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AC Design 04-27071159



A Specialized Manufacturer
Of Various

**HYDRAULIC
CONTROL VALVES**

公司簡介

創立於1975年的油力油壓工業，深耕油壓控制閥設計與製造逾40年。以完整的研發與製造規模為基礎，從產品設計、材料選擇、精密加工到性能驗證，皆建構於嚴格的流程管理之上。

透過自主的流道優化設計、壓力校準技術與多項動態測試平台，油力建立「研發、製造、檢測」的一體化整合系統，使在流體控制精度、反應靈敏度與耐用壽命上均達到國際水準。

主要產品涵蓋流量控制閥、壓力控制閥、方向控制閥、整體式多路閥、片式多路閥、負載敏感型比例閥 等系列，廣泛應用於 工程機械、農業機械、工業自動化設備。憑藉卓越性能、穩定品質與具競爭力的價格，油力深受國內外市場信賴。

未來油力將持續提升產品性能、加工能力與檢測技術，以更高效率、更高穩定性的油壓控制解決方案，成為全球油壓產業可靠的合作夥伴。

Company Profile

YOULI Hydraulic Industrial Co., Ltd. founded in 1975, has specialized in the design and manufacture of hydraulic control valves for over 40 years.

Built upon a comprehensive in-house R&D and manufacturing infrastructure, YOULI maintains rigorous process management across product design, material selection, precision machining, and performance validation.

Through proprietary flow-path optimization design, pressure calibration technologies, and multiple dynamic testing platforms, YOULI has established an integrated "R&D, Manufacturing, Testing" system. This enables its products to achieve international standards in flow control accuracy, response sensitivity, and long-term durability.

YOULI's product portfolio includes flow control valves, pressure control valves, directional control valves, monoblock multi-directional valves, sectional multi-directional valves, and load-sensing proportional valves, widely applied in construction machinery, agricultural machinery, and industrial automation equipment.

Renowned for outstanding performance, consistent quality, and competitive pricing, YOULI has earned the trust of customers in both domestic and international markets.

In the future, YOULI will continue to enhance product performance, machining capabilities, and testing technologies, delivering higher-efficiency and higher-stability hydraulic control solutions, and positioning itself as a reliable global partner in the hydraulic industry.

經營理念



專業

持續深化油壓技術本質，強化流體力學、材料工程與系統整合能力，提供高度可靠的油壓控制元件。



創新

以市場需求與工程前瞻性為導向，投入新產品開發、機構優化與控制技術升級，打造具競爭力的油壓產品。



突破

透過製程自動化、精密加工設備導入與品質系統強化，不斷提升產品性能與製造效率，達成技術層級的持續突破。



服務

以客戶應用為核心，提供整合性油壓解決方案、快速技術支援與穩定交期，建立長期且高信任度的合作關係。

Business Philosophy

• Professionalism

Continuously deepening expertise in core hydraulic technologies, YOULI strengthens its capabilities in fluid dynamics, materials engineering, and system integration to deliver highly reliable hydraulic control components.

• Innovation

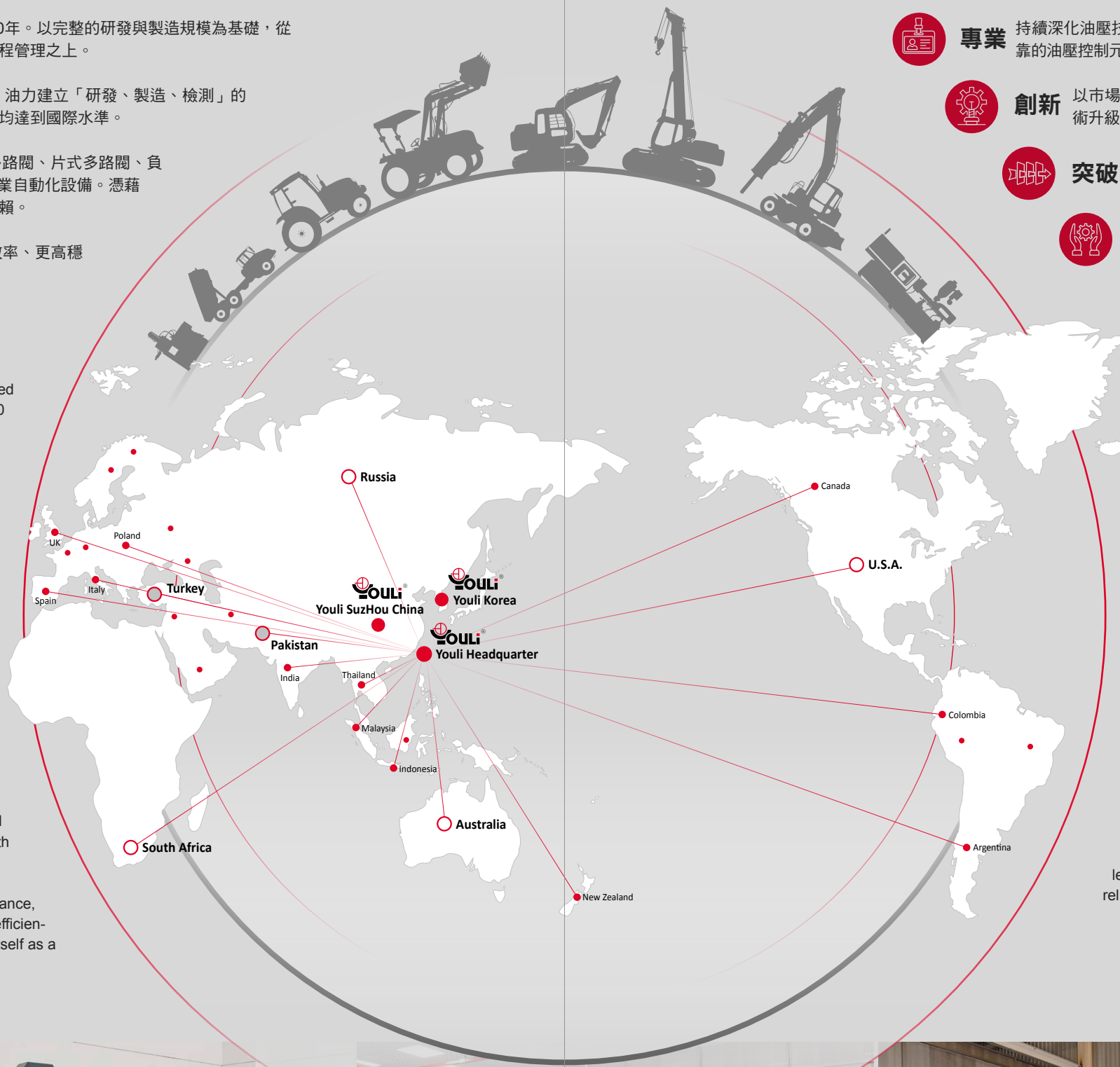
Driven by market demands and forward-looking engineering insights, YOULI invests in new product development, mechanical optimization, and control technology upgrades, creating competitive next-generation hydraulic solutions.

• Advancement

Through manufacturing automation, the adoption of precision machining equipment, and the reinforcement of quality systems, YOULI consistently enhances product performance and production efficiency, achieving ongoing technological advancement.

• Service

With a customer-application-centric approach, YOULI provides integrated hydraulic solutions, rapid technical support, and stable lead times, building long-term partnerships founded on trust and reliability.



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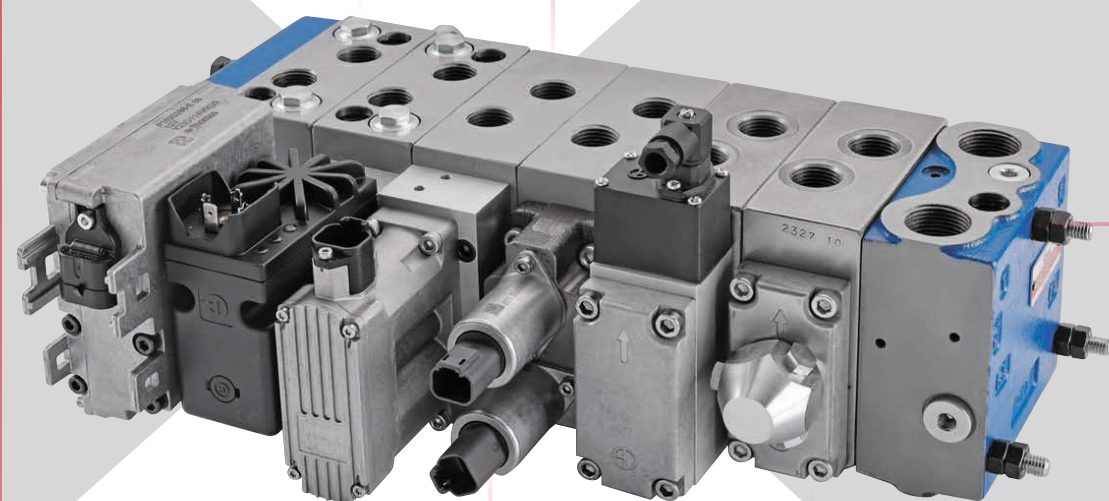
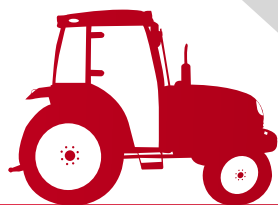
07 片式控制閥 Sectional Directional Control Valves



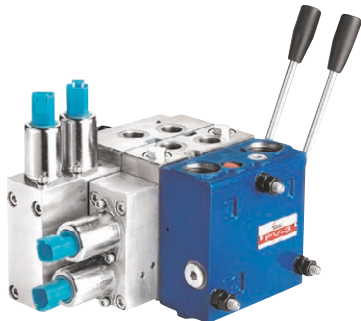
09 塊式控制閥 Monoblock Directional Control Valves



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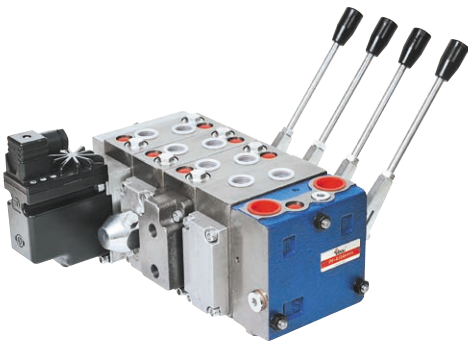
PV-3



可使用聯數 Available sections from 1 to 12	1~12	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	350 bar	5075 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	40 bar	580 psi
P 口流量 Oil flow rate on port P	140 L/min	37 US gpm
A/B 口流量 Oil flow rate on port A/B	65 L/min	17.2 US gpm
閥心流量 Flow rate of the spools	5, 10, 25, 40, 65 L/min	

閥前壓力補償閥 Pre-compensated

PV-4



可使用聯數 Available sections from 1 to 12	1~12	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	350 bar	5075 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	40 bar	580 psi
P 口流量 Oil flow rate on port P	140 L/min	37 US gpm
A/B 口流量 Oil flow rate on port A/B	100 L/min	26.4 US gpm
閥心流量 Flow rate of the spools	5, 10, 25, 40, 65, 100, 130 L/min	

閥前壓力補償閥 Pre-compensated

PV-5



可使用聯數 Available sections from 1 to 8	1~8	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	350 bar	5075 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	40 bar	580 psi
P 口流量 Oil flow rate on port P	250 L/min	66 US gpm
A/B 口流量 Oil flow rate on port A/B	180 L/min	47.6 US gpm
閥心流量 Flow rate of the spools	40, 65, 100, 130, 150, 180 L/min	

閥後壓力補償閥 POST-compensated

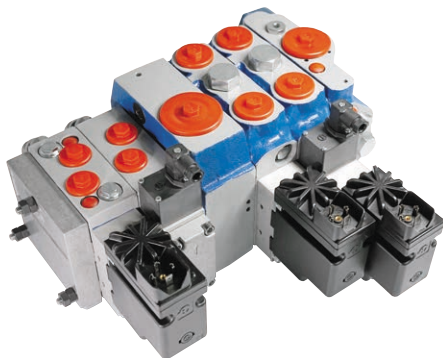
PVD3



額定流量 Nominal flow rate	80 L/min	
可使用聯數 Available sections from 1 to 12	1~12	
最大壓力P口 Max. pressure on port P	300 bar	
背壓(最大)出油口 T Back pressure(Maxi- mum) on outlet port T	機械操作 Mechanical operated	10 bar
	液壓/氣控/電磁直驅 Hydraulic/Pneumatic/Electrical	30 bar
	電液控制 Electro-Hydraulic control	25 bar
閥心流量 Flow rate of the spools	5, 10, 20, 30, 40, 50 L/min	

閥後壓力補償閥 Post-compensated

PV5 / PVB4 (Convergent 合流)



額定流量 Nominal flow rate	250 L/min	
可使用聯數 Available sections	PV5:1~8, PVB4:1~10	
最大壓力P口 Max. pressure on port P	350 bar	
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	40 bar	T0口:10 Bar
閥心流量 Flow rate of the spools	PV5: 40, 65, 100, 130, 150, 180 L/min PVB4: 5, 10, 25, 40, 65, 100 L/min	

PV5閥後壓力補償閥 / PVB4閥前壓力補償閥

流量飽合時也能完成複合動作，可結合PVB4帶T0孔溢流閥與先導由獨立回油不受背壓影響。

PV5 is a Post-compensated valve and PVB4 is a PRE-compensated valve.

It can work multiple functions even under full flow. It can combine with PVB4 series which is with T0 port relief valve and pilot oil supply independent with no interruption from back pressure.

SN-3



額定流量 Nominal flow rate	50 L/min	13 US gpm
可使用聯數 Available sections from 1 to 12	1~12	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	315 bar	4600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

SND-3



額定流量 Nominal flow rate	50 L/min	13 US gpm
可使用聯數 Available sections from 1 to 12	1~12	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	315 bar	4600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

SN-4



額定流量 Nominal flow rate	80 L/min	21 US gpm
可使用聯數 Available sections from 1 to 12	1~12	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	315 bar	4600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

SN-5



額定流量 Nominal flow rate	120 L/min	32 US gpm
可使用聯數 Available sections from 1 to 12	1~12	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	315 bar	4600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi



SN-6



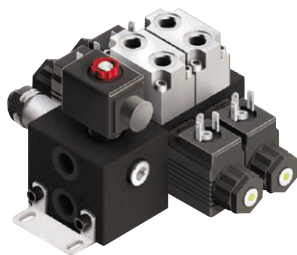
額定流量 Nominal flow rate	160 L/min	42 US gpm
可使用聯數 Available sections from 1 to 12	1~12	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	315 bar	4600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

SN-8



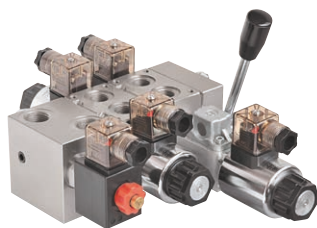
額定流量 Nominal flow rate	240 L/min	63 US gpm
可使用聯數 Available sections from 1 to 12	1~12	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	315 bar	4600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

SE-2



額定流量 Nominal flow rate	30 L/min	7.9 US gpm
可使用聯數 Available sections from 1 to 10	1~10	
工作壓力(最大) Operating pressure (Maximum)	315 bar	4600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

SE-4



額定流量 Nominal flow rate	60 L/min	15.8 US gpm
可使用聯數 Available sections from 1 to 10	1~10	
工作壓力(最大) Operating pressure (Maximum)	315 bar	4600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

塊式控制閥 Monoblock Directional Control Valves

MB-1



額定流量 Nominal flow rate	25 L/min	6.6 US gpm
可使用聯數 Available sections from 1 to 6	1~6	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	315 bar	4600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

MB-2



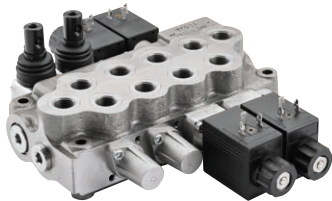
額定流量 Nominal flow rate	45 L/min	12 US gpm
可使用聯數 Only one section available	1	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	250 bar	3600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

MB-3



額定流量 Nominal flow rate	45 L/min	12 US gpm
可使用聯數 Available sections from 1 to 7	1~7	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	315 bar	4600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

MBD-3



額定流量 Nominal flow rate	45 L/min	12 US gpm
可使用聯數 Available sections from 1 to 7	1~7	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	315 bar	4600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

塊式控制閥 Monoblock Directional Control Valves



MB-4



額定流量 Nominal flow rate	60 L/min	16 US gpm
可使用聯數 Available sections from 1 to 6	1~6	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	315 bar	4600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

MB-5



額定流量 Nominal flow rate	80 L/min	21 US gpm
可使用聯數 Available sections from 1 to 6	1~6	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	315 bar	4600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

MB-6



額定流量 Nominal flow rate	120 L/min	32 US gpm
可使用聯數 Available sections from 1 to 4	1~4	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	315 bar	4600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

MB-7



額定流量 Nominal flow rate	160 L/min	42 US gpm
可使用聯數 Available sections from 1 to 4	1~4	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	250 bar	3620 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

塊式控制閥 Monoblock Directional Control Valves

MBSP



額定流量 Nominal flow rate	60 L/min	16 US gpm
可使用聯數 Only five sections available	5	
工作壓力(最大) Operating pressure (Maximum)	315 bar	4600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

MSB-3



額定流量 Nominal flow rate	70 L/min	18 US gpm
可使用聯數 Available sections from 1 to 8	1~8	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	315 bar	4600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

MSB-5



額定流量 Nominal flow rate	80 L/min	21 US gpm
可使用聯數 Available sections from 1 to 6	1~6	
工作壓力(最大)並聯迴路 Operating pressure (Maximum) Parallel circuit	315 bar	4600 psi
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	25 bar	360 psi

MBK5



額定流量 Nominal flow rate	95 L/min
最大壓力P口 Max. pressure on port P	190 Bar
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	10 Bar
止動壓力 Detent pressure	70~135 Bar

When the pressure of B port comes to detent pressure, the lever will return to neutral position automatically.
B口壓力到達止動壓力自動跳回中位。

控制單元 / 換向閥 Control Kit / Diverter Valves



PHP-1



額定流量 Nominal flow rate	5 L/min ~ 20 L/min	
可使用聯數 Only one section available	1	
工作壓力(最大) Operating pressure (Maximum)	30 ~ 100 bar	
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	3 bar	4.35 psi

JHR



控制油最大流量 Max. Control Oil Flow Rate	Max. 16 L/min
入口壓力 Inlet Pressure	Max. 50 bar
回油口背壓 OReturn Port Back Pressure	Max. 3 bar
可使用聯數 Available sections from 1 to 8	1~8

JHP-1



額定流量 Nominal flow rate	5 L/min ~ 20 L/min	
可使用聯數 Available sections from 1 to 10	1~10	
工作壓力(最大) Operating pressure (Maximum)	30 ~ 100 bar	
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	3 bar	4.35 psi

JHP2/JHPE2



額定流量 Nominal flow rate	5 L/min ~ 20 L/min	
可使用聯數 Only two sections available	2	
工作壓力(最大) Operating pressure (Maximum)	30 ~ 100 bar	
背壓(最大)出油口 T Back pressure (Maximum) on outlet port T	3 bar	4.35 psi

控制單元 / 換向閥 Control Kit / Diverter Valves

RC



可使用聯數 Available sections from 1 to 4	1~4
塊式纜線控制器 Monoblock cable operation type	

RCC



可使用聯數 Available sections from 1 to 7	1~7
片式纜線控制器(可組合) Sectional cable operation type	

FCR-2



可使用聯數 Only two sections available	2
搖桿式纜線控制器 Joystick cable operation type	

PVH-1



可使用聯數 Only one section available		1
工作電壓 Supply voltage	範圍 Range	11~30 Vdc
	最大波動 Max. ripple	5 %
消耗電流(最大) Current consumption (Max.)		100 mA
輸出電壓 Output voltage (Us)		0.25~0.75 Udc
中位電壓 Neutral voltage (Us)		0.5 Udc
斷電開關最大電流(最大) Power switch max. current (Max.)		1 A
控制角度(單邊) Control angle (Unilateral)		20°

PVH-2



可使用聯數 Only one section available		1
工作電壓 Supply voltage	範圍 Range	11~30 Vdc
	最大波動 Max. ripple	5 %
消耗電流(最大) Current consumption (Max.)		100 mA
輸出電壓 Output voltage (Us)		0.25~0.75 Udc
中位電壓 Neutral voltage (Us)		0.5 Udc
斷電開關最大電流(最大) Power switch max. current (Max.)		1 A
控制角度(單邊) Control angle (Unilateral)		20°

控制單元 / 換向閥 Control Kit / Diverter Valves

RA



額定流量 Nominal flow rate	60 L/min ~ 280 L/min	
可使用聯數 Available sections from 1 to 2	1~2	
工作壓力(最大) Operating pressure (Maximum)	250 bar	3600 psi

RAC



額定流量 Nominal flow rate	60 L/min ~ 280 L/min	
可使用聯數 Available sections from 1 to 2	1~2	
工作壓力(最大) Operating pressure (Maximum)	250 bar	3600 psi

SCS2



額定流量 Nominal flow rate	25 L/min	6.6 US gpm
可使用聯數 Available sections from 1 to 3	1~3	
工作壓力(最大) Operating pressure (Maximum)	315 bar	4600 psi

SCS3



額定流量 Nominal flow rate	50 L/min	13 US gpm
可使用聯數 Only one section available	1	
工作壓力(最大) Operating pressure (Maximum)	315 bar	4600 psi

SCS4



額定流量 Nominal flow rate	80 L/min	21 US gpm
可使用聯數 Available sections from 1 to 3	1~3	
工作壓力(最大) Operating pressure (Maximum)	315 bar	4600 psi