/16-12

卡套式油管接頭: 硬管用

claw type oil coupling: used for rigid tube

公制螺紋 metric thread

螺紋與 配管外徑 Thread and pipe outer diameter	螺紋 Thread	配管外徑 Pipe outer diameter	螺紋 Thread	配管外徑 Pipe outer diameter	螺紋 Thread	配管外徑 Pipe outer diameter	螺紋 Thread	配管外徑 Pipe outer diameter	螺紋 Thread	配管外徑 Pipe outer diameter	螺紋 Thread	配管外徑 Pipe outer diameter
M12x1.5	6	M14x1.5	8	M16x1.5	10	M18x1.5	12	M20x1.5	15	M22x1.5	18	
M30x1.5	22	M34x1.5	25	M38x1.5	28	M40x1.5	30	M42x2.0	32	M46x2.0	36	

訂購表示法

how to order

K	KS	KCT	RC	1/4	6
卡套式接頭 Claw type oil coupling	卡套式接頭 Claw type oil coupling	接頭型式 Type of the coupler	油口螺紋 規格 Oil port thread specification	鋼管外徑 Outer diameter of the steel pipe	鋼管外徑 Outer diameter of the steel pipe
		KCT KLL KTKA KTKB KUA KLA KTA KTB	RC(PT) 圓錐螺紋 Super screw thread G 圓柱螺紋 Under screw thread M 公制螺紋 Metric thread NPT 美制螺紋 UN thread 注: 配油缸入口螺紋 Note with hydraulic oil cylinder port thread		6, 8, 10 12, 15, 18 22, 25, 28 30

KCT: 油口x配管(直通) Oil port x pipe (straight connection)	KLL: 油口x油口(90°) Oil port x oil port (90°)	KTKA: 油口x雙配管(T型) Oil port x double pipe (T type)	KTKB: 油口x雙配管(T型) Oil port x double pipe (T type)
KUA: 油口x配管(直通) Oil port x pipe (straight connection)	KLA: 油口x油口(90°) Oil port x oil port (90°)	KTA: 三通配管(T型) Three way piping (T type)	KTB: 四通配管 Four way piping

直通接頭KKS-KCT-()-()

straight coupling

稱呼 name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe
PT1/8-6	PT1/8	6
PT1/8-8		8
PT1/8-10		10
PT1/4-6	PT1/4	6
PT1/4-8		8
PT1/4-10		10
PT1/4-12	PT3/8	12
PT3/8-6		6
PT3/8-8		8
PT3/8-10	PT3/8	10
PT3/8-12		12
PT3/8-15		15
PT3/8-18	PT1/2	18
PT1/2-10		10
PT1/2-12		12
PT1/2-15	PT1/2	15
PT1/2-18		18
PT1/2-20		20
PT1/2-22	PT3/4	22
PT3/4-15		15
PT3/4-18		18
PT3/4-20	PT3/4	20
PT3/4-22		22
PT3/4-25		25
PT1-20	PT1	20
PT1-22		22
PT1-25		25
8		

直通接頭KKS-KCT-()-()

straight coupling

稱呼 name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe
NPT1/8-6	NPT1/8	6
NPT1/8-8		8
NPT1/8-10		10
NPT1/4-6	NPT1/4	6
NPT1/4-8		8
NPT1/4-10		10
NPT1/4-12	NPT3/8	12
NPT3/8-6		6
NPT3/8-8		8
NPT3/8-10	NPT3/8	10
NPT3/8-12		12
NPT3/8-15		15
NPT3/8-18	NPT1/2	18
NPT1/2-10		10
NPT1/2-12		12
NPT1/2-15	NPT1/2	15
NPT1/2-18		18
NPT1/2-20		20
NPT1/2-22	NPT3/4	22
NPT3/4-15		15
NPT3/4-18		18
NPT3/4-20	NPT3/4	20
NPT3/4-22		22
NPT3/4-25		25
NPT1-20	NPT1	20
NPT1-22		22
NPT1-25		25
8		

直通接頭KKS-KCT-()-()

straight coupling

稱呼 name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe
G1/8-6	G1/8	6
G1/8-8		8
G1/8-10		10
G1/4-6	G1/4	6
G1/4-8		8
G1/4-10		10
G1/4-12	G3/8	12
G3/8-6		6
G3/8-8		8
G3/8-10	G3/8	10
G3/8-12		12
G3/8-15		15
G3/8-18	G1/2	18
G1/2-10		10
G1/2-12		12
G1/2-15	G1/2	15
G1/2-18		18
G1/2-20		20
G1/2-22	G3/4	22
G3/4-15		15
G3/4-18		18
G3/4-20	G3/4	20
G3/4-22		22
G3/4-25		25
G1-20	G1	20
G1-22		22
G1-25		25
8		

直通接頭KKS-KCT-()-()

straight coupling

稱呼 name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe	稱呼 name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe
M10-6	M10x1.5	6	M24-20	M24x1.5	20
M10-8		8	M27-18	M27x1.5	18
M10-10		10	M27-20		20
M12-6	M12x1.5	6	M27-22		22
M12-8		8	M27-25	25	
M14-6		M14x1.5	6	M27*2-20	20
M14-8	8		M27*2-22	22	
M14-10	10		M27*2-25	25	
M14-12	M16x1.5	12	M27*2-28	28	
M16-8		8	M33-22	22	
M16-10		10	M33-25	25	
M16-12	M18x1.5	12	M33-28	28	
M18-10		10	M36-28	28	
M18-12		12	M36-32	32	
M18-14	M42x2	14	M36-34	34	
M18-16		16	M42-32	32	
M20-14		14	M42-34	34	
M22-14	M22x1.5	14	M48-40	M48x2	40
M22-16		16	M50-42	M50x2	42
M22-18		18			
M24-16	M24x1.5	16			
M24-18		18			

90° 接頭 coupling KKS-KLL-()-()



稱呼 name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe
PT1/8-6	PT1/8	6
PT1/8-8		8
PT1/8-10		10
PT1/4-6	PT1/4	6
PT1/4-8		8
PT1/4-10		10
PT1/4-12	PT3/8	12
PT3/8-6		6
PT3/8-8		8
PT3/8-10	PT3/8	10
PT3/8-12		12
PT3/8-15		15
PT3/8-18	PT1/2	18
PT1/2-10		10
PT1/2-12		12
PT1/2-15	PT1/2	15
PT1/2-18		18
PT1/2-20		20
PT1/2-22	PT3/4	22
PT3/4-15		15
PT3/4-18		18
PT3/4-20	PT3/4	20
PT3/4-22		22
PT3/4-25		25
PT1-20	PT1	20
PT1-22		22
PT1-25		25
PT1-28		28

90° 接頭 coupling KKS-KLL-()-()



稱呼 name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe
NPT1/8-6	NPT1/8	6
NPT1/8-8		8
NPT1/8-10		10
NPT1/4-6	NPT1/4	6
NPT1/4-8		8
NPT1/4-10		10
NPT1/4-12	NPT3/8	12
NPT3/8-6		6
NPT3/8-8		8
NPT3/8-10	NPT3/8	10
NPT3/8-12		12
NPT3/8-15		15
NPT3/8-18	NPT1/2	18
NPT1/2-10		10
NPT1/2-12		12
NPT1/2-15	NPT1/2	15
NPT1/2-18		18
NPT1/2-20		20
NPT1/2-22	NPT3/4	22
NPT3/4-15		15
NPT3/4-18		18
NPT3/4-20	NPT3/4	20
NPT3/4-22		22
NPT3/4-25		25
NPT1-20	NPT1	20
NPT1-22		22
NPT1-25		25
NPT1-28		28

90° 接頭 coupling KKS-KLL-()-()



稱呼 name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe
G1/8-6	G1/8	6
G1/8-8		8
G1/8-10		10
G1/4-6	G1/4	6
G1/4-8		8
G1/4-10		10
G1/4-12	G3/8	12
G3/8-6		6
G3/8-8		8
G3/8-10	G3/8	10
G3/8-12		12
G3/8-15		15
G3/8-18	G1/2	18
G1/2-10		10
G1/2-12		12
G1/2-15	G1/2	15
G1/2-18		18
G1/2-20		20
G1/2-22	G3/4	22
G3/4-15		15
G3/4-18		18
G3/4-20	G3/4	20
G3/4-22		22
G3/4-25		25
G1-20	G1	20
G1-22		22
G1-25		25
G1-28		28

90° 接頭couplerKKS-KLL- () - ()



稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe	稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe
M10-6		6	M24-20	M24x1.5	20
M10-8	M10x1.5	8	M27-18		18
M10-10		10	M27-20		20
M12-6		6	M27-22	M27x1.5	22
M12-8	M12x1.5	8	M27-25		25
M14-6		6	M27*2-20		20
M14-8		8	M27*2-22	M27x2	22
M14-10	M14x1.5	10	M27*2-25		25
M14-12		12	M27*2-28		28
M16-8		8	M33-22		22
M16-10		10	M33-25	M33x2	25
M16-12	M16x1.5	12	M33-28		28
M18-10		10	M36-28		28
M18-12		12	M36-32	M36x2	32
M18-14	M18x1.5	14	M36-34		34
M18-16		16	M42-32	M42x2	32
M20-14	M20x1.5	14	M42-34		34
M22-14		14	M48-40	M48x2	40
M22-16	M22x1.5	16	M50-42	M50x2	42
M22-18		18			
M24-16		16			
M24-18	M24x1.5	18			

90° 雙管接頭double tube couplingKKS-KLA- () - ()



稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe	稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe
6-6		6			
8-8		8			
10-10		10			
12-12		12			
14-14		14			
15-15		15			
16-16		16			
18-18		18			
20-20		20			
22-22		22			
25-25		25			
28-28		28			
30-30		30			
32-32		32			
34-34		34			
40-40		40			
42-42		42			

T型接頭T type coupling KKS-KTKA- () - ()



稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe	稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe
PT1/8-6	PT1/8	6			
PT1/4-6		6			
PT1/4-8	PT1/4	8			
PT1/4-10		10			
PT1/4-12		12			
PT3/8-10		10			
PT3/8-12	PT3/8	12			
PT3/8-15		15			
PT1/2-15	PT1/2	15			
PT1/2-18		18			
PT3/4-18		18			
PT3/4-20	PT3/4	20			
PT3/4-22		22			
PT1-20		20			
PT1-22	PT1	22			
PT1-25		25			

T型接頭 T type coupling KKS-KTKA- () - ()



稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe	稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe
NPT1/8-6	NPT1/8	6			
NPT1/4-6		6			
NPT1/4-8	NPT1/4	8			
NPT1/4-10		10			
NPT1/4-12		12			
NPT3/8-10		10			
NPT3/8-12	NPT3/8	12			
NPT3/8-15		15			
NPT1/2-15	PT1/2	15			
NPT1/2-18		18			
NPT3/4-18		18			
NPT3/4-20	NPT3/4	20			
NPT3/4-22		22			
NPT1-20		20			
NPT1-22	NPT1	22			
NPT1-25		25			

T型接頭T type couplingKKS-KTKA- () - ()



稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe	稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe
G1/8-6	G1/8	6			
G1/4-6		6			
G1/4-8	G1/4	8			
G1/4-10		10			
G1/4-12		12			
G3/8-10		10			
G3/8-12	G3/8	12			
G3/8-15		15			
G1/2-15	G1/2	15			
G1/2-18		18			
G3/4-18		18			
G3/4-20	G3/4	20			
G3/4-22		22			
G1-20		20			
G1-22	G1	22			
G1-25		25			

T型接頭 T type coupling KKS-KTKA- () - ()



稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe	稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe
M10-6		6	M24-20	M24x1.5	20
M10-8	M10x1.5	8	M27-18		18
M10-10		10	M27-20		20
M12-6		6	M27-22	M27x1.5	22
M12-8	M12x1.5	8	M27-25		25
M14-6		6	M27*2-20		20
M14-8		8	M27*2-22	M27x2	22
M14-10	M14x1.5	10	M27*2-25		25
M14-12		12	M27*2-28		28
M16-8		8	M33-22		22
M16-10		10	M33-25	M33x2	25
M16-12	M16x1.5	12	M33-28		28
M18-10		10	M36-28		28
M18-12		12	M36-32	M36x2	32
M18-14	M18x1.5	14	M36-34		34
M18-16		16	M42-32	M42x2	32
M20-14	M20x1.5	14	M42-34		34
M22-14		14	M48-40	M48x2	40
M22-16	M22x1.5	16	M50-42	M50x2	42
M22-18		18			
M24-16		16			
M24-18	M24x1.5	18			

三通管接頭three way coupler KKS-KTA- ()



稱呼name	鋼管外徑 outer diameter of the steel pipe	稱呼name	鋼管外徑 outer diameter of the steel pipe
6	6	6	6
8	8	8	8
10	10	10	10
12	12	12	12
14	14	14	14
15	15	15	15
16	16	16	16
18	18	18	18
20	20	20	20
22	22	22	22
25	25	25	25
28	28	28	28
30	30	30	30
32	32	32	32
34	34	34	34
40	40	40	40
42	42	42	42

T型接頭T type part KKS-KTKB- () - ()



稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe	稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe
PT1/8-6	PT1/8	6			
PT1/4-6		6			
PT1/4-8	PT1/4	8			
PT1/4-10		10			
PT1/4-12		12			
PT3/8-10		10			
PT3/8-12	PT3/8	12			
PT3/8-15		15			
PT1/2-15	PT1/2	15			
PT1/2-18		18			
PT3/4-18		18			
PT3/4-20	PT3/4	20			
PT3/4-22		22			
PT1-20		20			
PT1-22	PT1	22			
PT1-25		25			

T型接頭T type part KKS-KTKB- () - ()



稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe	稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe
NPT1/8-6	NPT1/8	6			
NPT1/4-6		6			
NPT1/4-8	NPT1/4	8			
NPT1/4-10		10			
NPT1/4-12		12			
NPT3/8-10		10			
NPT3/8-12	NPT3/8	12			
NPT3/8-15		15			
NPT1/2-15	PT1/2	15			
NPT1/2-18		18			
NPT3/4-18		18			
NPT3/4-20	NPT3/4	20			
NPT3/4-22		22			
NPT1-20		20			
NPT1-22	NPT1	22			
NPT1-25		25			

T型接頭T type part KKS-KTKB- () - ()



稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe	稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe
G1/8-6	G1/8	6			
G1/4-6		6			
G1/4-8	G1/4	8			
G1/4-10		10			
G1/4-12		12			
G3/8-10		10			
G3/8-12	G3/8	12			
G3/8-15		15			
G1/2-15	G1/2	15			
G1/2-18		18			
G3/4-18		18			
G3/4-20	G3/4	20			
G3/4-22		22			
G1-20		20			
G1-22	G1	22			
G1-25		25			

T型接頭KKS-KTKB- () - ()
T type coupling



稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe	稱呼name	油口螺紋 oil port thread	鋼管外徑 outer diameter of the steel pipe
M10-6		6	M24-20	M24x1.5	20
M10-8	M10x1.5	8	M27-18		18
M10-10		10	M27-20	M27x1.5	20
M12-6		6	M27-22		22
M12-8	M12x1.5	8	M27-25		25
M14-6		6	M27*2-20		20
M14-8		8	M27*2-22	M27x2	22
M14-10	M14x1.5	10	M27*2-25		25
M14-12		12	M27*2-28		28
M16-8		8	M33-22		22
M16-10	M16x1.5	10	M33-25	M33x2	25
M16-12		12	M33-28		28
M18-10		10	M36-28		28
M18-12		12	M36-32	M36x2	32
M18-14	M18x1.5	14	M36-34		34
M18-16		16	M42-32	M42x2	32
M20-14	M20x1.5	14	M42-34		34
M22-14		14	M48-40	M48x2	40
M22-16	M22x1.5	16	M50-42	M50x2	42
M22-18		18			
M24-16		16			
M24-18	M24x1.5	18			

四通管接頭KKS-KTB- () - ()
four way coupling



稱呼name	管外徑 outer pipe diameter	管外徑 outer pipe diameter	管外徑 outer pipe diameter	管外徑 outer pipe diameter
6	6	6	6	6
8	8	8	8	8
10	10	10	10	10
12	12	12	12	12
14	14	14	14	14
15	15	15	15	15
16	16	16	16	16
18	18	18	18	18
20	20	20	20	20
22	22	22	22	22
25	25	25	25	25
28	28	28	28	28

雙內油口接頭HPT-PPE- ()
dual inner oil ports coupling



稱呼name	油口螺紋 oil port thread
PT1/8	PT1/8
PT1/4	PT1/4
PT3/8	PT3/8
PT1/2	PT1/2
PT3/4	PT3/4
PT1	PT1
PT1-1/4	PT1-1/4
PT1-1/2	PT1-1/2

L型雙內油口接頭HPT-PEL- ()
L type dual inner oil ports coupling



稱呼name	油口螺紋 oil port thread
PT1/4	PT1/4
PT3/8	PT3/8
PT1/2	PT1/2
PT3/4	PT3/4
PT1	PT1

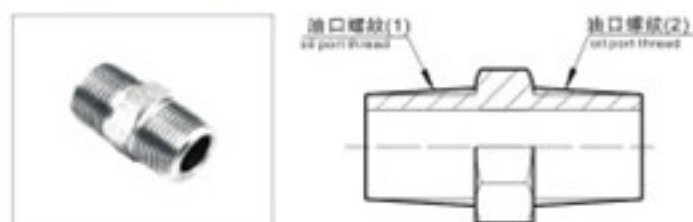
L型焊接接頭HPT-PSL- ()
L type welded coupling



稱呼name	管外徑 welded pipe
1/4	1/4
3/8	3/8
1/2	1/2
3/4	3/4
1	1

三通內油口接頭HPT-PET- ()
three way inner oil port coupling

過渡接頭 transit coupling



訂購表示法 how to order

H	PT	PN	PT 1/4	W 1/2
油壓接頭	過渡接頭	接頭型式	油口螺紋(1)	油口螺紋(2)
		規格	規格	規格
		PN PEL	PT(RC) 圓錐螺紋	W 圓錐螺紋
		PT PSL	G 圓柱螺紋	PT 圓錐螺紋
		PP PET	M 公制螺紋	注: 依顧客戶意選用
		PUE PES	NPT 美制螺紋	
		PPE PTH	注: 配油缸入口螺紋	
			with hydraulic oil inlet	
			port thread	

PT 外油口x內油口(直通)	PP 外油口x外油口(45°)	PUE 外油口x內油口	ppe 內油口x內油口	PN 外油口x螺紋
external oil port x internal oil port (straight connection)	external oil port x external oil port (45°)	external oil port x internal oil port	inner oil port x inner oil port	external oil port x plug-in pipe
EL: 內油口x內油口(90°)	PSL 內油口x內油口(90°)	PET 內油口x內油口(三通)	PES 內油口x螺紋	PTH 油口螺紋
inner oil port x inner oil port (90°)	inner welded oil port x inner welded oil port	inner oil port x inner oil port (three-way)	inner oil port x welded port	oil port plug



稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
PT1/8-W1/4	PT1/8	1/4
PT1/8-W5/16	PT1/8	5/16
PT1/8-W3/8	PT1/8	3/8
PT1/4-W1/4	PT1/4	1/4
PT1/4-W5/16	PT1/4	5/16
PT1/4-W3/8	PT1/4	3/8
PT1/4-W1/2	PT1/4	1/2
PT3/8-W1/4	PT3/8	1/4
PT3/8-W5/16	PT3/8	5/16
PT3/8-W3/8	PT3/8	3/8
PT3/8-W1/2	PT3/8	1/2
PT1/2-W1/4	PT1/2	1/4
PT1/2-W5/16	PT1/2	5/16
PT1/2-W3/8	PT1/2	3/8
PT1/2-W1/2	PT1/2	1/2
PT1/2-W5/8	PT1/2	5/8
PT1/2-W3/4	PT1/2	3/4
PT3/4-W3/8	PT3/4	3/8
PT3/4-W1/2	PT3/4	1/2
PT3/4-W5/8	PT3/4	5/8
PT3/4-W3/4	PT3/4	3/4
PT3/4-W1	PT3/4	1
PT3/4-W1-1/4	PT3/4	1-1/4



稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
PT1/8-PT1/8	PT1/8	PT1/8
PT1/4-PT1/8	PT1/4	PT1/8
PT1/4-PT1/4	PT1/4	PT1/4
PT3/8-PT1/4	PT3/8	PT1/4
PT3/8-PT3/8	PT3/8	PT3/8
PT1/2-PT1/4	PT1/2	PT1/4
PT1/2-PT3/8	PT1/2	PT3/8
PT1/2-PT1/2	PT1/2	PT1/2
PT3/4-PT3/8	PT3/4	PT3/8
PT3/4-PT1/2	PT3/4	PT1/2
PT3/4-PT3/4	PT3/4	PT3/4
PT3/4-PT1/2	PT3/4	PT1/2
PT3/4-PT3/4	PT3/4	PT3/4
PT3/4-PT1	PT3/4	PT1



稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
PT1/4-PT1/8	PT1/4	PT1/8
PT3/8-PT1/8	PT3/8	PT1/8
PT3/8-PT1/4	PT3/8	PT1/4
PT1/2-PT1/8	PT1/2	PT1/8
PT1/2-PT1/4	PT1/2	PT1/4
PT1/2-PT3/8	PT1/2	PT3/8
PT3/4-PT1/4	PT3/4	PT1/4
PT3/4-PT3/8	PT3/4	PT3/8
PT3/4-PT1/2	PT3/4	PT1/2
PT1-PT1/4	PT1	PT1/4
PT1-PT3/8	PT1	PT3/8
PT1-PT1/2	PT1	PT1/2
PT1-PT3/4	PT1	PT3/4



稱呼 name	油口螺紋 oil port thread	油管螺紋 oil pipe thread
PT1/4-PT1/4	PT1/4	PT1/4
PT3/8-PT3/8	PT3/8	PT3/8
PT1/2-PT1/2	PT1/2	PT1/2
PT3/4-PT3/4	PT3/4	PT3/4
PT1-PT1	PT1	PT1

液壓油管 hydraulic oil hose

液壓軟管 hydraulic hose



◎ 型號說明 MODEL DESCRIPTION

M	381	1/2	1M	S2
U:美制 M:公制 D:英制 UN type UK type metric type	系列編號 A81:1W-層鋼絲 381:2W兩層鋼絲 681:4W四層鋼絲	規格 size	長度:米 length:M	油管夾頭 S2:雙直夾頭 SL:一直一彎 hose chuck dual straight chucks one straight one bend
	series number one layer of steel wire two layers of steel wire four layers of steel wire			

溫度範圍: -40℃~+100℃(用于空氣: ≤70℃,用于水: ≤85℃)
用途:輸送石油基液壓油,燃油,潤滑油,水乙二醇,空氣或水,
適用於流體傳動設備。
注:1、四層鋼絲限3/4管以上。
2、U:美制、M:公制、D:英制、
Temperature range: -40℃ to +100℃ (air: ≤70℃, water: ≤85℃)
Use: Used for fluid drive equipment for delivering hydraulic oil, fuel oil,
lubricating oil, water-glycol, air and water.
Note: 1、four layers of steel wire is just applicable for hose above 3/4.
2、UN type, UK type, metric type.

381 HOSE

SAE 100R2 Type AT
DIN 20 022-2SN

兩層鋼絲液壓軟管
two layers of steel wire hydraulic hose

SAE 100R2AT-1/2"-W.P.3500 PSI

# Part Number	Hose I.D	Hose O.D	Working Pressure	Burst Pressure	Minimum Bend Radius	Weight	Crimp Fitting	Reusable Fitting
	inch mm	inch mm	psi Mpa	psi Mpa	inch mm	lbs/ft Kg/m	Series Page	Series Page
381-04	1/4 6.3	0.59 15	5800 40	23200 160	4 100	0.26 0.39	43 B-17	30 B-179
381-05	5/16 8	0.66 17	5075 35	20300 140	4.1/2 115	0.28 0.42	43 B-17	30 B-179
381-06	3/8 10	0.75 19	5000 34.5	20000 138	5 130	0.37 0.55	43 B-17	30 B-179
381-08	1/2 12.5	0.88 22	4250 29.3	17000 117	7 180	0.45 0.67	43 B-17	30 B-179
381-10	5/8 16	1.00 25	3600 25	14500 100	8 200	0.52 0.77	43 B-17	30 B-179
381-12	3/4 19	1.16 30	3100 21.5	12400 86	9.1/2 240	0.67 1.00	43 B-17	30 B-179
381-16	1 25	1.50 38	2500 17.2	10000 69	12 300	1.00 1.49	43 B-17	30 B-179
381-20	1.1/4 31.5	1.89 48	2250 15.5	9000 62	16.1/2 420	1.16 1.73	43 B-17	30 B-179
381-24	1.1/2 38	2.16 55	1750 12	7000 48	20 500	1.44 2.14	43 B-17	30 B-179
381-32	2 51	2.66 68	1250 8.6	5000 35	25 630	1.99 2.96	43 B-17	30 B-179

481 HOSE

SAE 100R2 Type AT
DIN 20 022-2SN

一層鋼絲液壓軟管
one layer of steel wire hydraulic hose

SAE 100R1AT-1/2"-W.P.2000 PSI

# Part Number	Hose I.D	Hose O.D	Working Pressure	Burst Pressure	Minimum Bend Radius	Weight	Crimp Fitting	Reusable Fitting
	inch mm	inch mm	psi Mpa	psi Mpa	inch mm	lbs/ft Kg/m	Series Page	Series Page
481-04	1/4 6.3	0.53 13	3250 22.5	13000 90	2 50	0.16 0.24	43 B-17	42 B-216
481-05	5/16 8	0.59 15	3250 22.5	13000 90	2.1/4 55	0.18 0.27	43 B-17	42 B-216
481-06	3/8 10	0.68 17	3000 20.7	12000 83	2.1/2 65	0.23 0.34	43 B-17	42 B-216
481-08	1/2 12.5	0.81 20	2500 17.2	10000 69	3.1/2 90	0.29 0.43	43 B-17	42 B-216
481-10	5/8 16	0.94 24	2000 13.8	8000 55	4 100	0.33 0.49	43 B-17	42 B-216
481-12	3/4 19	1.09 28	1750 12.0	7000 48	4.3/4 120	0.42 0.63	43 B-17	42 B-216
481-16	1 25	1.40 36	1275 8.8	5100 35	6 150	0.63 0.94	43 B-17	42 B-216

硬管OST2

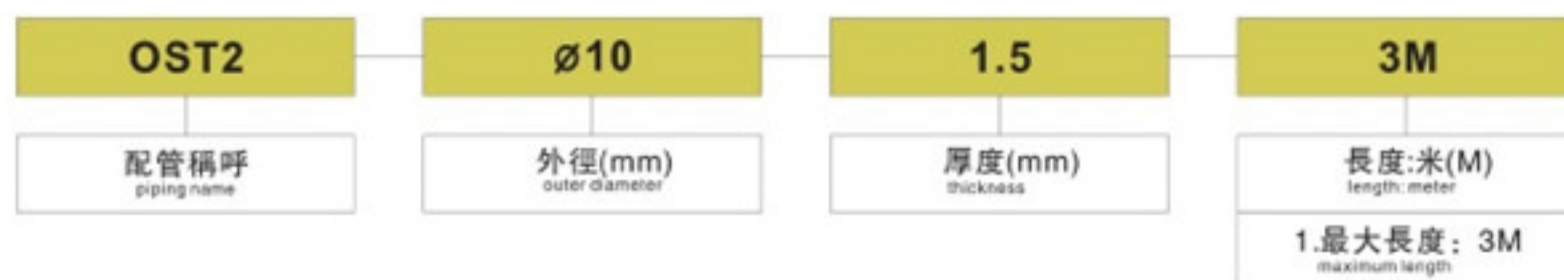
rigid tube

(材料：無縫碳鋼鋼管)

material: carbon steel seamless pipe

外徑 outer diameter (mm)	管厚 tube wall thickness (mm)	耐壓力 pressure resistance (kgf/cm ²)	外徑 outer diameter (mm)	管厚 tube wall thickness (mm)	耐壓力 pressure resistance (kgf/cm ²)	外徑 outer diameter (mm)	管厚 tube wall thickness (mm)	耐壓力 pressure resistance (kgf/cm ²)
8	1.0	268	12	1.5	268	20	2.0	201
8	1.5	483	15	1.5	201	22	2.5	235
10	1.0	201	15	2.0	292	25	2.5	201
10	1.5	345	18	1.0	110	28	3.0	218
10	2.0	410	18	2.0	230	30	2.5	170

訂購表示法 how to order



安全注意 safety caution

安裝硬管時，應注意下列幾點：

- 管子長度要短，管徑要合適，流速過高會損失能量。
- 兩固定點之間的連接，應避免緊拉，需有一個鬆弛部分，如圖1所示，以便於裝卸，也不會因熱脹冷縮而造成嚴重的拉硬力。
- 管子的彎管半徑應盡可能大，其最小彎管半徑約為硬管外徑的2.5倍。管端應留出直管部分，其距離為管接頭螺母高度的二倍以上。如圖2所示。
- 硬管的主要失效形式為機械振動引起的疲勞失效，因此當管路較長時，需加管夾支撐，不僅可以緩行振動，還可以減少噪音。在有彎管的管路中，在彎管的二端直管段處要加支撐夾管定，在與軟管連接時，應在硬管端加管夾支撐。管夾間距如圖3及表1。

tips about rigid pipeline installation

- Short pipe and appropriate pipe diameter are needed. And high flow speed leads to energy loss.
- The connection of two points should not be much too tight. There should be a bending part like drawing 1, to make it assemble and unassembled easily and at the same time high pulling pressure will not occur because of expansion and contraction.
- The radius of the bending part should be as large as possible—at least 2.5 times of the bore of the rigid tube. The end should have a straight part; the length should be twice of the height of the coupler nut. Like drawing 2.
- Usually the rigid pipe lost effectiveness because of mechanical vibration. If the pipe is long, it needs pipe clamp to be a buffer for the vibration and reduce the noise at the same time. The two end straight parts of the bending pipe need pipe clamp. If connected to the flexible pipe, the rigid pipe part needs clamp, about the space between two clamps, please see drawing 3 and chart 1.

管子外徑 pipe outer diameter (mm)	管夾間距(mm) space between two clamp		
	A	B	C
6-12	50	900	900
15-22	100	1200	200
25	100	1500	200
32-38	150	2100	300
48	150	2700	300

表1 chart 1

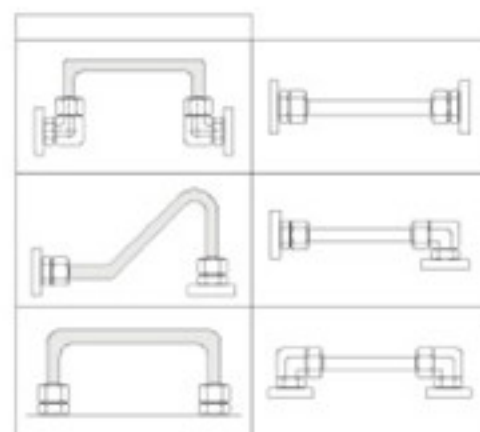


圖1 drawing 1

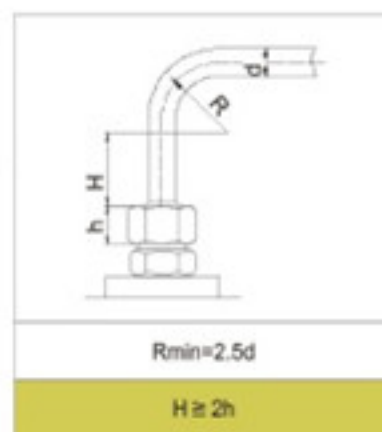


圖2 drawing 2

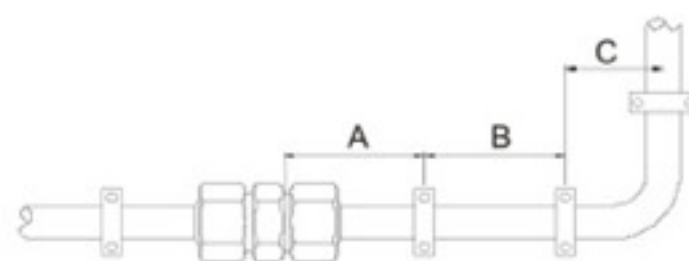


圖3 drawing 3