液压动力单元 Hydraulic Power Unit

液压动力装置是一种与电机、泵、阀门、油箱、插装阀块紧密连接的微型液压动力站，与同规格液压站相比，具有体积小、结构紧凑、重量轻、成本低、操作简单、维护方便等特点。

1.压力：10-20MPa。
2.公称流量（ml/r）：
1.0、1.6、2.0、2.5、3.3、4.0、4.8、5.8等。
3.工作电压（V）：12、24、48、220、380。
4.电机容量（kw）：0.75、1.5、2.2、3等。
5.负载转速（rpm）：2850
6.油箱容量（L）：1.5~12。
7.组装：垂直、水平。
8.出口：G1/2、G3/4、M14 x 1.5、M18 x 1.5。

Hydraulic power unit is a miniature hydraulic power station tightly connected with the motor, pump, valve.tank bv cartridge valve block, Compared with the same specification hvdraulic station, with characters : volumesmal, compact structure, iht weight, low cost, simple in operation, maintenance is convenient.

1. Pressure:10- 20MPa.
2. Nominal flow (ml/r) :1.0, 1.6, 2.0, 2.5, 3.3, 4.0, 4.8, 5.8 etc.
3. Working Voltage (V) :12, 24, 48, 220, 380.
4. Motor Capacity (kw) :0.75, 1.5, 2.2, 3 etc.
5. Load speed(rpm) :2850
6. Tank Capacity(L) :1.5 ~ 12.
7. Assembly: Vertical, Horizontal .
8. Outlet:G1/2 , G3/4, M14 x 1.5, M18 x 1.5.





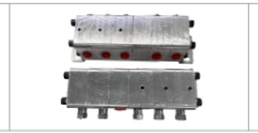
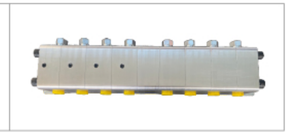

FMA系列同步马达 FMA Series Synchronous Motor

FMA分流器可以为汽车、农业、材料加工和设备制造业提供可靠的同步解决方案。它具有以下功能：

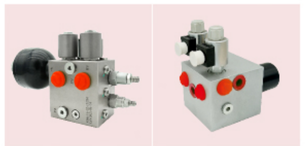
1. 并联油缸或液压马达同步运行。
2. 在单台泵供油的情况下，一定比例的流量可以分配到多个油路。
3. 当压力需要高于泵压时，压力可以进一步增加。
4. 高强度铝合金泵体，重量轻，噪音低。
5. 合金钢硬轴采用浮动齿轮传动，使用寿命长，性能稳定。
6. Du复合轴承和高性能密封部件，起动扭矩低，密封性能好。

The FMA splitter can provide reliable synchronous solutions for the vehicle, agriculture, material processing, and equipment manufacturing industries. As a motor, it has the following functions:

1. Synchronous operation of parallel oil cylinders or hydraulic motors.
2. In situations where a single pump supplies oil, a certain proportion of flow can be distributed to multiple oil circuits.
3. When the pressure needs to be higher than the pump pressure, the pressure can be further increased.
4. High strength aluminum alloy pump body, light weight, and low noise.
5. Alloy steel hard shaft with floating gear transmission, longer service life and stable performance.
6. DU composite bearings and high-performance sealing components, with low starting torque and good sealing performance.

先导油源阀系列 Pilot Oil Source Valve Series



1、工作流量 Working flow 20L/min
2、工作电压 Working voltage :12VDC/24VDC
3、溢流阀调定压力Overflow valve set pressure: 4MPa
4、油口尺寸 P、T油口为:G3/8，其他油口均为:G1/4，ACC油口为:G3/8
Oil port sizes P 、 T : G3/8, all other oil ports : G1/4, ACC por: G3/8
5、本产品适应于工程机械、农业机械、林业机械、矿业机械等。
This product is suitable for engineering machinery, agricultural machinery, forestry machinery, mining machinery, etc.

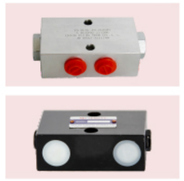
SIMAIKE 思迈克液压 卓越品质，精准切换，思迈克为您提供高效、稳定的流体控制解决方案
Excellent quality, precise switching,simaike provides you with efficient and stable fluid control solutions

双向平衡阀 Bi-Directional Balance Valve



1、双向平衡阀是一种结合了两个平衡阀的压力控制阀。
The bidirectional balance valve is a pressure control valve that combines two balance valves.
2、主要适用于高空作业车的液压系统。
It is mainly suitable for the hydraulic system of high-altitude work vehicles.
3、A1和A2都是进油口和控制口，使油缸起到双向平衡和保压作用。
A1 and A2 are both oil inlet and control ports, allowing the oil cylinder to play a bidirectional balance and pressure maintaining role.

双向液压锁 Two-Way Hydraulic Lock



1、双向液压锁广泛应用于工程、运输、起重和其他机械中需要保持液压缸压力的油路，如汽车的支撑腿回路。
Bidirectional hydraulic locks are widely used in oil circuits that require pressure retention in hydraulic cylinders in engineering, transportation, lifting, and other machinery, such as in the support leg circuit of automobiles.
2、它们的工作原理是，当油室不正向供油时，反向不可接近，不受外界干扰，起到锁定作用。
Their working principle is that when the oil chamber does not feed oil in the forward direction, the reverse direction is not accessible, and is not affected by external interference, playing a locking role.

流量控制阀 Flow Control Valve



1、公称通径 Nominal Diameter: 10mm、15mm、20mm
2、额定流量 Rated flow rate: 40 / 65 / 100 L/min
3、最大压力 Maximum pressure: 31.5Mpa
4、流量调节范围 Flow regulation range: 0-110 L/min
5、螺纹接口 Threaded interface: M18*1.5、G1/2、M27*2 或 or G3/4
6、用于控制油缸或者马达转速的快慢，用于液压系统中的流量控制。
Used to control the speed of oil cylinders or motors, used for flow control in hydraulic systems.

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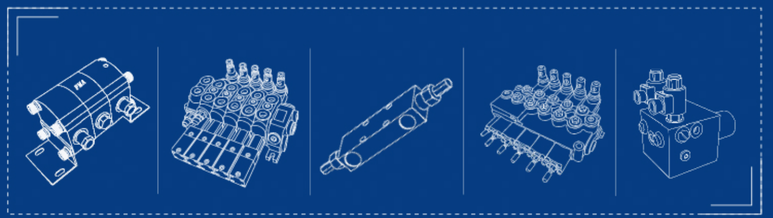
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SIMAIKE | 思迈克液压

产品技术画册 V3.0

TECHNICAL PRODUCT MANUAL





淮安思迈克机械制造有限公司
Huai'an Simike Machinery Manufacturing Co., Ltd



■DCV40系列/ Series

1、具有1-10联多路阀 Monoblock types with 1 to 10 working sections
2、公称流量 Nominal pressure：45 l/min，最大流量 Max pressure：50 l/min
压力 Pressure：200 bar，最大压力可达 Max pressure up to：315 bar
3、定位方式 Positioning returning modes：
T（弹簧复位 Spring return）、W（钢球定位 Detent control）
4、连接端口 Joining port：L（螺纹连接 Screw connection）
5、并联电路 Parallel circuit
6、滑阀功能 Spool function：O、P、Y、A
7、公称直径 Nominal diameter：
G3/8；G1/2；M18*1.5；9/16–18UNF；3/4–16UNF；SAE6；SAE8
8、操纵杆控制 Lever side control options：
手动、气动控制、电气控制、液动控制、电液控制等。
Lever side control options: manual, pneumatic control, electric and pneumatic control, hydraulic and electric control, hydraulic control and remote control.



■MB45系列/ Series

1、具有1–6联多路阀 Monoblock type with 1-6working section
2、流量 Flow：45 l/min，公称压力 Nominal pressure： 200 bar，
最大压力可达 Max pressure up to ： 315 bar
3、配有一个主卸压阀和一个负载单向阀
Fitted with a main pressure relief valve and a load check valve
4、可选电源超出端口（仅适用于并联或串联电路）
Optional power beyond port (only for parallel or tandem circuit).
5、公称直径 Nominal diameter：G3/8、G1/2
6、操纵杆控制 Lever side control options：
手动、气动控制、电气控制、液动控制、电液控制等。
Lever side control options: manual, pneumatic control, electric and pneumatic control, hydraulic and electric control, hydraulic control and remote control.



■MB65系列/ Series

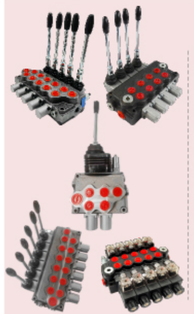
1、具有4-8联多路阀 Monoblock type with 4-8 working section
2、流量 Flow：65 l/min，最大流量 Max Flow：80 l/min
公称压力 Nominal pressure ： 200 bar，最大压力可达 Max pressure up to ： 315 bar
3、配有一个主卸压阀和一个负载单向阀
Fitted with a main pressure relief valve and a load check valve
4、可提供并联、串联或串联电路
Available with parallel, series or tandem circuit.
5、直径为15mm的可互换线轴，多种维修端口阀选项。
Diameter 15 mm interchangeable spools.A wide variety of service port valve options.
6、公称直径 Nominal diameter：G3/8、G1/2
7、操纵杆控制 Lever side control options：
手动、气动控制、电气控制、液动控制、电液控制等。
Lever side control options: manual, pneumatic control, electric and pneumatic control, hydraulic and electric control, hydraulic control and remote control.

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Excellent quality, precise switching,simaike provides you with efficient and stable fluid control solutions



■SD5系列/ Series

1、具有1–7联多路阀 Monoblock types with 1–7 working sections
2、流量 Flow：45 l/min，公称压力 Nominal pressure：200 bar，
最大压力可达 Max pressure up to：315 bar
3、配有一个主卸压阀和一个负载单向阀
Fitted with a main pressure relief valve and a load check valve
4、可提供并联、串联或串联电路
Available with parallel, series or tandem circuit
5、公称直径 Nominal diameter：
G3/8；G1/2；M18*1.5；9/16–18UNF；3/4–16UNF；SAE6；SAE8
6、操纵杆控制 Lever side control options：
手动、气动控制、电气控制、液动控制、电液控制等。
Lever side control options: manual, pneumatic control, electric and pneumatic control, hydraulic and electric control, hydraulic control and remote control.



■SD11系列/ Series

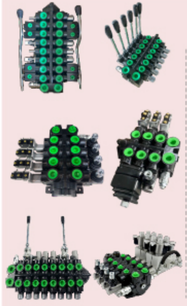
1、具有1–6联多路阀 Monoblock types with 1–6 working sections
2、流量 Flow：80 l/min，公称压力 Nominal pressure：200 bar，
最大压力可达 Max pressure up to：315 bar
3、配有一个主卸压阀和一个负载单向阀
Fitted with a main pressure relief valve and a load check valve
4、可提供并联、串联或串联电路
Available with parallel, series or tandem circuit
5、可选电源超出端口（仅适用于并联或串联电路）
Optional power beyond port (only for parallel or tandem circuit)
6、可互换线轴中的直径为20mm-0.79
Diameter 20mm-0.79 in interchangeable spools
7、提供手动、气动、液控、电液控、软轴拉线等。
Available manual, pneumatic, hydraulic, electro–hydraulic and remote with flexible cables spoolcontrol kits.



■SVV06系列/ Series

1、SVV06是分片式6通电磁切换阀，也可以做成8通和10通的油路。
6-way with alternating spool; it's sectional type to obtain 8-way or 10-way circuit.
2、油口可以安装带法兰式叠加块，可安装防震动阀。
It's possible to flange mounting a block with cross return anti-shock valves.
3、有多种不同电压的电磁阀可供选择 Coils with several feeding voltage are available
4、公称直径 Nominal diameter：G3/8；G1/2；SAE6；SAE8. 流量Flow：最大Max 60 l/min
5、电磁切换阀是基础的多路阀和2个液压执行元件之间的链接点。
They are used as link between two consumers and the basic directional valve, when we want to control both consumers alternately by means of one basic directional control valve.
6、叠加式切换阀原理可以允许单连阀通过串联的方式，连接5个切换阀，从而控制6个执行元件。The stackable circuit selector valves allow one single drive for 6 users with 5 diverters connected inseries.
7、L口必须一直接回油箱 Port L must be connected back to tank at all times

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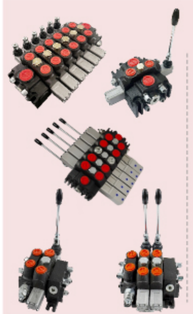
■SN60系列/ Series

1、采用片式结构，1-12连内可以任意组合 The valve can be combined from one to twelve
2、压力 Pressure: 20–31.5Mpa
3、螺纹接口 Thread interface: AB=22*1.5, PT=20*1.5 或 or AB=22*1.5, PT=18*1.5
4、阀芯功能 Valve core function：O、A、R、Y、Ox
5、油路形式为并联、串并联 The oil circuit mode is paralel connection or series connection
6、换向片内可带过载阀、二次压力阀、补油阀等附加阀供用户选择。
There are additional valves such as overload valve,secondary pressure valve.and make up oil valveare available for users.
7、操纵杆控制 Lever side control options：
手动、气动控制、电气控制、液动控制、电液控制等。
Lever side control options: manual, pneumatic control, electric and pneumatic control, hydraulic and electric control, hydraulic control and remote control.
8、用于钻机，小型挖掘机，抓木机，以及各种工程车辆。
Used for drilling rigs, small excavators, grabbing machines, and various construction vehicles.



■SD8系列/ Series

1、简单、紧凑、重型设计的分段阀，由1–14个部分组成，适用于开式和闭式液压系统。
Simple, compact and heavy duty designed sectional valve from 1–14 sections for open and closed centre hydraulic systems.
2、流量 Flow rate:90 l/min，最大压力 Max pressure 315 bar
3、定位方式 Positioning returning modes：
T（弹簧复位 Spring return）、W（钢球定位 Detent control）
4、连接端口 Joining port：L（螺纹连接 screw connection）
5、滑阀功能 Spool function：O、P、Y、A
6、公称直径 Nominal diameter：G1/2;G3/4;7/8–14UNF;SAE10;3/4–16UNF;SAE8;M18X1.5
7、操纵杆控制 Lever side control options：
手动、气动控制、电气控制、液动控制、电液控制等。
Lever side control options: manual, pneumatic control, electric and pneumatic control, hydraulic and electric control, hydraulic control and remote control.



■DCV60/100/140/200系列/ Series

1、分片结构1-10联任意组合 Sectional types with 1 to 10 working sections
2、DCV60系列流量50 l/min，最大流量60 l/min，压力可达315 bar
DCV60 series flow: 50l/min, Max 60 l/min with pressure up to 315 bar
3、DCV100系列流量80l/min，最大流量100l/min，压力可达315 bar
DCV100 series flow: 80 l/min, Max 100 l/min with pressure up to 315 bar
4、DCV140系列流量100 l/min，最大流量140 l/min，压力可达315bar
DCV140 series flow: 100 l/min, Max 140 l/min with pressure up to 315bar
5、滑阀功能 Spool function options: O, P, Y, A and etc
6、公称直径 Nominal diameter： G3/8, G1/2, G3/4
7、操纵杆控制 Lever side control:
手动、气动控制、电气控制、液动控制、电液控制等。
Manual, pneumatic control, solenoid and pneumatic control. hydraulic and solenoid control, hydraulic control and remote control.