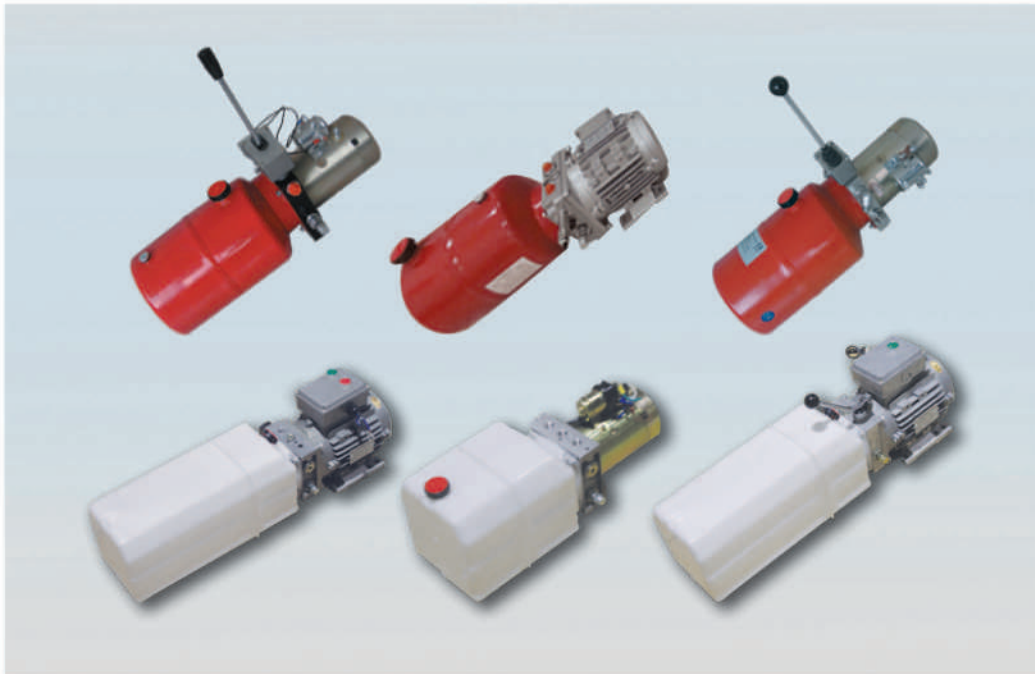


哈林液压
HaLin

淮安哈林液压科技有限公司
Huaian Halin Hydraulic Co., Ltd



www.halin-hydraulic.com

怎样选择淮安哈林液压动力单元 How to order HALIN DC power units

DPU-*

直流动力单元 DC Power Units	电磁阀电压 Valve Voltage	齿轮泵 Gear Pump	系统压力 System Pressure	油箱容积 Tank Capacity	油口尺寸 Oil Port																																																																																																														
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电机 Motor	型号 Dype	电压 (V)	功率 (Kw)
A1	MD12080	12	0.80
A2	MD24080	24	0.80
A3	MD48080	48	0.80
C1	MD12160	12	1.60
C2	MD24220	24	2.20
D1	MD12260	12	2.60
D2	MD24300	24	3.00
T1	MD12200	12	2.00
T2	MD24200	24	2.00

怎样选择淮安哈林液压动力单元 How to order HALIN AC power units

APU- * * * * *

交流动力单元
AC Power Units

阀块型号
Manifold Code

A CMA
B1 CMB1
B2 CMB2
C1 CMC1
C2 CMC2
C3 CMC3
D1 CMD1
D2 CMD2
D3 CMD3
E CME
F CMF
L CML

齿轮泵
Gear Pump

UA KA
UB KB
UC KC
UD KD
UE KE
UF KF
UG KG
UH KH
UI KI

电磁阀电压
Valve Voltage

A DC 12V
B DC 24V
C AC 24V
D AC 110V
E AC 220V
N Without

系统压力
System Pressure

D 10 MPa
E 16 MPa
F 20 MPa
G 28 MPa
H 31.5MPa

液压原理图
Option Circuit

01→36

安装方式
Mounting Type

H 卧式 Horizontal
H1-H6
V 立式 Vertical
V1-V5

特殊安装要求
Special mounting demand

A-P

油箱容积
Tank Capacity

A 1.7 L
B 2.8 L
C 4.0 L
D 5.0 L
E 6.0 L
F 8.0 L
G 10 L
H 12 L
I 14 L
J 3 gal.
K 5 gal.
L 15 L
M 20 L
N 30 L

*Plastic tank add (P)

油口尺寸
Oil Port

A M14*1.5
B M16*1.5
C 1/4"BSPP
D 3/8"BSPP
E 3/8"NPT
F 9/16"SAE

电机 Motor	型号 Dype	电压/功率 (V)/(Kw)	电机 Motor	型号 Dype	电压/功率 (V)/(Kw)
A0	MS380037-4	380/0.37	A2	ML220075-2	220/ 0.75
A1	MS400075-2	400/0.75	H2	ML220075-2	220/ 0.75
B2	MS380075-2	380/0.75	H4	ML220075-4	220/0.75
B4	MS380075-4	380/0.75	I2	ML220150-2	220/1.50
C2	MS380110-2	380/1.10	J2	ML220185-2	220/1.85
C4	MS380110-4	380/1.10	I4	ML220150-4	220/1.50
D2	MS380150-2	380/1.50	J4	ML220220-4	220/2.20
D4	MS380150-4	380/1.50	R2	ML220220-2	220/2.20
E2	MS380185-2	380/1.85	K2	ML220150-2	110/1.50
E4	MS380185-4	380/1.85	K4	ML220150-4	110/1.50
F2	MS380220-2	380/2.20	L2	ML2110185-2	110/1.85
F4	MS380220-4	380/2.20	L4	ML110185-4	110/1.85
N2	MS380300-2	380/3.00	Q2	ML110220-2	110/2.20
Y3	YS380220-2	380/2.20	Q4	ML110220-2	110/2.20
			Y1	YL110220-2	110/2.20
			Y2	YL220220-2	220/2.20

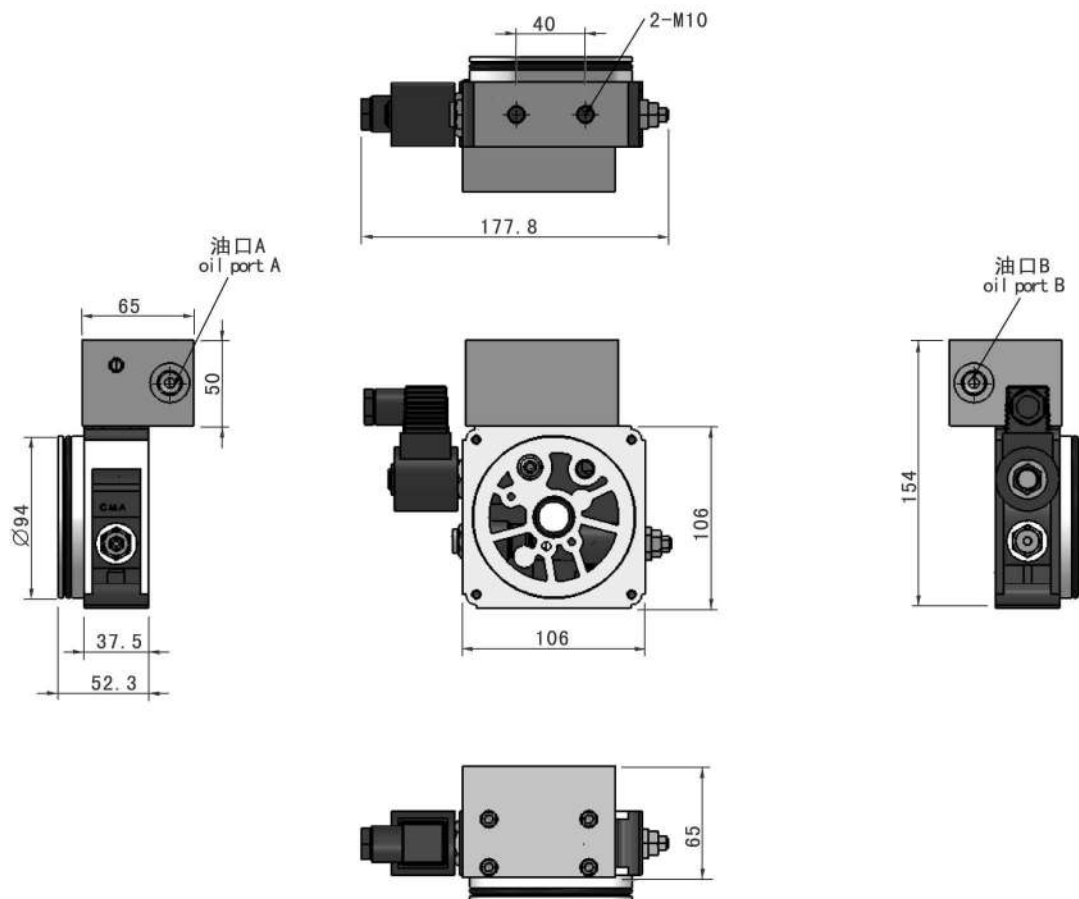
CMA 中心阀块 Center Manifold

CMA中心阀块,选用优质铝合金精密铸造而成,为实现规模化生产创造了条件。可组成:DC12V、DC24V、DC48V、AC380V、AC220V、AC400V等动力单元。仅与CBU型齿轮泵配合使用。组装方便、性能优越、操作简单、实用性强。

适用液压原理图: 02、06、07、08、10、12、11、13、14、21、22、23、25、26

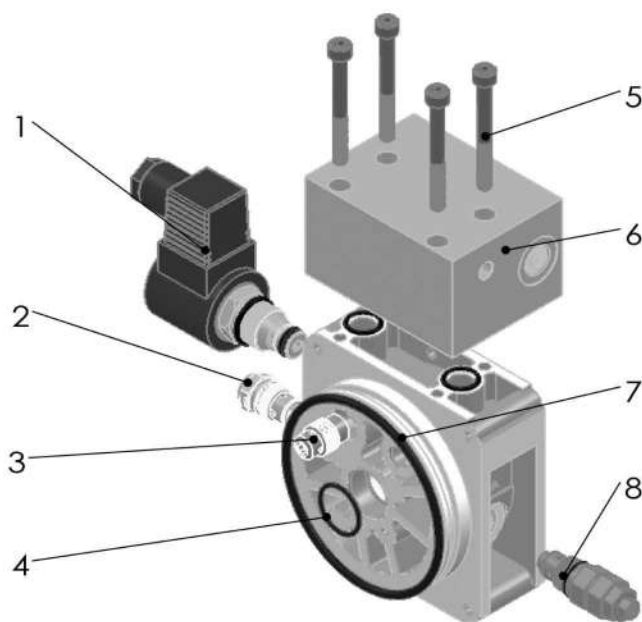
Pressure Casting Technology processing, the essential base for mass-production, adoption of high quality characteristic aluminum alloy material, advanced technology of the alloy refinement and heat treatment. Especially designed for Mini power Unit fitting with CBU type Gear Pump. Application available for the motor voltage of power unit: DC12V、DC24V、DC48V、AC380V、AC220V、AC400V
Application available of the hydraulics schematic: 02、06、07、08、10、11、12、13、14、21、22、23、25、26

一、外形尺寸图 Outline Dimensions



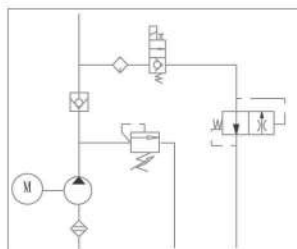
CMA 中心阀块 Center Manifold

二、爆炸图 Exploded Drawing



序号 Item	部件名称 Part name	代码 Part code
1	电磁阀 Solenoid valve	SCV (E)
2	单向阀 Check Valve	CV-06
3	压力补偿节流阀 pressure compensation valve	RPCV-02
4	O型圈 O-RING	φ 21. 2X1. 8
5	内六角螺栓 Hexagon bolt	M6X55
6	叠加块 Block stacking	MB01
7	O型圈 O-ring	φ 87. 5X3. 55
8	溢流阀 Relief valve	RV-06

三、典型原理图 Hydraulic Schematic



四、使用说明 Operation Directions

1、二位二通附手动、电磁阀SCV (E) 图示1号零件

- ① 应急按钮如果是红色的，操作时向内按往右旋为保压正常工作。向内按往左旋为松开放油、卸压。
- ② 应急按钮如果是黄色的，操作时直接右旋为旋紧保压正常工作。直接左旋为松开放油、卸压。

2、压力补偿节流阀RPCV-02图示2号零件，下降速度（流量）选配。

3、调压阀RV-06图示8号零件：出厂时压力已调节好请不要随意调节。需要调节压力时，松开锁紧螺母，

- ① 用3mm内六角扳手，右旋增加压力；左旋减少压力。
- ② 压力调节合适后，请锁紧螺母。

4、MB15叠加块属选用配件，配装叠加阀使用。

1.Fitting part of Item 1: 2 Position-2 Way Solenoid Release Valve SCV (E)

①With red emergency push button: Push and turn right down: pressure holding and oil working Push and turn left: pressure released and oil returning to the tank..

②With yellow emergency push button: Directly turn right down: pressure holding and oil working. Directly turn left: pressure released and oil returning to the tank.

2. Fitting part of Item 2: Pressure Compensated Down-Speed Control Valve RPCV

Optional type with different flow rate

3. Fitting part of Item 8: Relief Valve RV-06

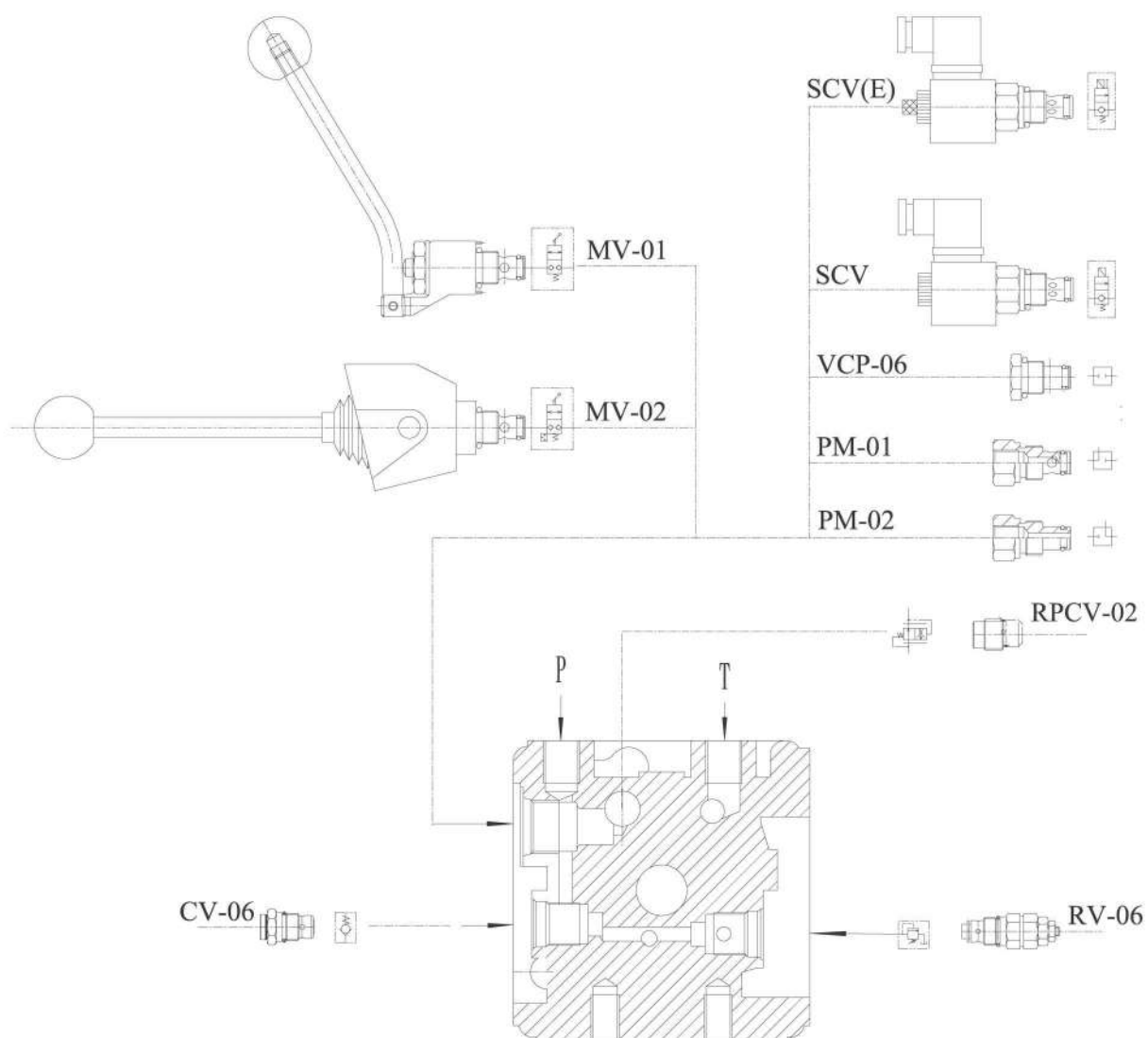
The pressure has been adjusted in regular data in delivery inspection, and user self- adjusting is forbidden for this valve. For necessary adjustment by expert operation guiding:

Loosen the tight nut--- with 3mm socket screw wrench, turn right for pressure up; turn left for pressure down---tighten the nut after adjustment operation.

4. Fitting part of Item 6:

operational match part for the fitting of modular valve (Cetop valve) MB01

五、部件选配图 Cartaridge Valves Option



CMB1-01 中心阀块 Center Manifold

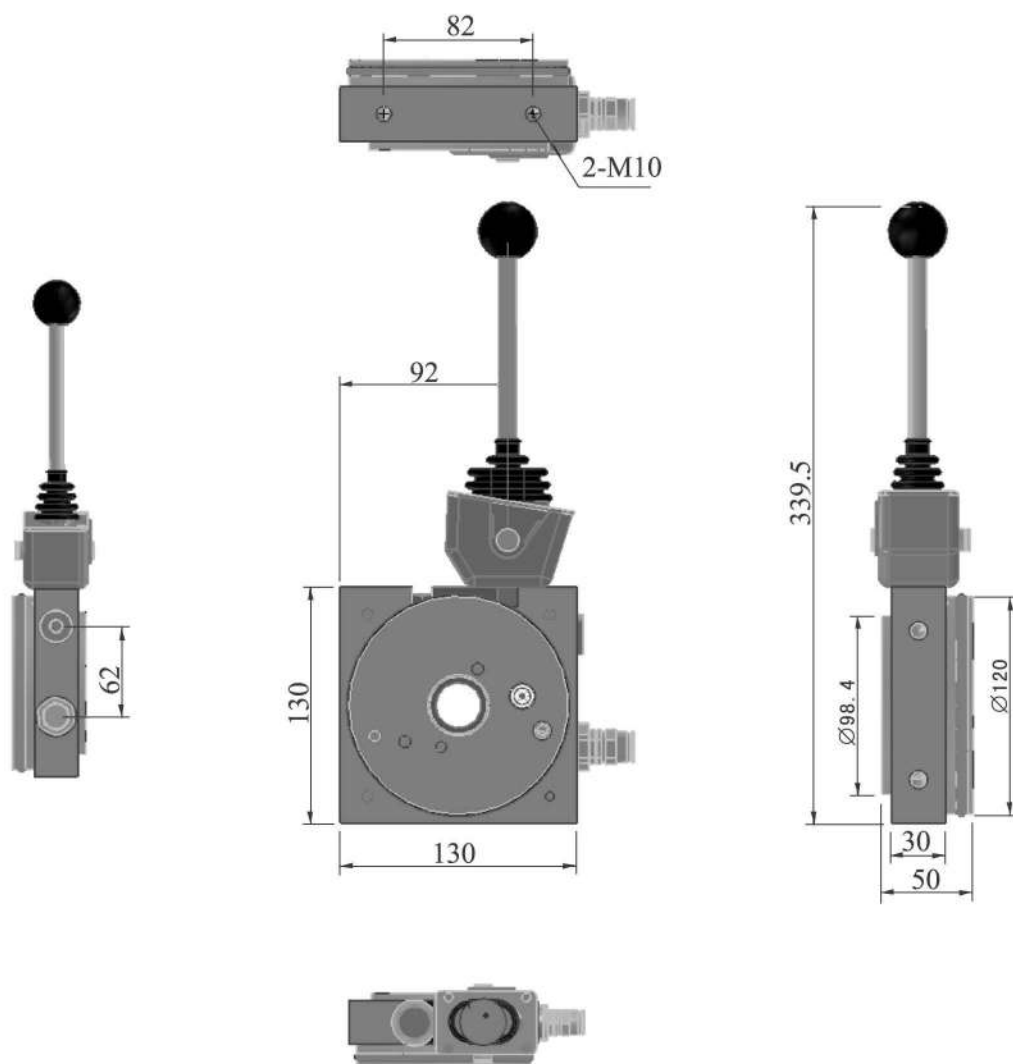
CMB1-01号中心阀块专门为半电动堆高机而设计。为优质铝合金挤压而成，表面氧化处理。一般与 DC12V (MD12160) 电机组合，与CBK泵配合使用。外观简洁，经久耐用，操作简便、专业性强。

适用液压原理图：2、21、22、23

Gravity Casting Manifold, adoption of high quality characteristic aluminum alloy material, advanced technology of the alloy refinement, and special Oxide Film treatment. Especially designed for Semi-Electric Pallet Truck, with the succinct instruction, easy operation, stability performance and highly durable service-life. Commonly match DC12V motor: (MD12160)

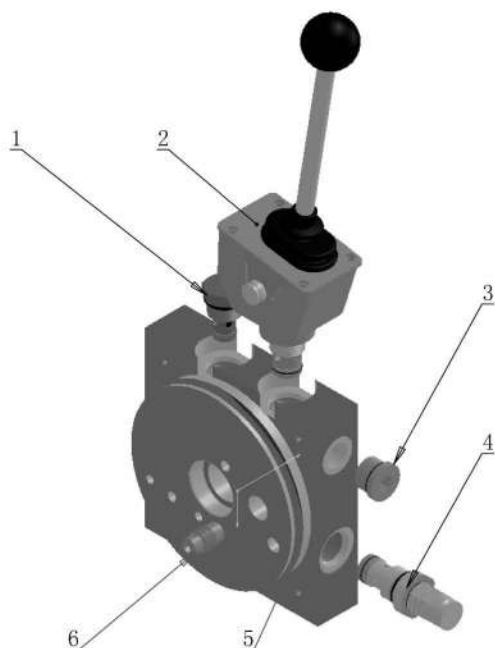
Application available of the hydraulic schematic: 2、21、22、23

一、外形尺寸图 Outline Dimensions



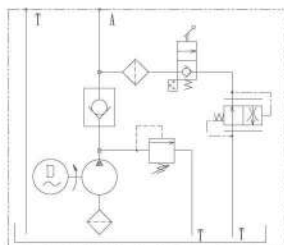
CMB1-01 中心阀块 Center Manifold

二、爆炸图 Exploded Drawing



序号 Item	部件名称 Part name	代码 Part code
1	单向阀 Check valve	CV-01
2	手动阀 Manual valve	MV-02
3	塑料堵头 Plastic plug	PP-02
4	溢流阀 Relief valve	RV-02
5	O型圈 O-ring	φ 112X4
6	压力补偿阀 Pressure compensation valve	RPCV-02

三、典型原理图 Hydraulic Schematic



四、使用说明 Operation Directions

1、二位三通手动阀MV-02图示2号零件: 操作时向前推为电机启动, 向后拉为放油卸压。

2、下降节流阀图示6号零件, 流量为选配

3、调压阀RV-02图示4号零件, 出厂时压力已调节好请不要随意调节。

① 用3mm内六角扳手, 右旋增加压力, 左旋减少压力。

② 压力调节合适后, 请锁紧螺母。

1. Fitting part of Item 2: 2 Position-2 Way Manual Release Valve MV-02

Push forward to make the motor start; Push backward and down to make the pressure released and the oil return to tank

2. Fitting part of Item 6: Pressure Compensated Down-Speed Control Valve RPCV-02

Optional type with different flow rate

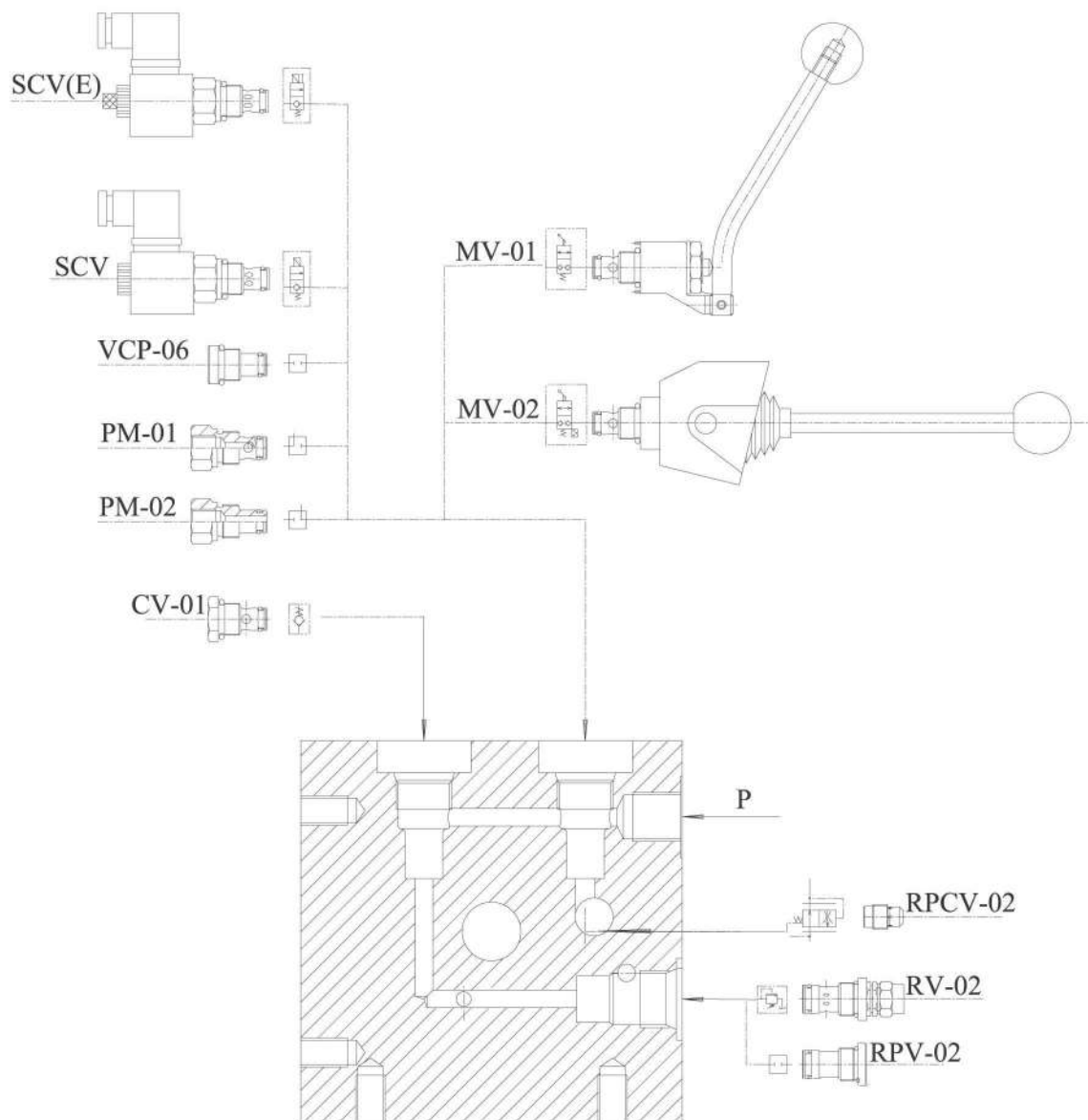
3. Fitting part of Item 4: Relief Valve RV-02

The pressure has been adjusted in regular data in delivery inspection, and user self- adjusting is forbidden for this valve. For necessary adjustment by expert operation guiding:

Loosen the tight nut--- with 3mm socket screw wrench, turn right for pressure up; turn left for pressure down---tighten the nut after adjustment operation.

CMB1-01 中心阀块 Center Manifold

五、部件选配图 Cartaridge Valves Option



CMB1-02 中心阀块 Center Manifold

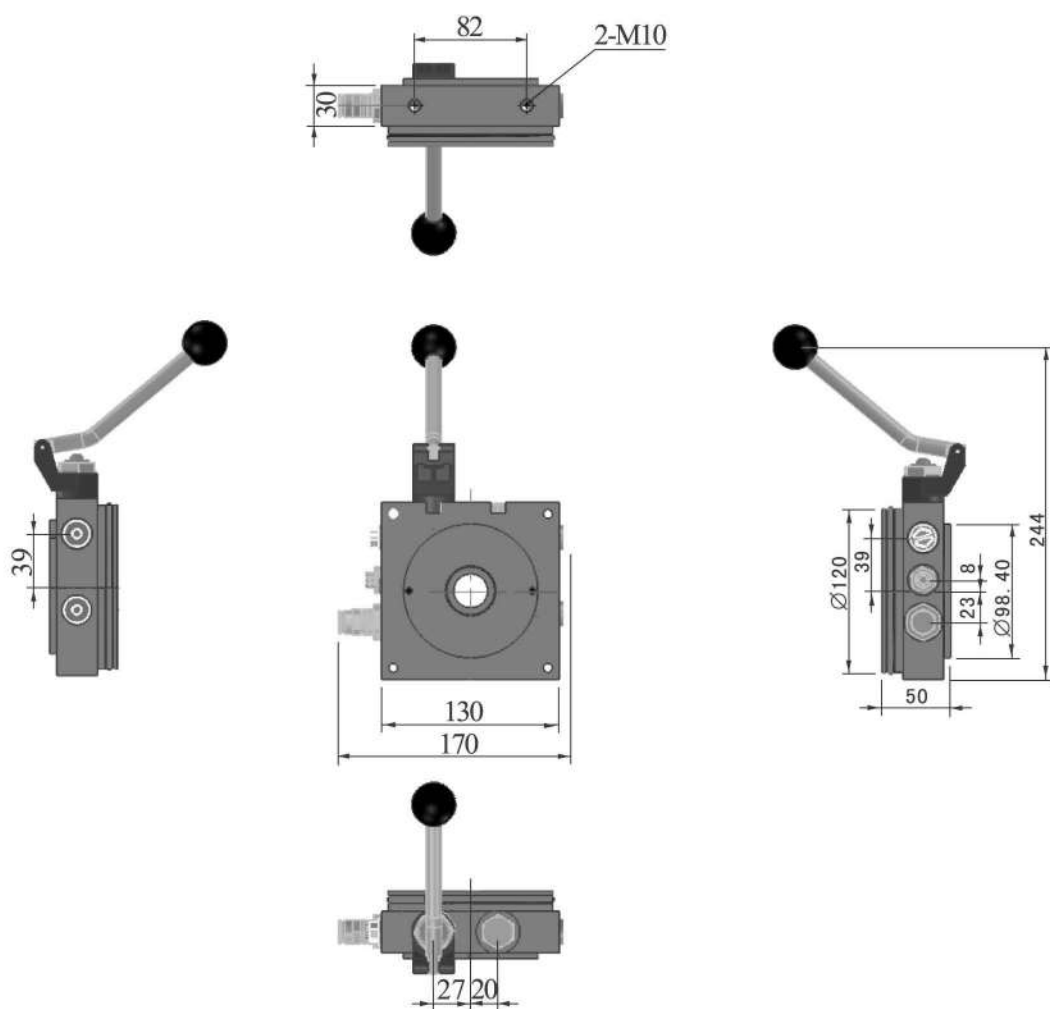
CMB1-02号中心阀块专门为汽车举升机而设计。为优质铝合金挤压而成，表面氧化处理。一般与380V、220V、110V 钢板电机组组合。外观简洁，经久耐用，操作简便、专业性强。

适用液压原理图：02、03、05、21、22、23

Gravity Casting Manifold, adoption of high quality characteristic aluminum alloy material, advanced technology of the alloy refinement, and special Oxide Film treatment. Especially designed for Car-lifts, with the succinct instruction, easy operation, stability performance and highly durable service-life.

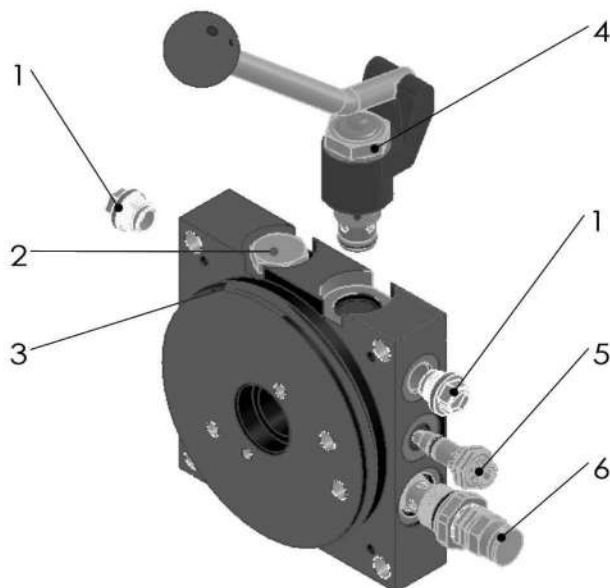
Application available of the hydraulic schematic: 02、03、05、21、22、23.

一、外形尺寸图 Outline Dimensions



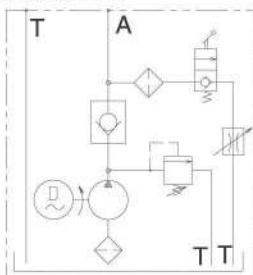
CMB1-02 中心阀块 Center Manifold

二、爆炸图 Exploded Drawing



序号 Item	部件名称 Part name	代码 Part code
1	塑料堵头 Plastic plug	PP-02
2	单向阀 Check valve	CV-01
3	O型圈 O-ring	φ112x4
4	手动阀 Manual valve	MV-01
5	节流阀 Throttle valve	FCV-02
6	溢流阀 Relief valve	RV-02

三、典型原理图 Hydraulic Schematic



四、使用说明 Operation Directions

- 二位三通手动阀MV-01图示4号零件: 操作时向下按为放油卸压, 松开为保压正常工作。
- 下降节流阀图示5号零件: 调节时松开锁紧螺母, 用6mm内六角扳手调节, 右旋为减小流量, 左旋为增大流量, 流量调节合适后, 请锁紧螺母。
- 调压阀RV-02图示6号零件: 出厂时压力已调节好请不要随意调节。需要调节压力时, 松开锁紧螺母。
 - 用3mm内六角扳手, 右旋增加压力, 左旋减少压力。
 - 压力调节合适后, 请锁紧螺母。

1. Fitting part of Item 4: 2 Position-2 Way Manual Release Valve MV-01

Push and down to make the pressure released and the oil return to tank; loose and free state: pressure holding and the oil working.

2. Fitting part of Item 5: Adjustable Down-Speed Control Valve FCV-02 For necessary adjustment by expert operation guiding:

Loosen the tight nut--- with 6mm socket screw wrench, turn right for Flow Rate down; turn left for Flow Rate up --- tighten the nut after adjustment operation.

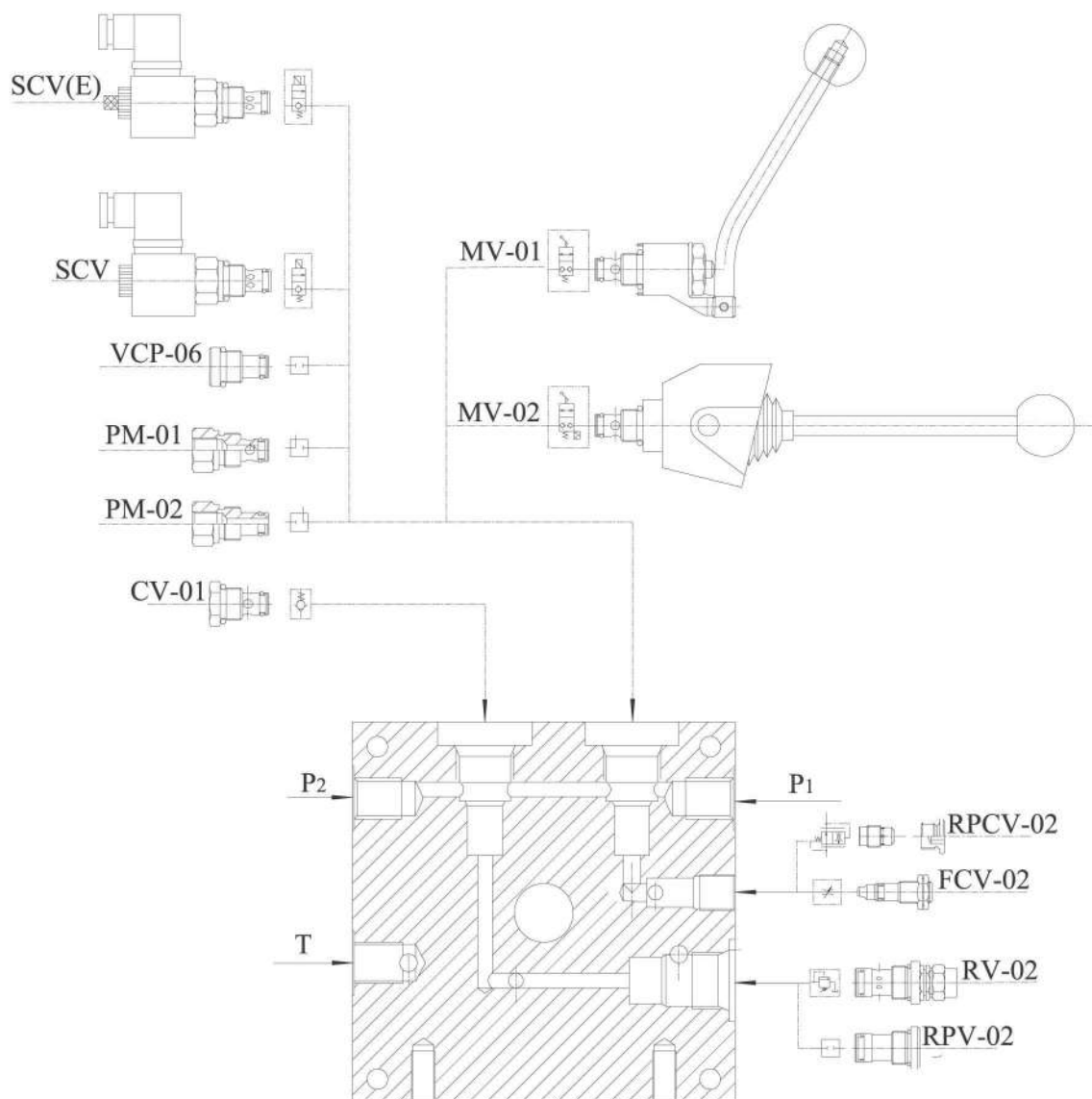
3. Fitting part of Item 6: Relief Valve RV-02

The pressure has been adjusted in regular data in delivery inspection, and user self- adjusting is forbidden for this valve. For necessary adjustment by expert operation guiding:

Loosen the tight nut--- with 3mm socket screw wrench, turn right for pressure up; turn left for pressure down---tighten the nut after adjustment operation.

CMB1-02 中心阀块 Center Manifold

五、部件选配图 Cartaridge Valves Option



CMB2 中心阀块 Center Manifold

CMB2中心阀块, 专门为堆高机而设计, 为优质铝合金挤压而成, 表面氧化处理。一般MD2160, MD24220电机组组合, 外观简洁, 经久耐用, 操作简单, 专业性强。

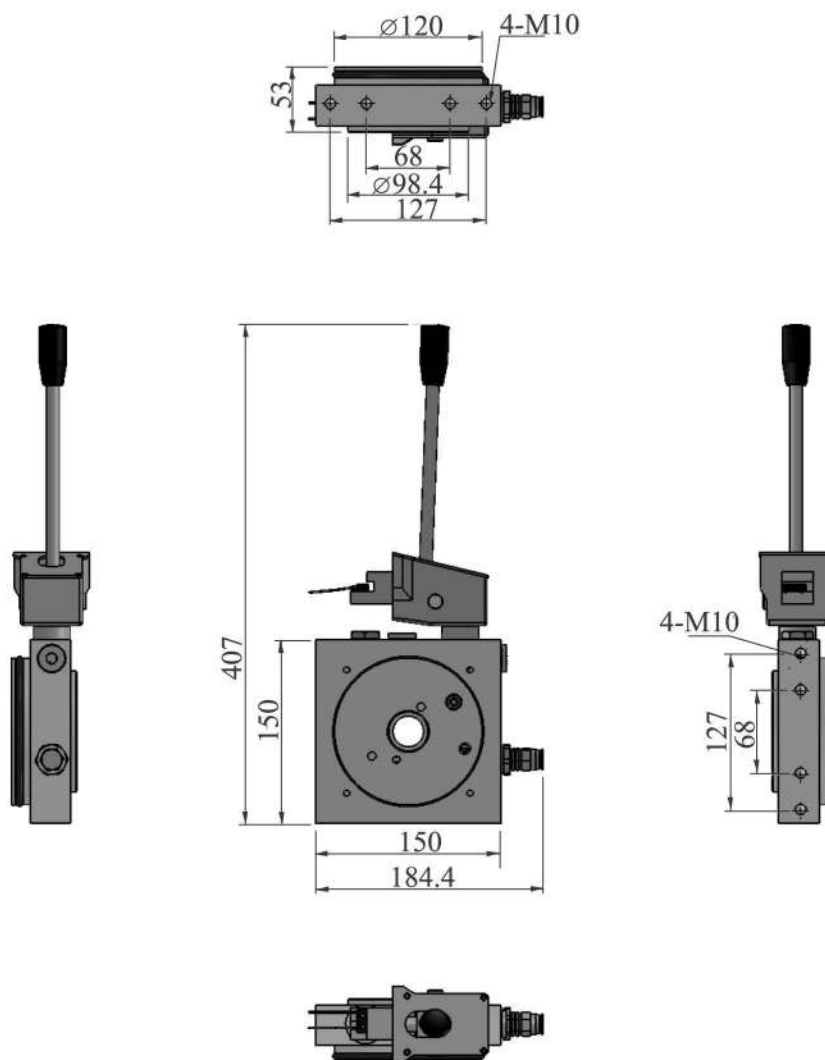
适用的液压原理图: 02、21、23、34

Gravity Casting Manifold, adoption of high quality characteristic aluminum alloy material, advanced technology of the alloy refinement, and special Oxide Film treatment. Especially designed for Electric Pallet Truck, with the succinct instruction, easy operation, stability performance and highly durable service-life.

Commonly match DC motor: MD12160 and MD24220

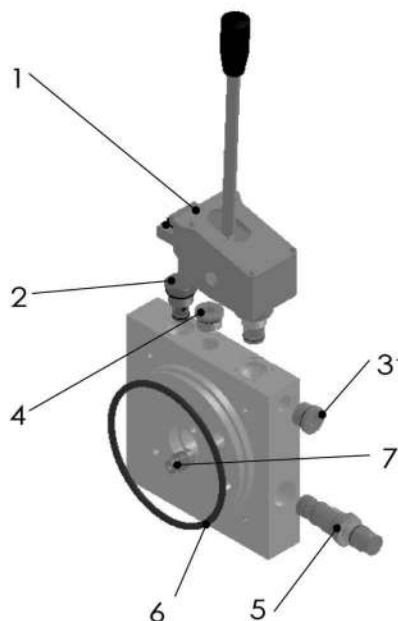
Application available of the hydraulic schematic: 02、21、23、34.

一、外形尺寸图 Outline Dimensions



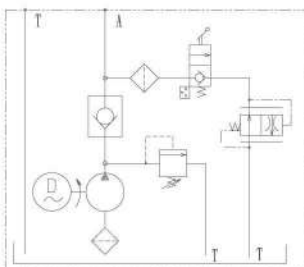
CMB2 中心阀块 Center Manifold

二、爆炸图 Exploded Drawing



序号 Item	部件名称 Part name	代码 Part code
1	手动阀 Manual valve	MV-03
2	单向阀 check valve	CV-01
3	塑料堵头 Plastic plug	PP-03
4	铁堵头 Steel plug	SP-03
5	溢流阀 Relief valve	RV-03
6	O型圈 O-ring	φ 112X4
7	压力补偿节流阀 pressure compensation Valve	RPCV-02

三、典型原理图 Hydraulic Schematic



四、使用说明 Operation Directions

- 二位三通手动阀MV-03图示1号零件: 操作时向前推为电机启动, 松开为放油卸压。
- 压力补偿节流阀图示7号零件: 下降速度 (流量) 为选配。
- 调压阀RV-03图示5号零件: 出厂时压力已调节好请不要随意调节, 需要调节压力时, 松开锁紧螺母。
 - 用3mm内六角扳手, 右旋增加压力, 左旋减少压力。
 - 压力调节合适后, 请锁紧螺母。

1. Fitting part of Item 1: 2 Position-2 Way Manual Release Valve MV-03

Push forward to make the motor start; Push backward and down to make the pressure released and the oil return to tank

2. Fitting part of Item 7: Pressure Compensated Down-Speed Control Valve RPCV-02

Optional type with different flow rate

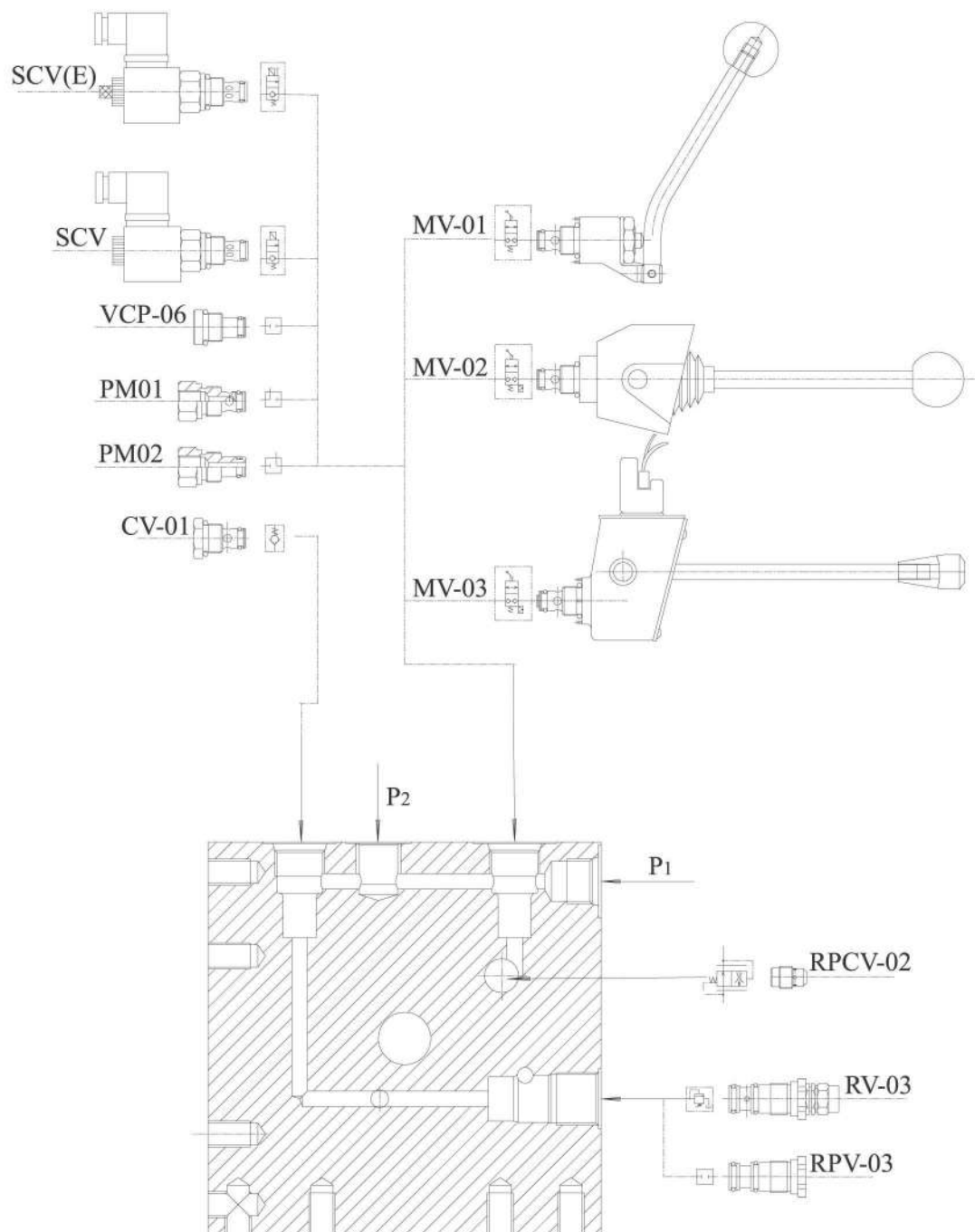
3. Fitting part of Item 5: Relief Valve RV-03

The pressure has been adjusted in regular data in delivery inspection, and user self-adjusting is forbidden for this valve. For necessary adjustment by expert operation guiding:

Loosen the tight nut——with 3mm socket screw wrench, turn right for pressure up; turn left for pressure down——tighten the nut after adjustment operation.

CMB2 中心阀块 Center Manifold

五、部件选配图 Cartaridge Valves Option



CMC1 中心阀块 Center Manifold

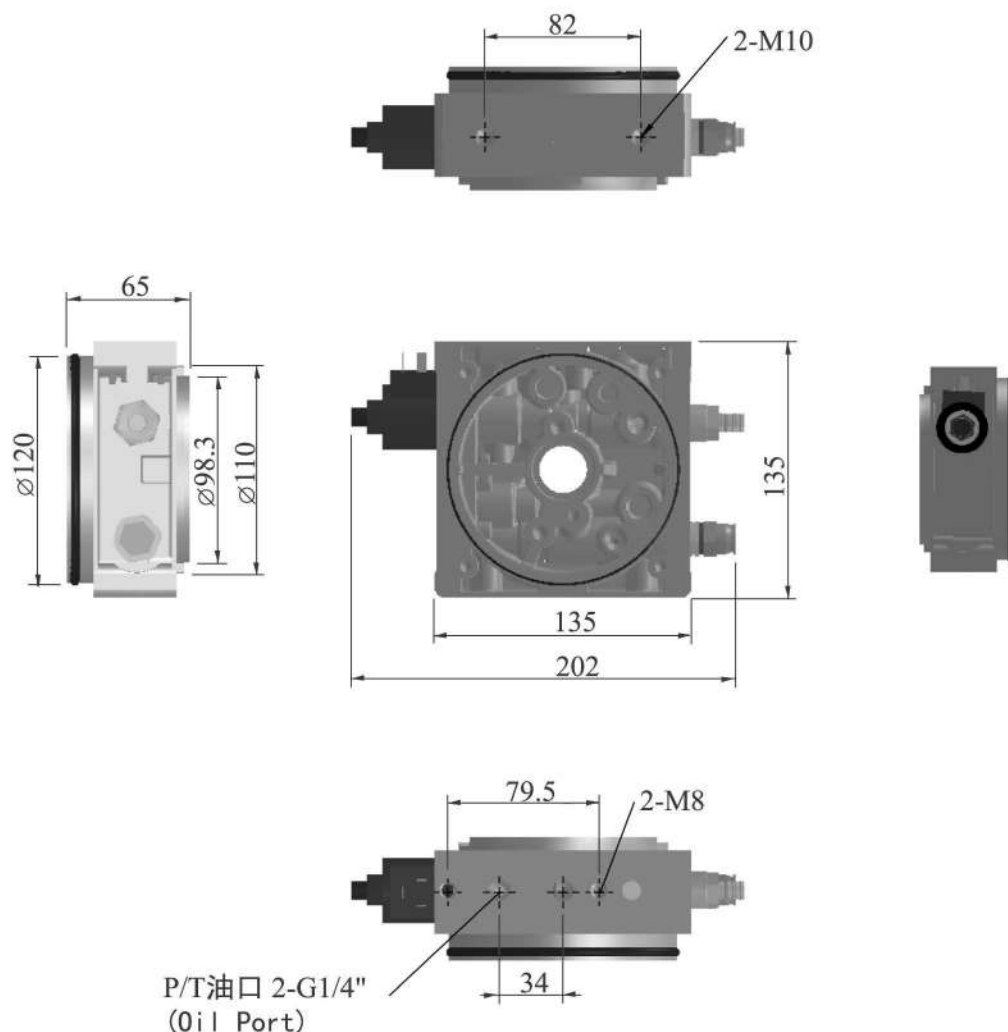
CMC1中心阀块，选用优质铝合金精密铸造而成，为实现规模化生产创造了条件。二位二通插装式电磁阀在此阀块上应用，减少空间，组装方便，性能优越，操作简单，专业性强。

适用的液压原理图: 01、02、05、08、10、11、12、13、14、16、17、21、26、27、30、31、32、33、35

Pressure Casting Technology processing, the essential base for mass-production, adoption of high quality characteristic aluminum alloy material, advanced technology of the alloy refinement and heat treatment. Adoption of the cartridge type 2 position - 2way solenoid release valve to make the fitting space reduction. Convenient assembly, simply operation, stability performance, practical design and function.

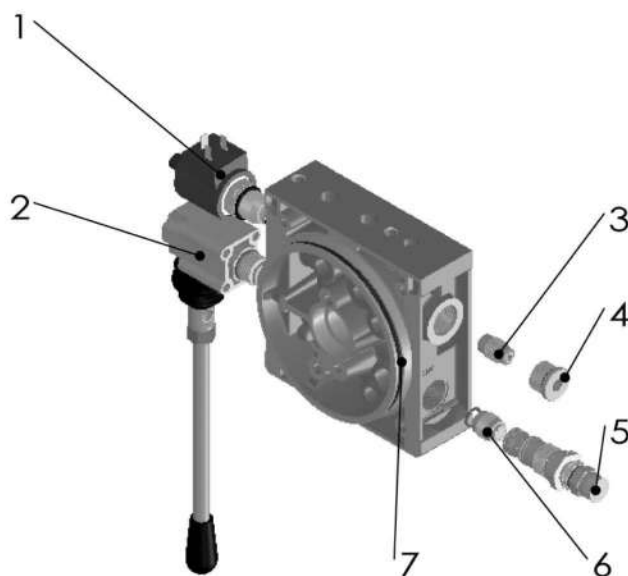
Application available of the hydraulics schematic: 01、02、05、08、10、11、12、13、14、16、17、21、26、27、30、31、32、33、35

一、外形尺寸图 Outline Dimensions



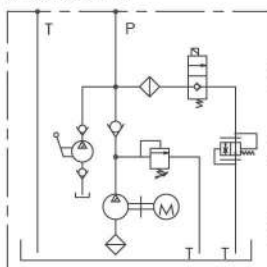
CMC1 中心阀块 Center Manifold

二、爆炸图 Exploded Drawing



序号 Item	部件名称 Part name	代码 Part code
1	电磁阀 Solenoid valve	SCV
2	手动泵 Manual pump	HP-20
3	压力补偿节流阀 pressure compensation Valve	RPCV-02
4	铁堵头 Steel plug	SP-06
5	溢流阀 Relief valve	RV-03
6	单向阀 Check Valve	CV-02
7	O型圈 O-ring	112x4

三、典型原理图 Hydraulic Schematic



四、使用说明 Operation Directions

- 二位三通附手动、电磁阀SCV(E)图示1号零件
 - 应急按钮如果是红色的，向内按往右旋为正常工作。向内按往左旋为松开放油、卸压。
 - 应急按钮如果是黄色的，直接右旋为旋紧保压。直接左旋为松开放油、卸压。
- 手动泵图示2号零件：系统失去电源时应急使用，前后摇动手柄为向系统压油、加压。
- 调压阀RV-03图示4号零件：出厂时压力已调节好请不要随意调节。需要调节压力时，松开锁紧螺母，
 - 用5mm内六角扳手，右旋增加压力。左旋减少压力
 - 压力调节合适后，请锁紧螺母。
- 压力补偿节流阀RPCV-02图示3号零件：下降速度（流量）选配。

1. Fitting part of Item 1: 2 Position-2 Way Solenoid Release Valve SCV (E)

①With red emergency push button:

Push and turn right down: pressure holding and oil working

Push and turn left: pressure released and oil returning to the tank..

②With yellow emergency push button:

Directly turn right down: pressure holding and oil working.

Directly turn left: pressure released and oil returning to the tank..

2. Fitting part of Item 2: Hand Pump, emergency operation in case of the electric power off. Push forth and back repeatedly to make the oil sucking up from the tank and working.

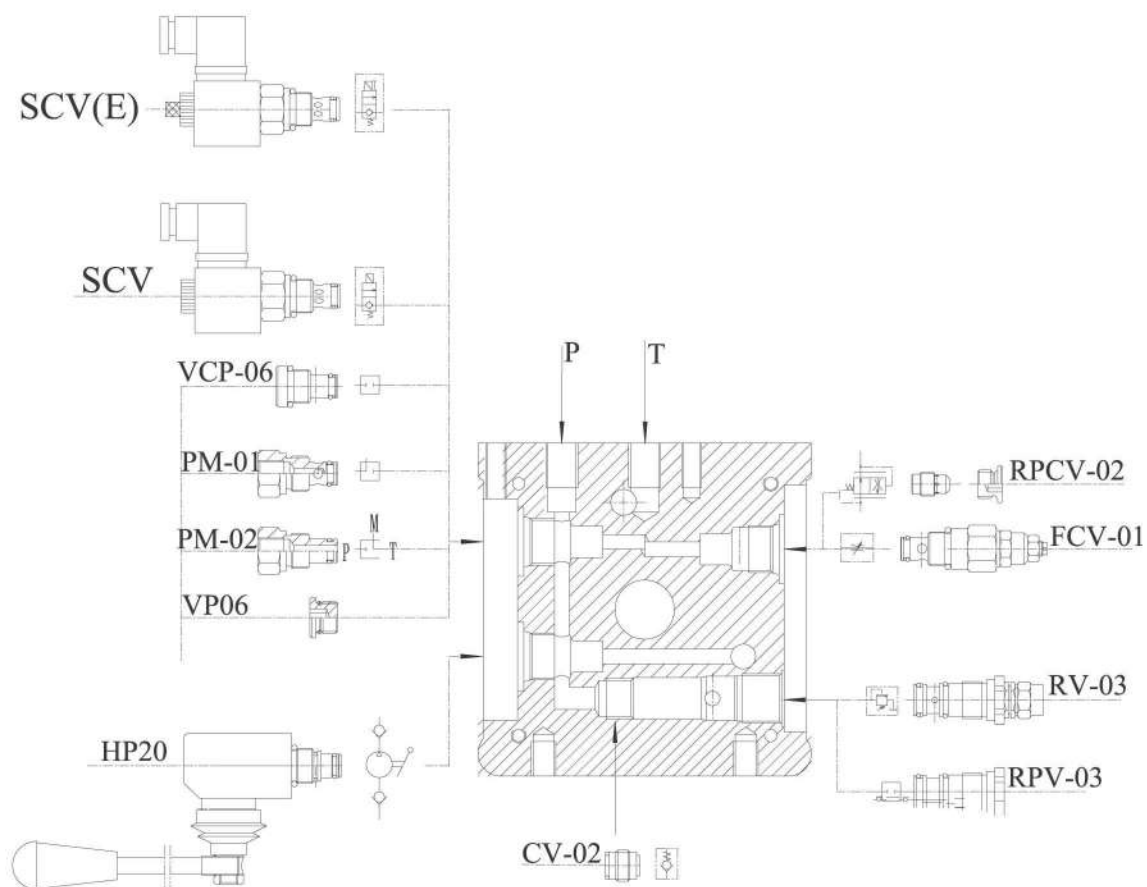
3. Fitting part of Item 4: Relief Valve RV-03

The pressure has been adjusted in regular data in delivery inspection, and user self-adjusting is forbidden for this valve. For necessary adjustment by expert operation guiding:

Loosen the tight nut— with 5mm socket screw wrench, turn right for pressure up; turn left for pressure down—tighten the nut after adjustment operation.

CMC1 中心阀块 Center Manifold

五、部件选配图 Cartaridge Valves Option



CMC2 中心阀块 Center Manifold

CMC2中心阀块，选用优质铝合金精密铸造而成，为实现规模化生产创造了条件。二位三通插装式电磁阀在此阀块上应用，减少空间，组装方便，性能优越，操作简单，专业性强。

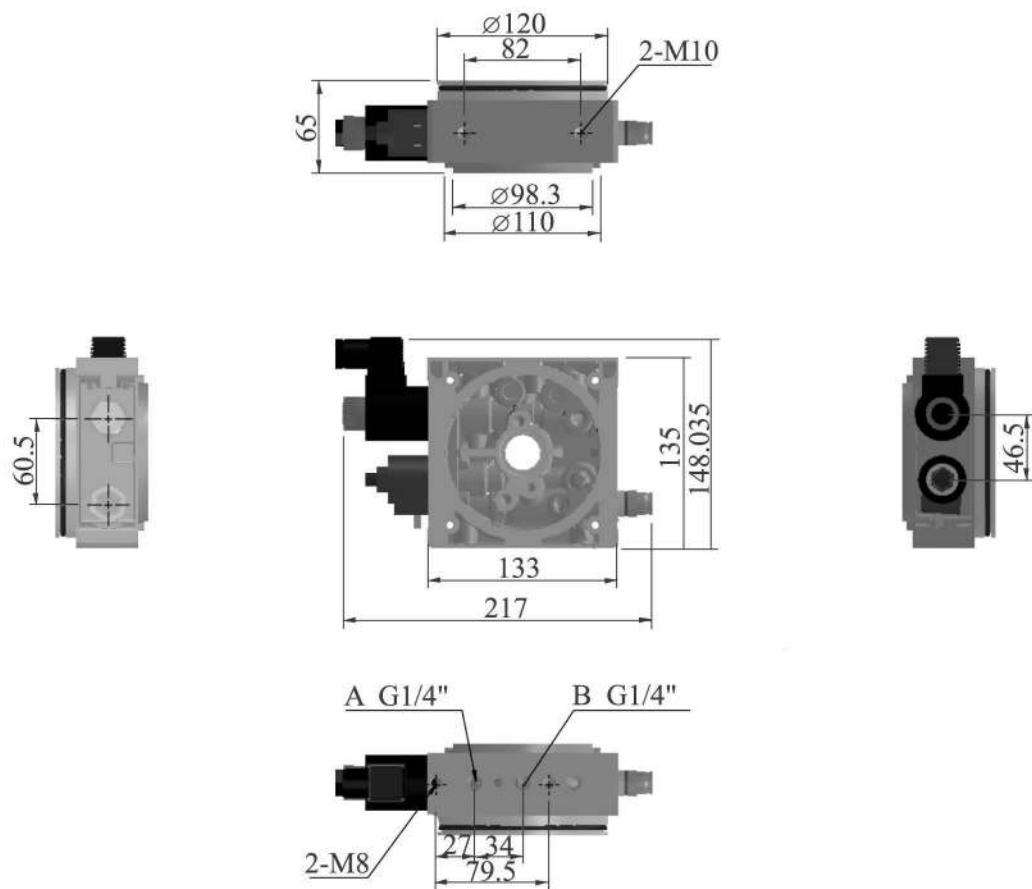
适用液压原理图: 07、25

Pressure Casting Technology processing, the essential base for mass-production, adoption of high quality characteristic aluminum alloy material, advanced technology of the alloy refinement and heat treatment.

Adoption of the cartridge type 2 position - 3way solenoid directional valve to make the fitting space reduction. Convenient assembly, simply operation, stability performance, practical design and function.

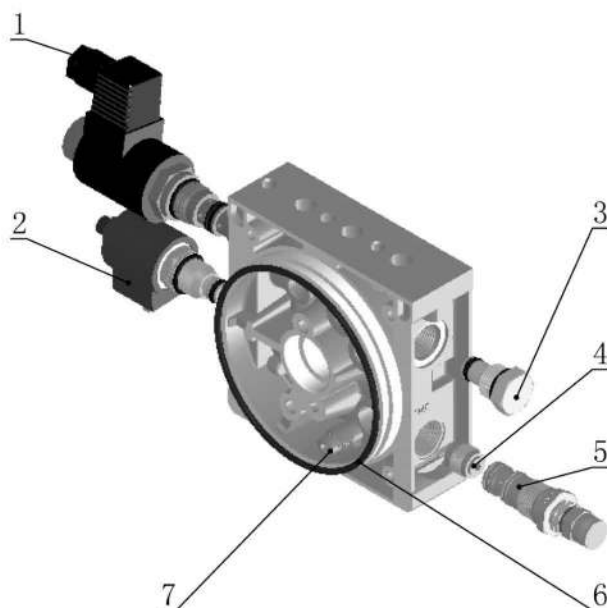
Application available of the hydraulics schematic: 07、25

一、外形尺寸图 Outline Dimensions



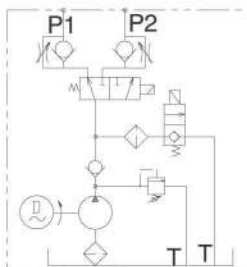
CMC2 中心阀块 Center Manifold

二、爆炸图 Exploded Drawing



序号 Item	部件名称 Part name	代码 Part code
1	二位三通电磁阀 Solenoid Valve 2 links	SCV23
2	二位二通电磁阀 2 Two-solenoid valve	SCV (E)
3	单向阀堵头 Check valve Plug	VCP-06
4	单向阀 Check valve	CV-02
5	溢流阀 Relief valve	RV-03
6	O型圈 O-ring	Ø12x4
7	压力补偿节流阀 pressure compensation valve	RPCV-02

三、典型原理图 Hydraulic Schematic



四、使用说明 Operation Directions

1、二位三通电磁阀SV23图示1号零件

2、二位二通附手动、电磁阀SCV (E) 图示1号零件

① 应急按钮如果是红色的，向内按往右旋为正常工作，向内按往左旋为松开放油，卸压。

② 应急按钮如果是黄色的，直接右旋为旋紧保压。直接左旋为松开放油，卸压。

3、调压阀 RV-03图示5号零件：出厂时压力已调节好请不要随意调节。

① 用5mm内六角扳手，右旋增加压力。左旋减少压力。

② 压力调节合适后，请锁紧螺母。

4、压力补偿节流阀RPCV-02图示7号零件：下降速度（流量）选配。

1. Fitting part of Item 1: 2 Position-3 Way Solenoid Release Valve **SV23**

2. Fitting part of Item 2: 2 Position-2 Way Solenoid Release Valve **SCV (E)**

① With red emergency push button: Push and turn right down: pressure holding and oil working Push and turn left: pressure released and oil returning to the tank..

② With yellow emergency push button: Directly turn right down: pressure holding and oil working. Directly turn left: pressure released and oil returning to the tank.

3. Fitting part of Item 5: Relief Valve **RV-03**

The pressure has been adjusted in regular data in delivery inspection, and user self- adjusting is forbidden for this valve. For necessary adjustment by expert operation guiding:

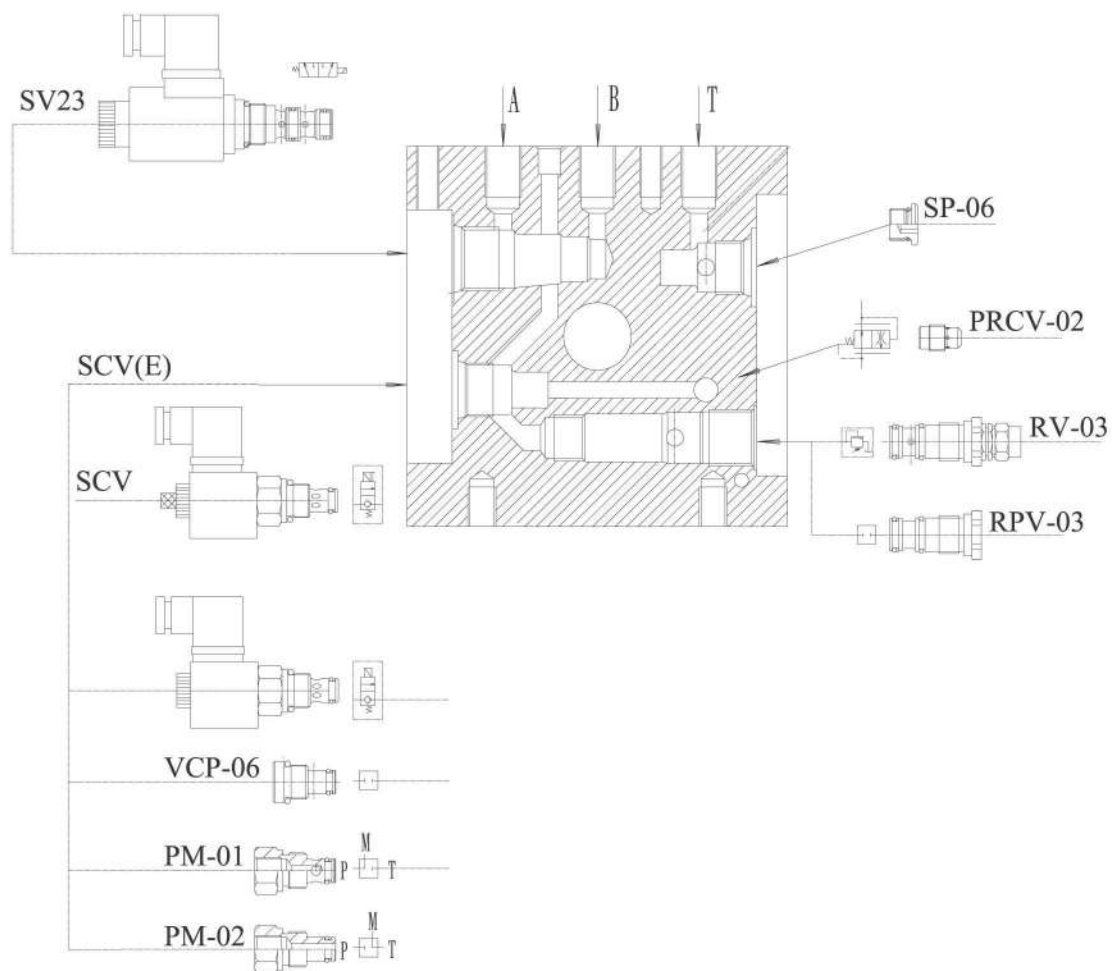
Loosen the tight nut—— with 5mm socket screw wrench, turn right for pressure up; turn left for pressure down——tighten the nut after adjustment operation.

4. Fitting part of Item 7: Pressure Compensated Down-Speed Control Valve **RPCV**

Optional type with different flow rate

CMC2 中心阀块 Center Manifold

五、部件选配图 Cartaridge Valves Option

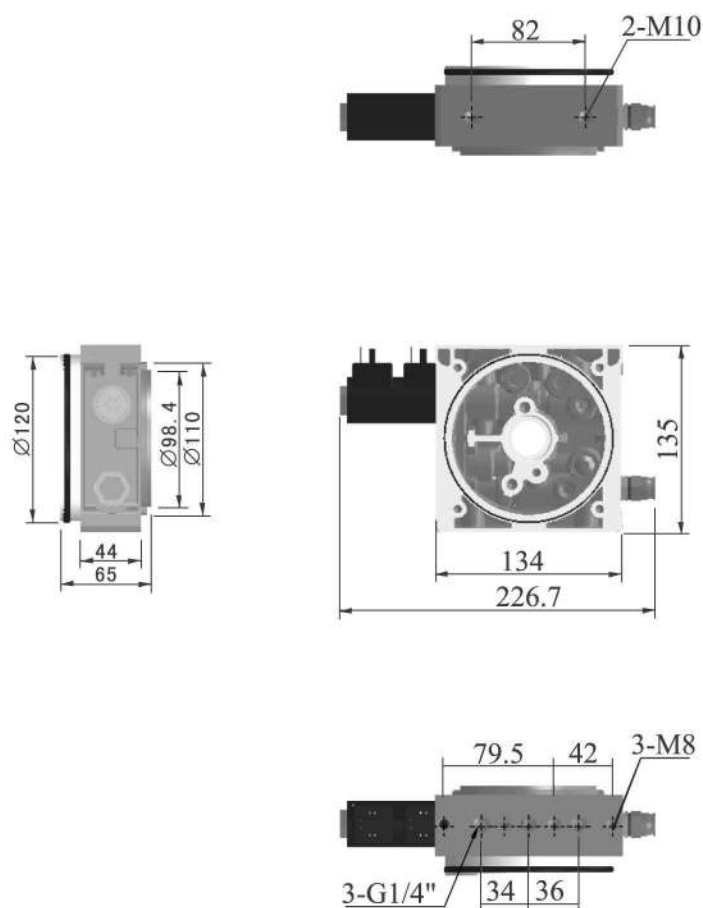


CMC3 中心阀块 Center Manifold

CMC3中心阀块，选用优质铝合金精密铸造而成，为实现规模化生产创造了条件。三位四通插装式电磁阀在此阀块上应用，减少空间、组装方便、性能优越、操作简单、专业性强。
适用液压原理图：10、12

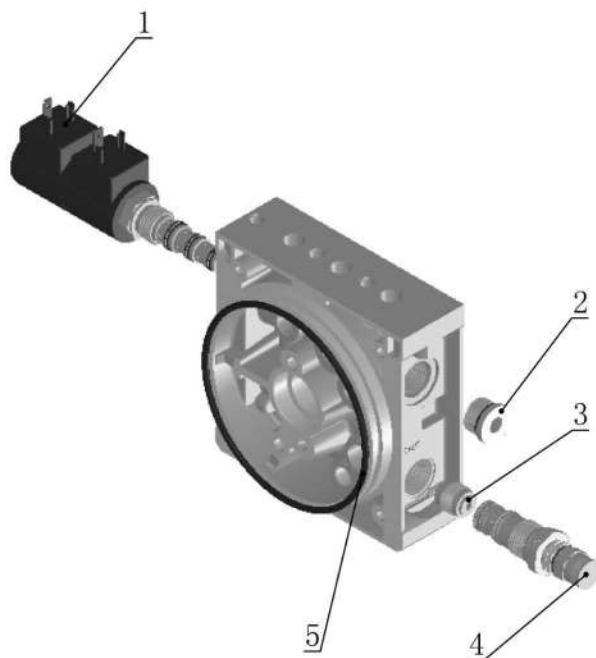
Pressure Casting Technology processing, the essential base for mass-production, adoption of high quality characteristic aluminum alloy material, advanced technology of the alloy refinement and heat treatment.
Adoption of the cartridge type 3 position - 4way solenoid directional valve to make the fitting space reduction. Convenient assembly, simply operation, stability performance, practical design and function.
Application available of the hydraulics schematic: 10, 12

一、外形尺寸图 Outline Dimensions



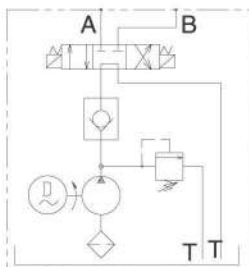
CMC3 中心阀块 Center Manifold

二、爆炸图 Exploded Drawing



序号 Item	部件名称 Part name	代码 Part code
1	三位四通电磁阀 Three of four solenoid valve	SV34
2	铁堵头 Steel Plug	SP-06
3	单向阀 Check valve	CV-02
4	溢流阀 Relief valve	RV-03
5	O型圈 O-ring	Ø112x4

三、典型原理图 Hydraulic Schematic



四、使用说明 Operation Directions

- 三位四通电磁阀SV34图示1号零件
- 调压阀RV-03图示4号零件：出厂时压力已调节好请不要随意调节。需要调节压力时，松开锁紧螺母。
 - 用5mm内六角扳手，右旋增加压力，左旋减少压力。
 - 压力调节合适后，请锁紧螺母。

1. Fitting part of Item 1: 3 Position-4 Way Solenoid directional Valve **SV34**

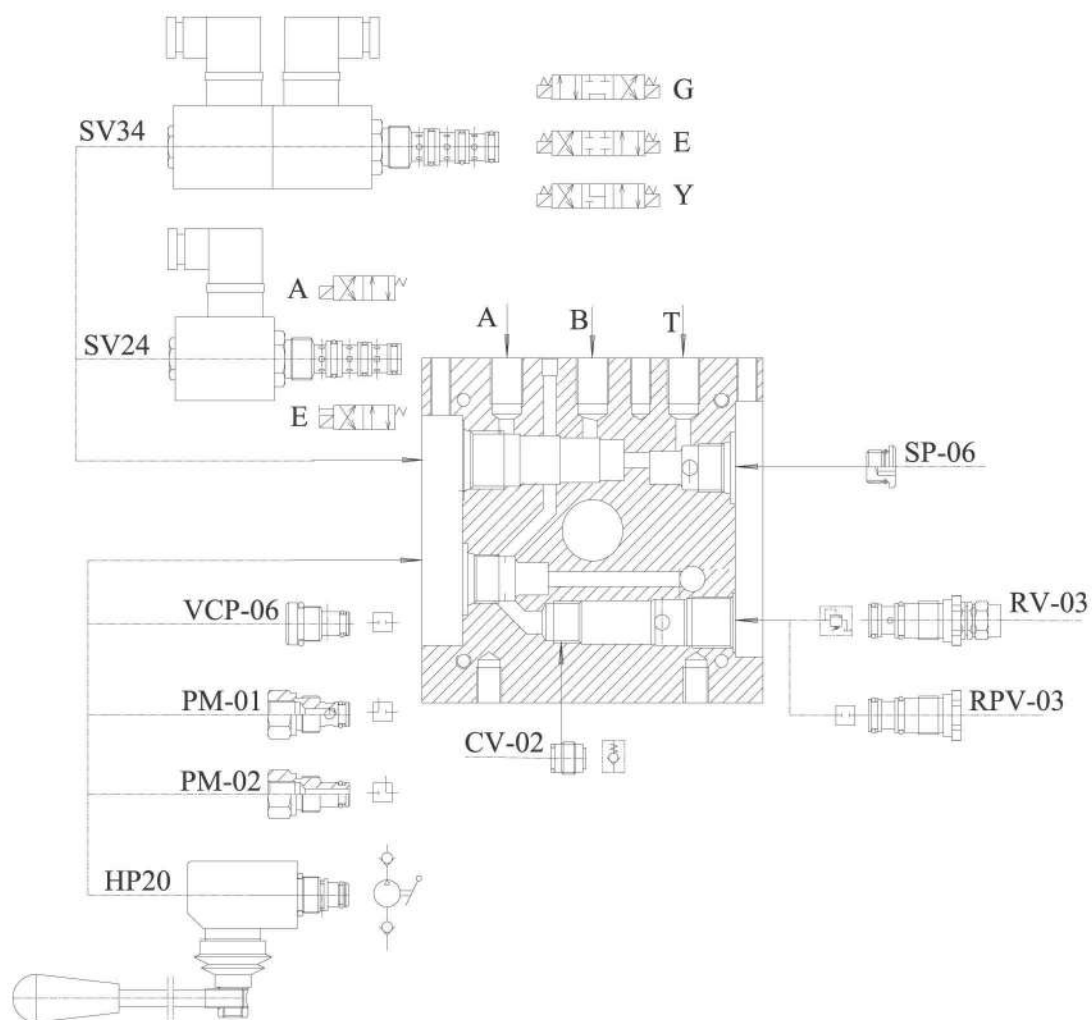
2. Fitting part of Item 4: Relief Valve **RV-03**

The pressure has been adjusted in regular data in delivery inspection, and user self-adjusting is forbidden for this valve. For necessary adjustment by expert operation guiding:

Loosen the tight nut— with 5mm socket screw wrench, turn right for pressure up; turn left for pressure down—tighten the nut after adjustment operation.

CMC3 中心阀块 Center Manifold

五、部件选配图 Cartaridge Valves Option



CMD1 中心阀块 Center Manifold

CMD1中心阀块, 选用优质铝合金精密铸造而成, 为实现规模化生产创造了条件。一般与380V、220V、110V等铝壳交流电机组组合, 组装方便, 性能优越, 操作简单, 专业性强。

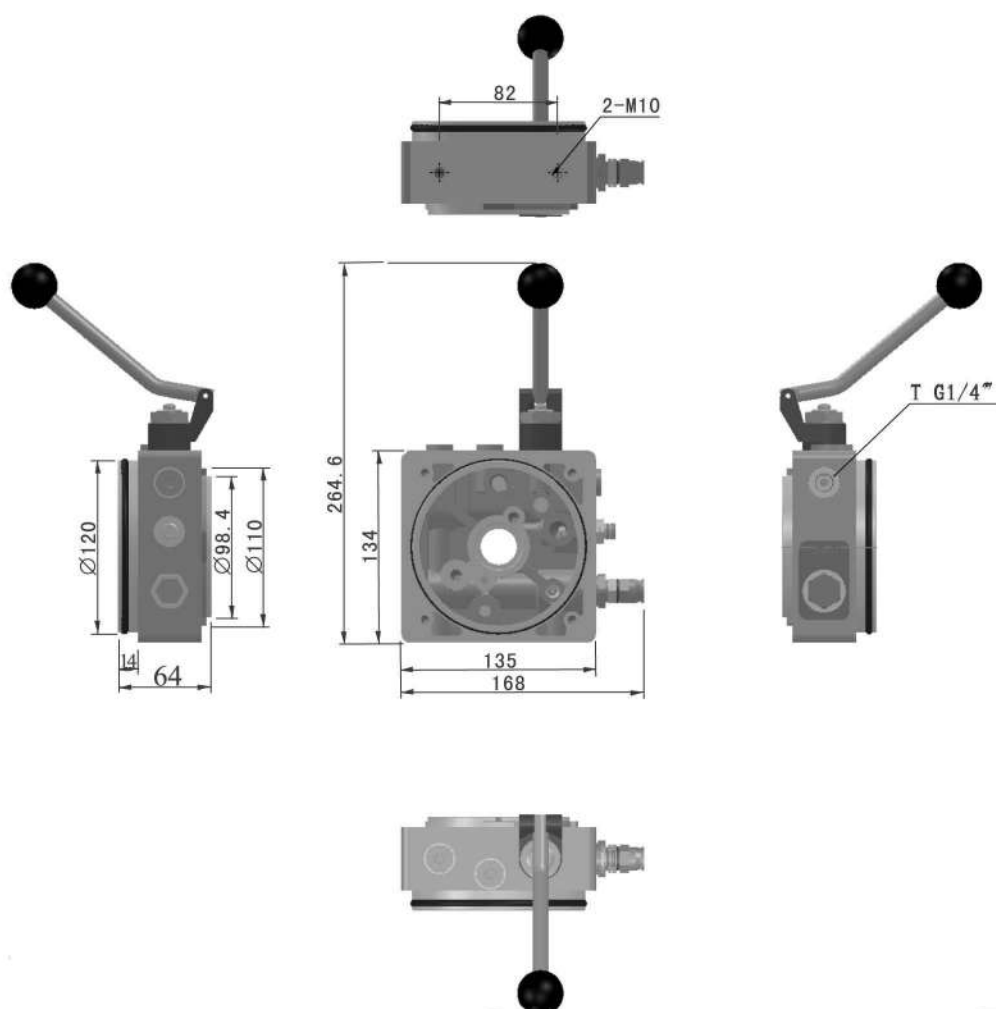
适用液压原理图: 01、02、03、05、21、22、23、24、27、28

Pressure Casting Technology processing, the essential base for mass-production, adoption of high quality characteristic aluminum alloy material, advanced technology of the alloy refinement and heat treatment. Convenient assembly, simply operation, stability performance, practical design and function.

Commonly match with aluminum case AC motor of voltage: 380V, 220V, 110V.

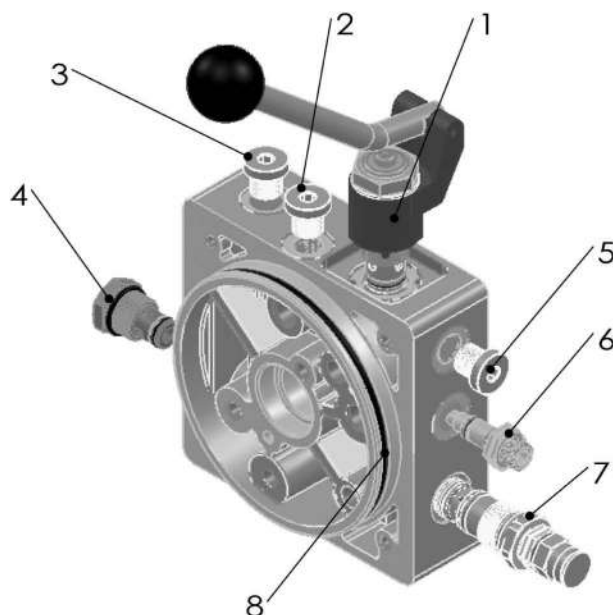
Application available of the hydraulics schematic: 01、02、03、05、21、22、23、24、27、28

一、外形尺寸图 Outline Dimensions



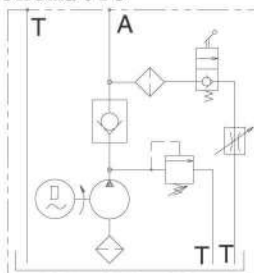
CMD1 中心阀块 Center Manifold

二、爆炸图 Exploded Drawing



序号 Item	部件名称 Part name	代码 Part code
1	Manual valve	MV-01
	手动阀	
2	铁堵头	SP-02
	Steel Plug	
3	铁堵头	SP-02
	Steel Plug	
4	单向阀	CV-01
	check valve	
5	塑料堵头	PP-02
	Plastic plug	
6	节流阀	FCV-02
	Flow control valve	
7	溢流阀	RV-03
	Relief valve	
8	O型圈	φ 112X4
	O-ring	

三、典型原理图 Hydraulic Schematic



四、使用说明 Operation Directions

- 二位二通手动阀MV-01图示1号零件操作时向下按为放油卸压, 松开为保压正常工作
- 下降节流阀图示6号零件: 调节时松开锁紧螺母, 用6mm内六角扳手调节, 右旋为减小流量, 左旋为增大流量, 流量调节合适后, 请锁紧螺母。
- 调压阀RV-03图示7号零件: 出厂时压力已调节好请不要随意调节。需要调节压力时, 松开锁紧螺母。
 - 用3mm内六角扳手, 右旋增加压力, 左旋减少压力。
 - 压力调节合适后, 请锁紧螺母。

1. Fitting part of Item 1: 2 Position-2 Way Manual Release Valve MV-01

Push and down to make the pressure released and the oil return to tank; loose and free state: pressure holding and the oil working.

2. Fitting part of Item 6: Adjustable Down-Speed Control Valve FCV-02

For necessary adjustment by expert operation guiding:

Loosen the tight nut—— with 6mm socket screw wrench, turn right for Flow Rate down; turn left for Flow Rate up —— tighten the nut after adjustment operation.

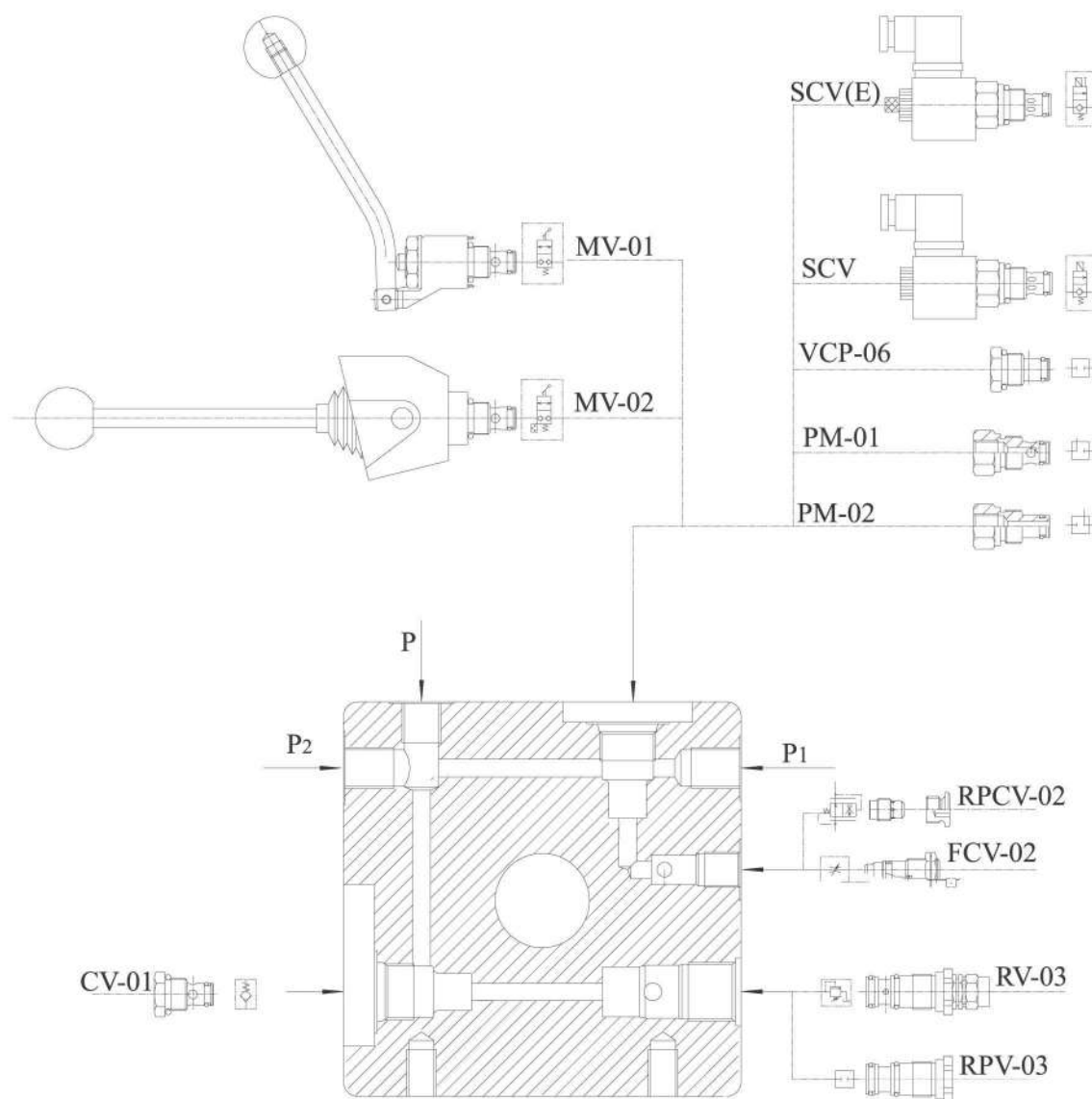
3. Fitting part of Item 7: Relief Valve RV-03

The pressure has been adjusted in regular data in delivery inspection, and user self- adjusting is forbidden for this valve. For necessary adjustment by expert operation guiding:

Loosen the tight nut—— with 5mm socket screw wrench, turn right for pressure up; turn left for pressure down——tighten the nut after adjustment operation.

CMD1 中心阀块 Center Manifold

五、部件选配图 Cartaridge Valves Option

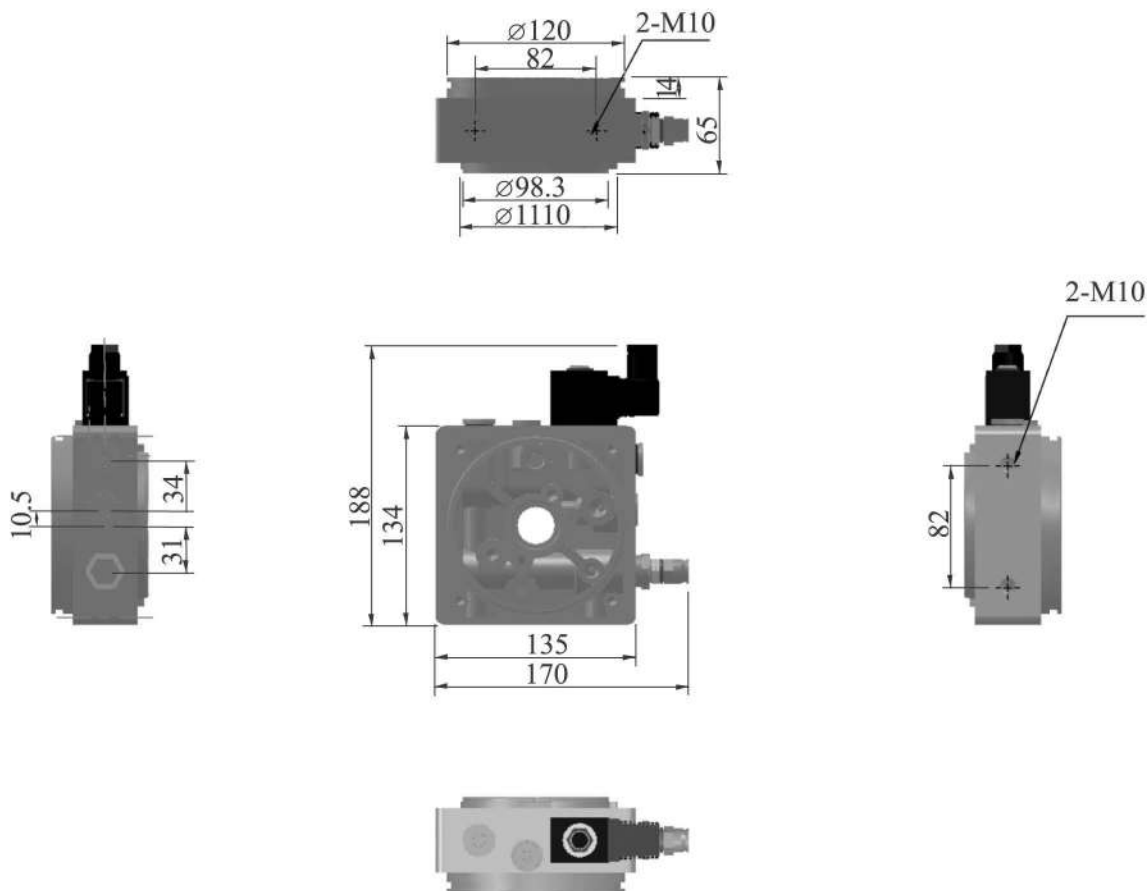


CMD2 中心阀块 Center Manifold

CMD2中心阀块，选用优质铝合金精密铸造而成，为实现规模化生产创造了条件。一般与DC12V、DC24V、AC380V、AC220V等交、直流电机组合，具备了两个安装面，方便了客户使用。1和4两个压力油口可任选。组装方便，性能优越，操作简单，适应性强。
适用液压原理图：02、21、22、23、24、27、28

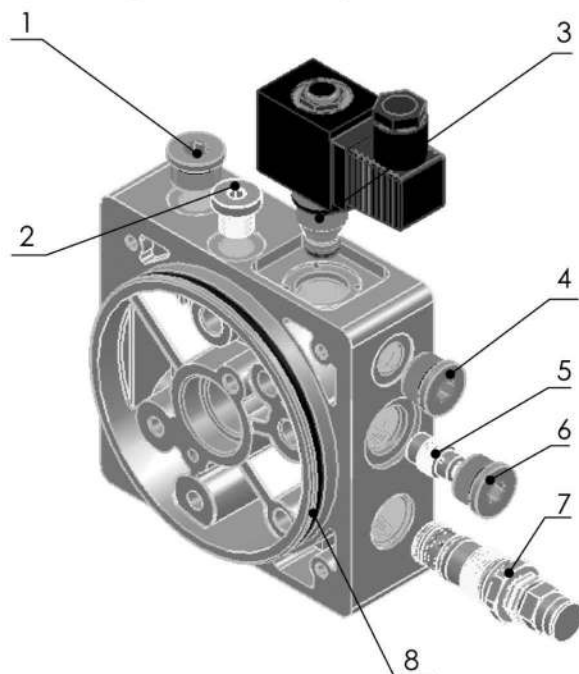
Pressure Casting Technology processing, the essential base for mass-production, adoption of high quality characteristic aluminum alloy material, advanced technology of the alloy refinement and heat treatment. Especially design for the application of two mounting face and two pressure oil port. Convenient assembly, simply operation, stability performance, practical function. Commonly match with aluminum case AC motor of 380V, 220V, or DC Motor of 12V, 24V.
Application available of the hydraulics schematic: 02、21、22、23、24、27、28

一、外形尺寸图 Outline Dimensions



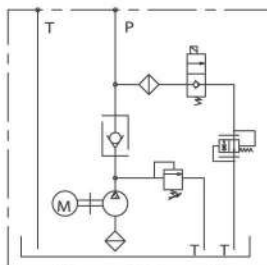
CMD2 中心阀块 Center Manifold

二、爆炸图 Exploded Drawing



序号 Item	部件名称 Part name	代码 Part code
1	铁堵头 Steer Plug	SP-03
2	铁堵头 Steel Plug	SP-02
3	电磁阀 Solenoid valve	SCV
4	塑料堵头 Plastic plug	PP-03
5	压力补偿节流阀 pressure compensation valve	RPCV-02
6	铁堵头 Steel Plug	SP-06
7	溢流阀 Relief valve	RV-03
8	O型圈 O-ring	φ 112x4

三、典型原理图 Hydraulic Schematic



四、使用说明 Operation Directions

1、二位三通附手动、电磁阀SCV (E) 图示3号零件

- ① 应急按钮如果是红色的，操作时向内按往右旋为保压正常工作。向内按往左旋为松开放油、卸压。
- ② 应急按钮如果是黄色的，操作时直接右旋为旋紧保压正常工作，直接左旋为松开放油。

2、压力流量补偿阀图示5号零件

3、调压阀RV-03图示7号零件：出厂时压力已调节好请不要随意调节，需要调节压力时，松开锁紧螺母。

- ① 用3mm内六角扳手，右旋增加压力，左旋减少压力。

- ② 压力调节合适后，请锁紧螺母。

1. Fitting part of Item 1: 2 Position-2 Way Solenoid Release Valve with emergency push button SCV (E)

①With red emergency push button:

Push and turn right down: pressure holding and oil working

Push and turn left: pressure released and oil returning to the tank..

②With yellow emergency push button:

Directly turn right down: pressure holding and oil working.

Directly turn left: pressure released and oil returning to the tank..

2. Fitting part of Item 5: Pressure Compensated Down-Speed Control Valve RPCV-02

Optional type with different flow rate

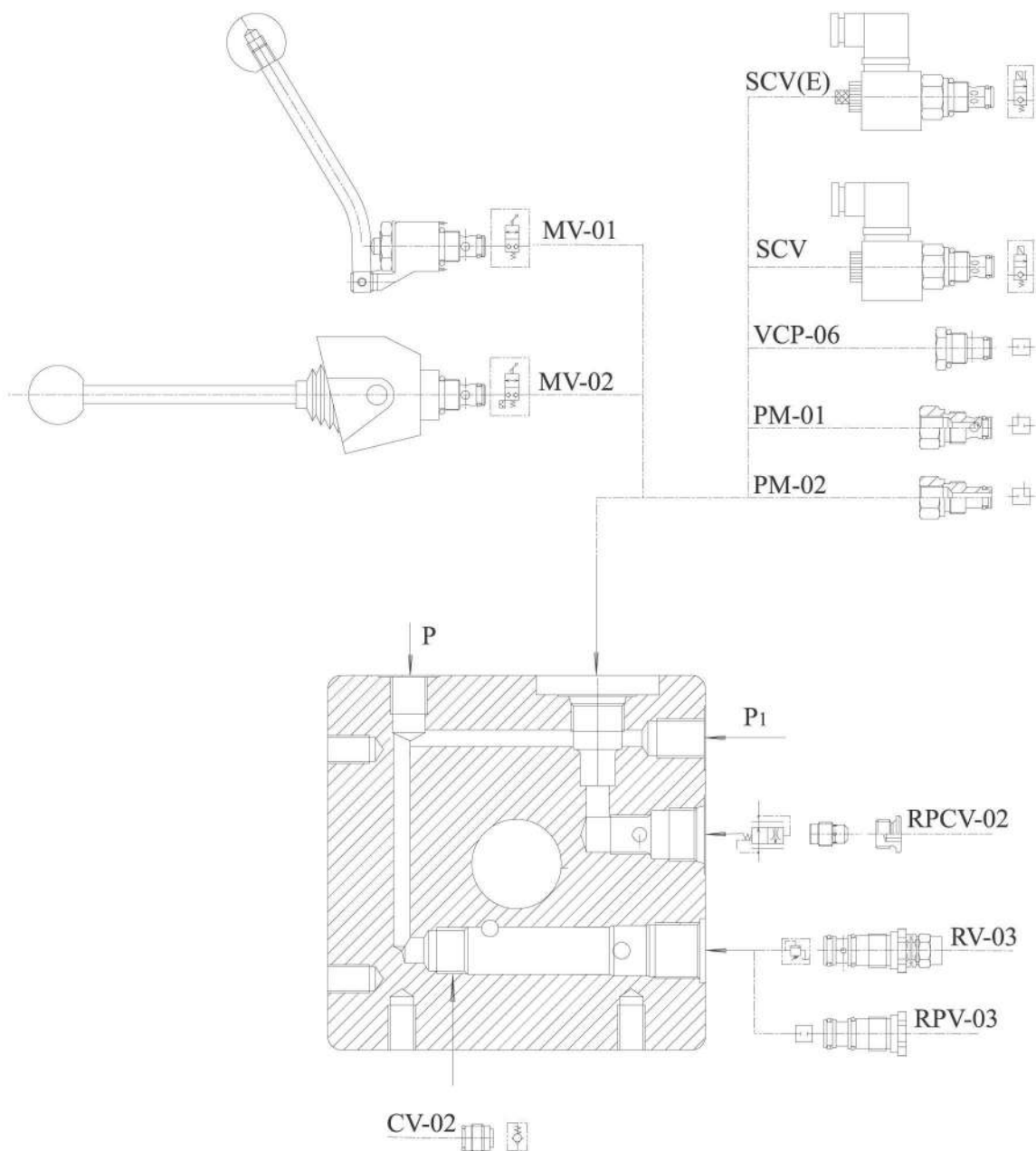
3. Fitting part of Item 7: Relief Valve RV-03

The pressure has been adjusted in regular data in delivery inspection, and user self- adjusting is forbidden for this valve. For necessary adjustment by expert operation guiding:

Loosen the tight nut— with 5mm socket screw wrench, turn right for pressure up; turn left for pressure down—tighten the nut after adjustment operation.

CMD2 中心阀块 Center Manifold

五、部件选配图 Cartaridge Valves Option



CMD3 中心阀块 Center Manifold

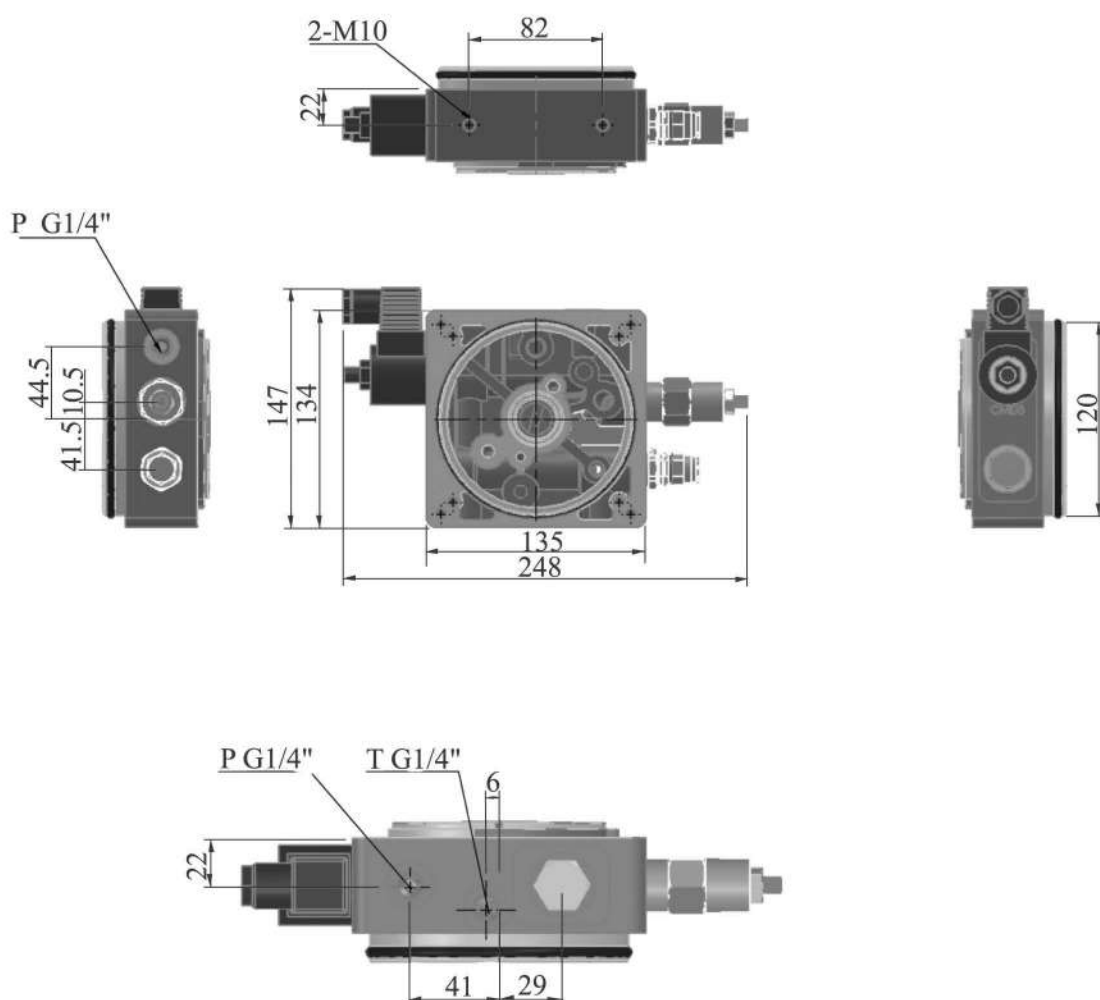
CMD3中心阀块，选用优质铝合金精密铸造而成，为实现规模化生产创造了条件。一般与DC12V、DC24V、AC380V、AC220V等交、直流电机组组合，与CBK型齿轮泵配合使用组装方便，性能优越，操作简单，适应性强。
适用液压原理图：24、27、28

Pressure Casting Technology processing, the essential base for mass-production, adoption of high quality characteristic aluminum alloy material, advanced technology of the alloy refinement and heat treatment. Convenient assembly, simply operation, stability performance, practical function.

Commonly match with aluminum case AC motor of 380V, 220V, or DC Motor of 12V, 24V.

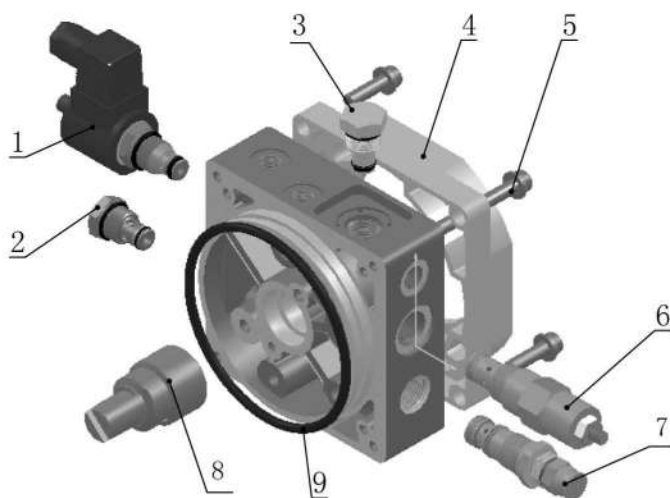
Application available of the hydraulics schematic: 24、27、28

一、外形尺寸图 Outline Dimensions



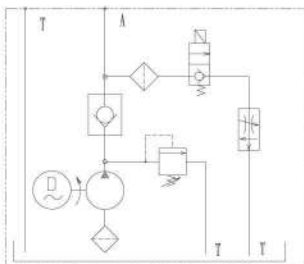
CMD3 中心阀块 Center Manifold

二、爆炸图 Exploded Drawing



序号 Item	部件名称 Part name	代码 Part code
1	电磁阀 Solenoid valve	SCV (E)
2	单向阀 Check valve	CV-01
3	单向阀堵头 Check valve Plug	VCP-06
4	电机接盘 Adaptor flange	FMC-90
5	螺栓组件 Bolt assembly	M8X30
6	可调压补阀 Adjustable Pressure Compensated valve	RPCV-04
7	调压阀 Pressure valve	RV-03
8	联轴器 Coupling	ACP-645
9	O型圈 O-ring	Φ 112X4

三、典型原理图 Hydraulic Schematic



四、使用说明 Operation Directions

1、二位三通附手动电磁阀SCV (E) 图示1号零件

- ① 应急按钮如果是红色的，操作时向内按往右旋为正常工作。向内按往左旋为松开放油、卸压。
- ② 应急按钮如果是黄色的，操作时直接右旋为旋紧保压。直接左旋为松开放油、卸压。

2、可调压补阀图示6号零件：RPCV-04调节流量时，松开锁紧螺母，

- ① 用4mm内六角扳手，右旋增加流量，下降速度增快；左旋减少流量，下降速度减慢。
- ② 流量调节合适后，请锁紧螺母。

3、调压阀RV-03图示7号零件：出厂时压力已调节好请不要随意调节。需要调节压力时，松开锁紧螺母。

- ① 用5mm内六角扳手，右旋增加压力。左旋减少压力。
- ② 压力调节合适后，请锁紧螺母。

1. Fitting part of Item 1: 2 Position-2 Way Solenoid Release Valve with emergency push button SCV (E)

- ① With red emergency push button: Push and turn right down: pressure holding and oil working Push and turn left: pressure released and oil returning to the tank..
- ② With yellow emergency push button: Directly turn right down: pressure holding and oil working. Directly turn left: pressure released and oil returning to the tank..

2. Fitting part of Item 6: Flow rate Adjustable Pressure Compensated Down-Speed Control Valve RPCV-04

For necessary adjustment by expert operation guiding:
Loosen the tight nut— with 4mm socket screw wrench, turn right for Flow Rate up and Down-Speed fast; turn left for Flow Rate down and Down-Speed slow— tighten the nut after adjustment operation.

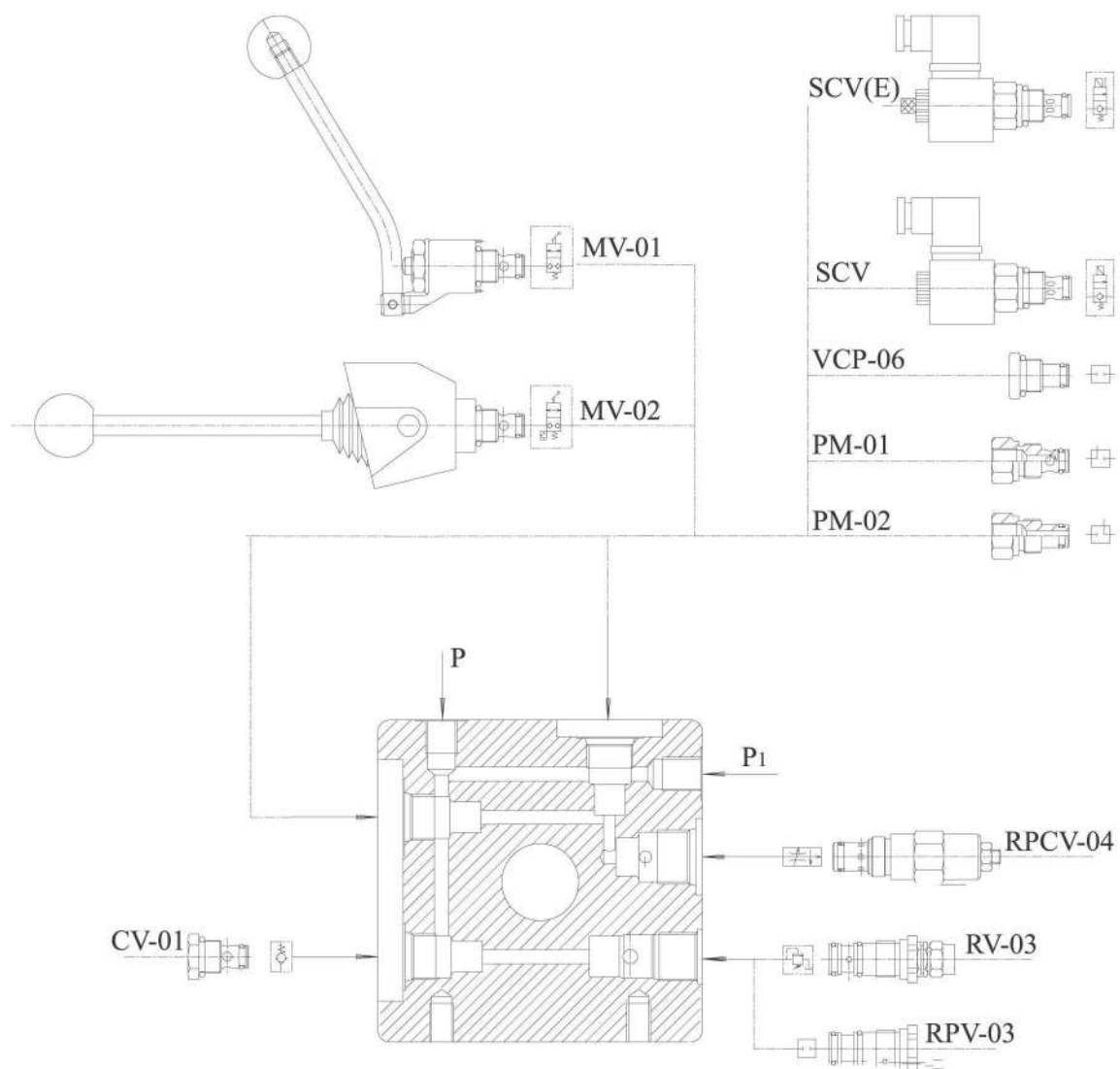
3. Fitting part of Item 7: Relief Valve RV-03

The pressure has been adjusted in regular data in delivery inspection, and user self- adjusting is forbidden for this valve. For necessary adjustment by expert operation guiding:

Loosen the tight nut— with 5mm socket screw wrench, turn right for pressure up; turn left for pressure down—tighten the nut after adjustment operation.

CMD3 中心阀块 Center Manifold

五、部件选配图 Cartaridge Valves Option



CME 中心阀块 Center Manifold

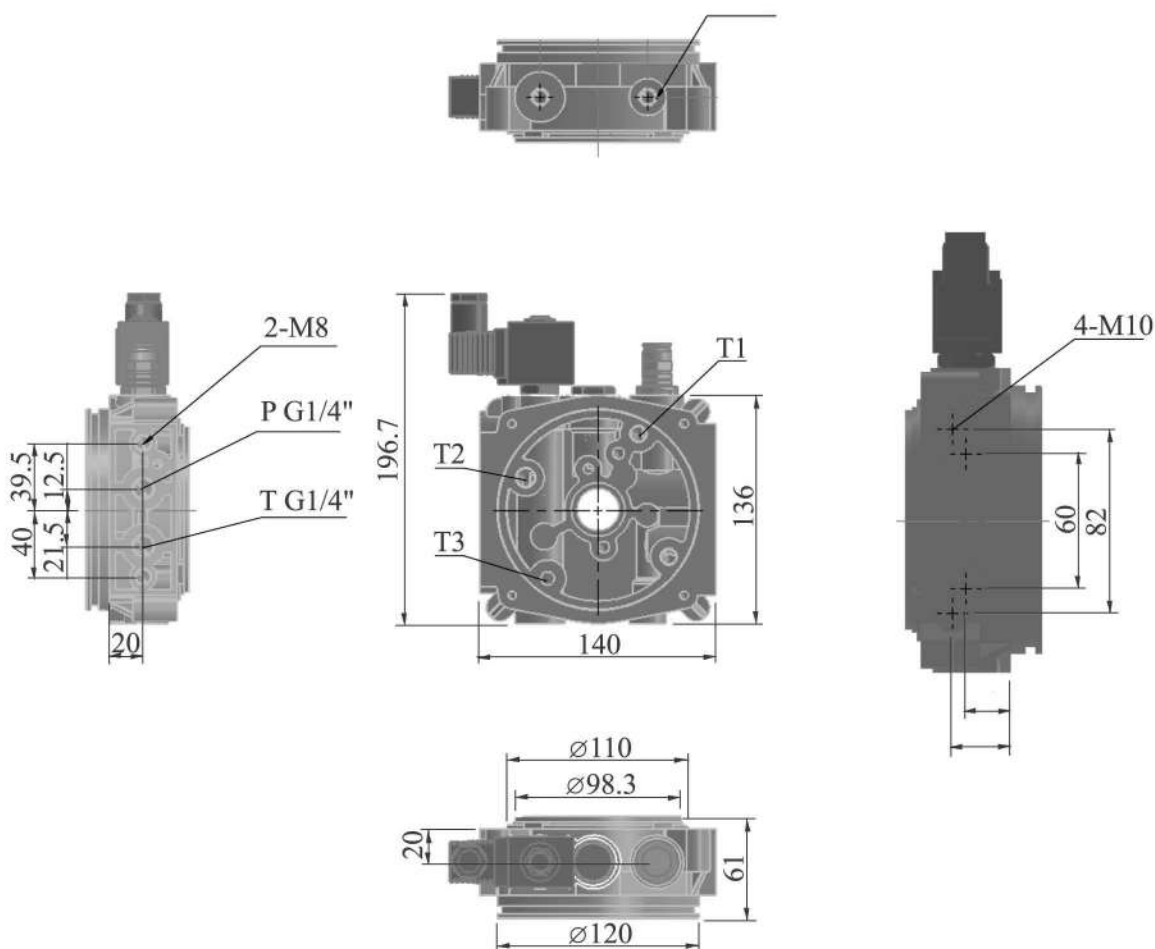
CME中心阀块，选用优质铝合金精密铸造而成，为实现规模化生产创造了条件。具有两个安装面，功能阀集中在一个侧面，油口面与CMC保持一致。组装方便、性能优越、操作简单、适应性强。

适用液压原理图：01、02、08、10、11、12、13、14、21、22、26、27

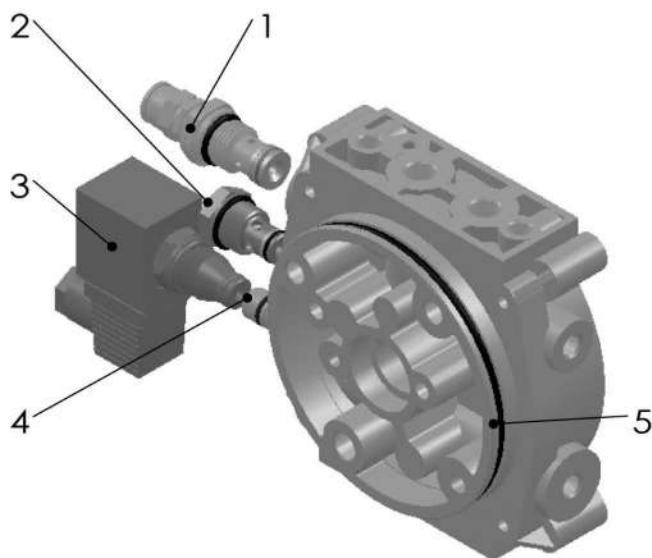
Pressure Casting Technology processing, the essential base for mass-production, adoption of high quality characteristic aluminum alloy material, advanced technology of the alloy refinement and heat treatment. Especially design for the application of two mounting face, control valves fitted on one face and the pressure oil port position is as the same as the CMC manifold. Convenient assembly, simply operation, stability performance, practical function. Commonly match with aluminum case AC motor

Application available of the hydraulics schematic: 01、02、08、10、11、12、13、14、21、22、26、27

一、外形尺寸图 Outline Dimensions

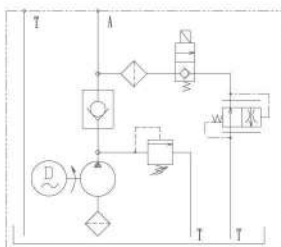


二、爆炸图 Exploded Drawing



序号 Item	部件名称 Part name	代码 Part code
1	溢流阀 Relief valve	RV-02
2	单向阀 check valve	CV-01
3	电磁阀 Solenoid valve	SCV (E)
4	压力补偿节流阀 pressure compensation valve	RPCV-01
5	O型圈 O-ring	Φ112X4

三、典型原理图 Hydraulic Schematic



四、使用说明 Operation Directions

1、二位三通附手动、电磁阀SCV (E) 图示3号零件

- ① 应急按钮如果是红色的，向内按往右旋为保压正常工作。向内按往左旋为松开放油、卸压。
- ② 应急按钮如果是黄色的，操作时直接右旋为旋紧保压正常工作，卸压直接左旋为松开放油。

2、压力流量补偿阀RPCV-01图示4号零件

3、调压阀RV-02图示1号零件：出厂时压力已调节好请不要随意调节，需要调节压力时，松开锁紧螺母。

- ① 用螺丝刀，右旋增加压力，左旋减少压力
- ② 压力调节合适后，请锁紧螺母。

1. Fitting part of Item 3: 2 Position-2 Way Solenoid Release Valve with emergency push button SCV (E)

①With red emergency push button:

Push and turn right down: pressure holding and oil working

Push and turn left: pressure released and oil returning to the tank..

②With yellow emergency push button:

Directly turn right down: pressure holding and oil working.

Directly turn left: pressure released and oil returning to the tank..

2. Fitting part of Item 4: Pressure Compensated Down-Speed Control Valve RPCV-01

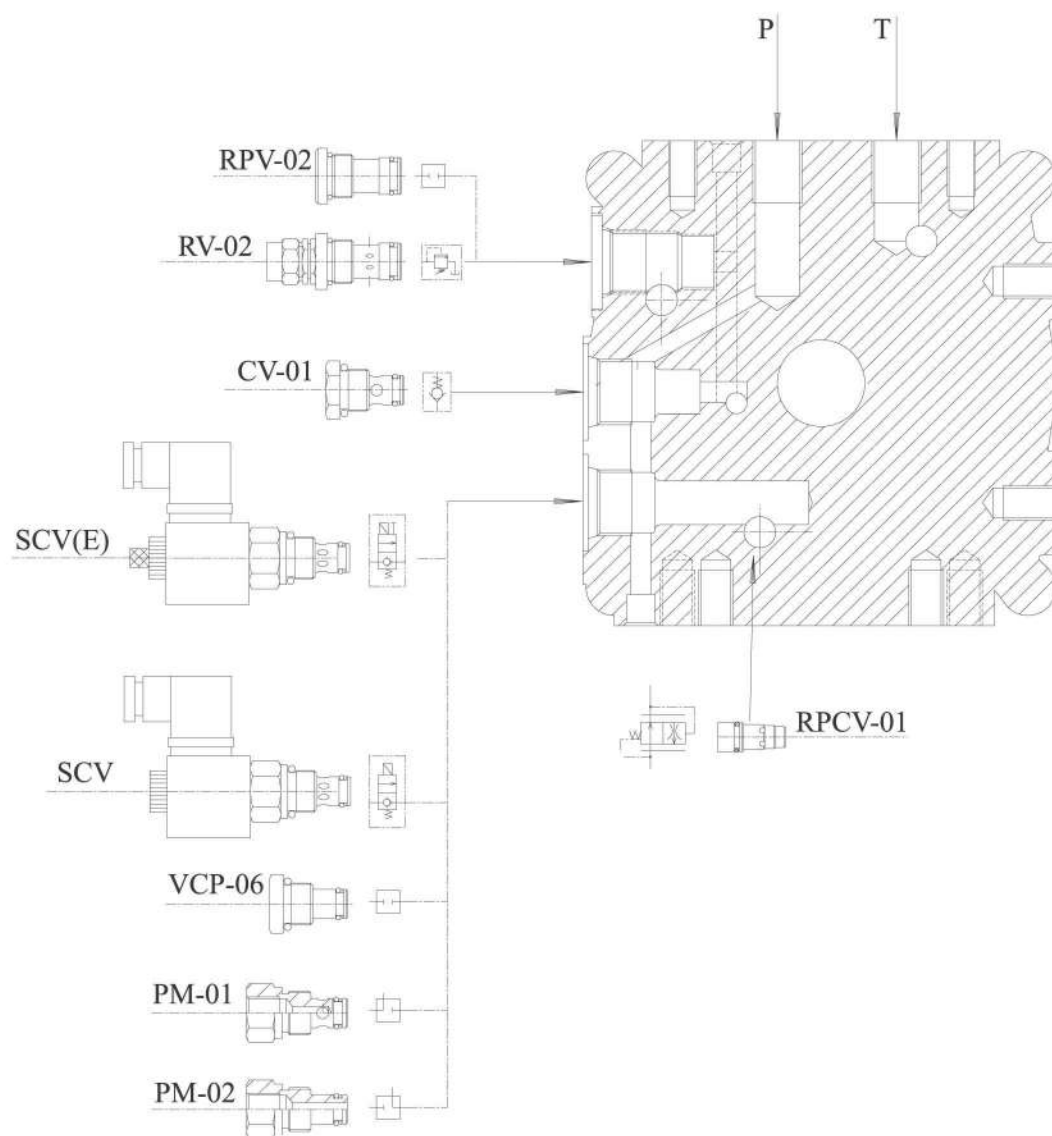
Optional type with different flow rate

3. Fitting part of Item 1: Relief Valve RV-02

The pressure has been adjusted in regular data in delivery inspection, and user self- adjusting is forbidden for this valve. For necessary adjustment by expert operation guiding:

Loosen the tight nut— with screw wrench, turn right for pressure up; turn left for pressure down—tighten the nut after adjustment operation.

五、部件选配图 Cartaridge Valves Option



CMF 中心阀块 Center Manifold

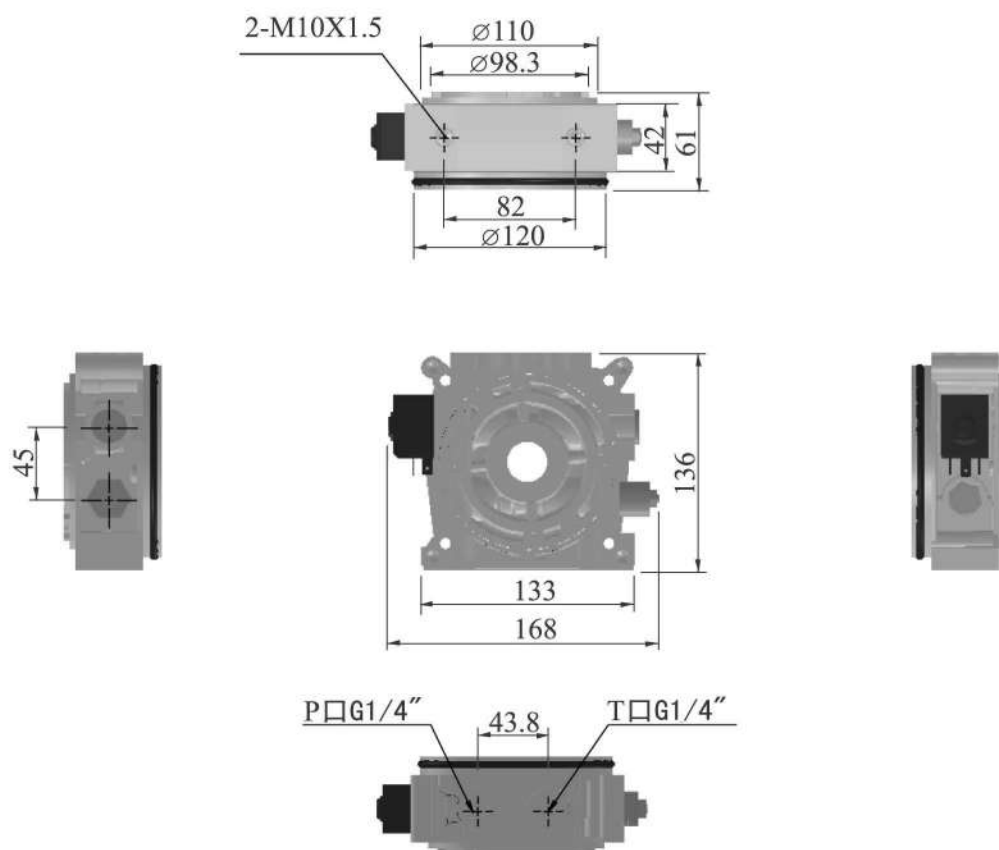
CMF中心阀块，选用优质铝合金精密铸造而成，为实现规模化生产创造了条件。广泛应用于电动堆高机、剪式升降机等领域，组装方便，性能优越，操作简单，适应性强。

适用液压原理图：01、02、8、10、11、12、13、14、21、25、26、27

Pressure Casting Technology processing, the essential base for mass-production, adoption of high quality characteristic aluminum alloy material, advanced technology of the alloy refinement and heat treatment. Widely applied on Electric stacker and Car-lift. Convenient assembly, simply operation, stability performance, practical function.

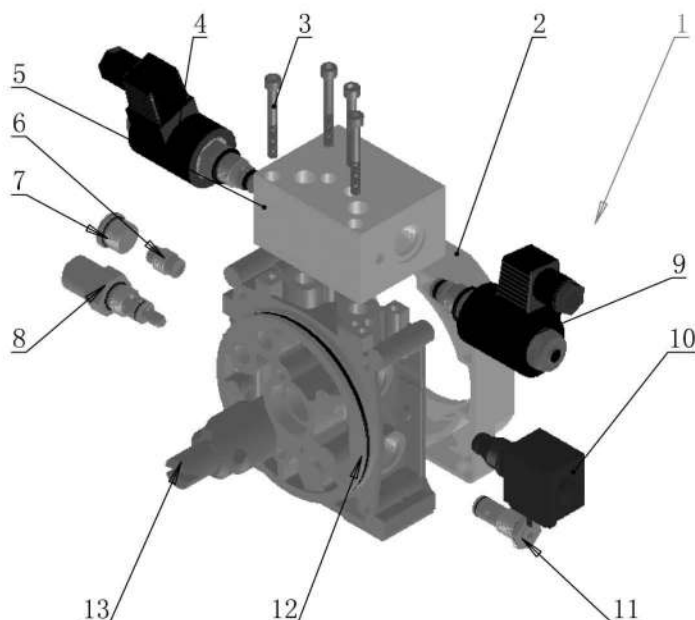
Application available of the hydraulics schematic: 01、02、8、10、11、12、13、14、21、25、26、27

一、外形尺寸图 Outline Dimensions



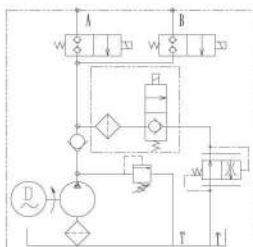
CMF 中心阀块 Center Manifold

二、爆炸图 Exploded Drawing



序号 Item	部件名称 Part name	代码 Part code
1	内六角螺栓组件 Hexagon bolt components	M8x30
	电机接盘 Motor access plate	
2	内六角螺栓 Hexagon bolt	M6X50
	双向止回电磁阀 Double check release valve	
3	叠加块 Block stacking	MB-42
	压力流量补偿阀 pressure compensation valve	
4	铁堵头 Steel plug	SP-06
	溢流阀 Relief valve	
5	双向止回电磁阀 Double check release valve	SDV (E)
	电磁阀 Solenoid valve	
6	单向阀 One-way valve	CV-04
	0型圈 O-ring	
7	联轴器 Coupling	ACP-645

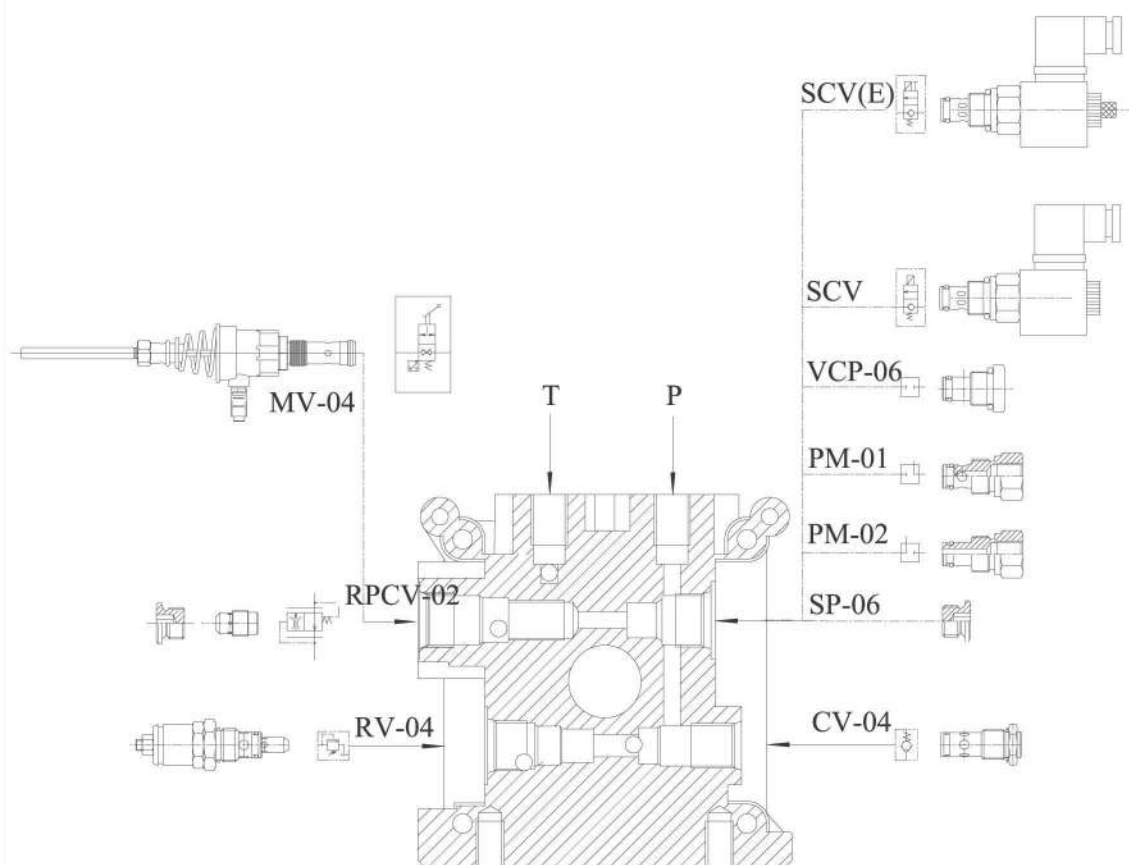
三、典型原理图 Hydraulic Schematic



四、使用说明 Operation Directions

- 二位三通附手动、电磁阀SCV (E) 图示10号零件
 - ① 应急按钮如果是红色的，操作时向内按往右旋为保压正常工作，向内按往左旋为松开放油、卸压。
 - ② 应急按钮如果是黄色的，操作时直接右旋为旋紧保压正常工作，操作时直接左旋为松开放油、卸压。
- 二位三通附手动双向止回阀SDV (E) 图4、9号零件，正常情况下保压；用5mm内六角扳手往内按为放油卸压。
- 压力流量补偿阀图示6号零件
- 调压阀RV-04图示8号零件：出厂时压力已调节好请不要随意调节，需要调节压力时，松开锁紧螺母。
 - ① 用3mm内六角扳手，右旋增加压力，左旋减少压力。
 - ② 压力调节合适后，请锁紧螺母。
- MB-14叠加块属选用件，配叠加阀使用。
 - 1. Fitting part of Item 10:** 2 Position-2 Way Solenoid Release Valve with emergency push button **SCV (E)**
 - ① With red emergency push button: Push and turn right down: pressure holding and oil working Push and turn left: pressure released and oil returning to the tank..
 - ② With yellow emergency push button: Directly turn right down: pressure holding and oil working. Directly turn left: pressure released and oil returning to the tank..
 - 2. Fitting part of Item 4 and Item 9:** 2 Position-2 Way Double Check Solenoid Release Valve with emergency push button **SDV (E)**
Emergency push button operation guiding: with 5mm socket screw wrench, push in to make the pressure released and the oil return to oil tank.
 - 3. Fitting part of Item 6:** Pressure Compensated Down-Speed Control Valve **RPCV-01** Optional type with different flow rate
 - 4. Fitting part of Item 8:** Relief Valve **RV-04**
The pressure has been adjusted in regular data in delivery inspection, and user self-adjusting is forbidden for this valve. For necessary adjustment by expert operation guiding:
Loosen the tight nut—— with 3mm socket screw wrench, turn right for pressure up; turn left for pressure down——tighten the nut after adjustment operation.
 - 5. Fitting part of Item 5:** operational match part for the fitting of modular valve (Cetop valve) **MB41 MB42**

五、部件选配图 Cartaridge Valves Option



CML 中心阀块 Center Manifold

CML中心阀块，选用优质铝合金精密铸造而成，为实现规模化生产创造了条件。一般与AC380V、AC220V等交流电机组组合，专业性强，组装方便，性能优越，专业性强。

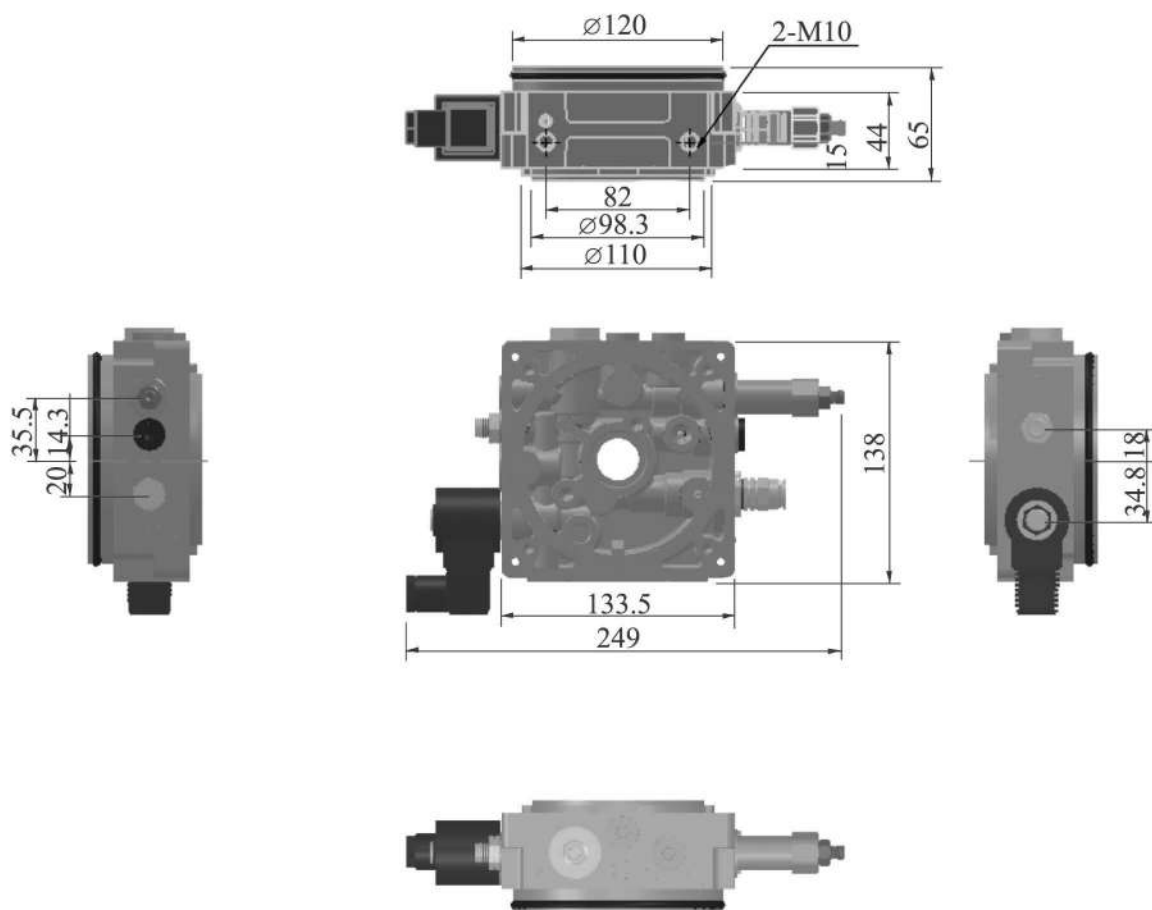
适用液压原理图：19

Pressure Casting Technology processing, the essential base for mass-production, adoption of high quality characteristic aluminum alloy material, advanced technology of the alloy refinement and heat treatment. Convenient assembly, simply operation, stability performance, practical function.

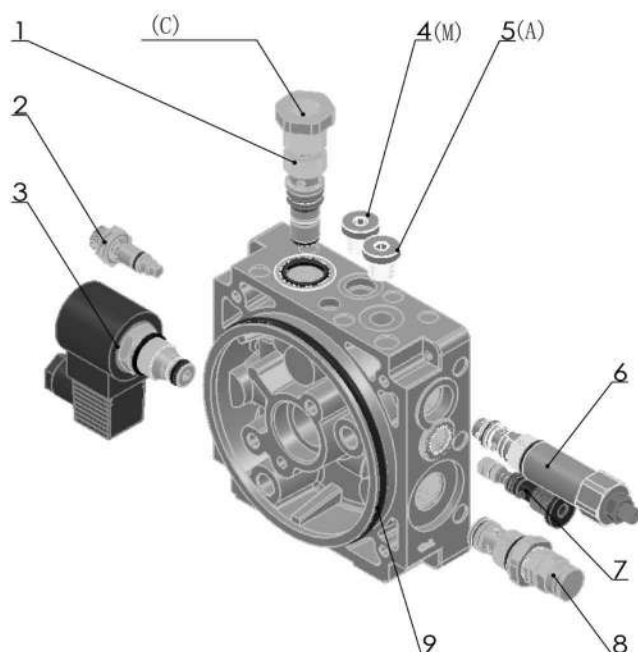
Commonly match with aluminum case AC motor of 380V or 220V

Application available of the hydraulics schematic: 19

一、外形尺寸图 Outline Dimensions

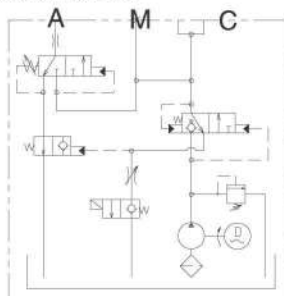


二、爆炸图 Exploded Drawing

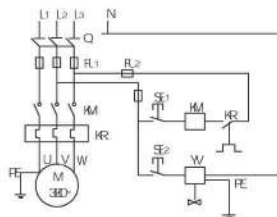


序号 Item	部件名称 Part name	代码 Part code
1	梭阀 Shuttle valve	STV
2	节流阀 flow control valve	FCV-02
3	电磁阀 Solenoid valve	SCV
4	铁堵头 Steel plug	SP-02
5	塑料堵头 Plastic plug	PP-02
6	顺序阀 Sequence Valve	SQV
7	液控单向阀 Pilot controlled check valve	PCCV
8	Relief valve 溢流阀	RV-02
9	0型圈 O-ring	φ 112x4

三、典型原理图 Hydraulic Schematic



四、电路图 Wiring Diagram



五、使用说明 Operation Directions

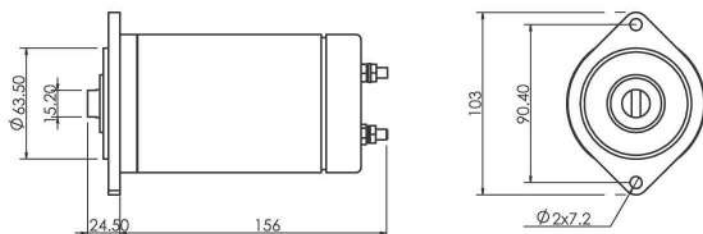
此类动力单元专门设计应用于固定式及移动式码头桥架,在系列液压阀控制下,主、副油缸支持登车桥主板及靠板呈顺序化动作,在平台与装载车之间形成一平滑稳定的斜桥以满足整车上下装卸货物的需要。

The unit is especially designed for Stationary or Mobile Dock/Leveler, Under the controlling of sequential hydraulic valves, the master cylinder and slave cylinder operating the ramp to tilt up and down; the lip falling automatically, So as to form a smooth transition plate between the Dock and the Carrier.

直流电机

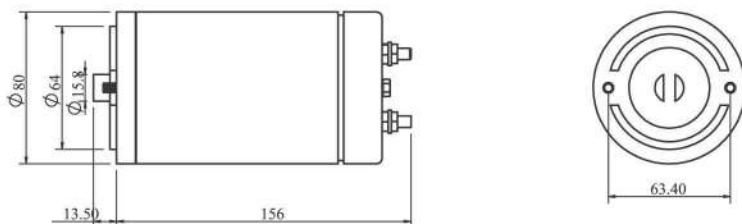
DC Motor

序号 item	订货代码 order code	额定电压 rated voltage	额定功率 nominal power	额定转速 rotation speed	力矩 torque	转向 rotation direction	工作制 operation mode
A1E	MD12080AE	12V	0.8KW	3800rpm	3N. M	顺时针 (CW)	S3=10%
A2E	MD24080AE	24V	0.8KW	3800rpm	3N. M	顺时针 (CW)	S3=10%



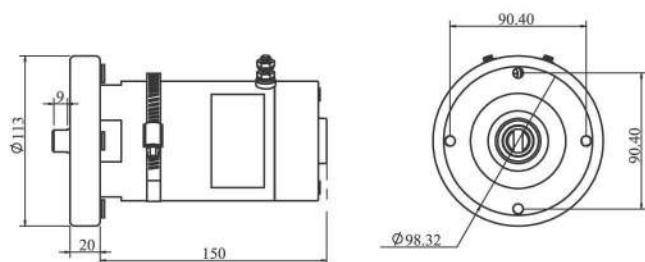
Ø 3.0"DC motor
Black Colour

A1N	MD12080AN	12V	0.8KW	3400rpm	3N. M	顺时针 (CW)	S3=10%
A2N	MD24080AN	24V	0.8KW	3400rpm	3N. M	顺时针 (CW)	S3=10%



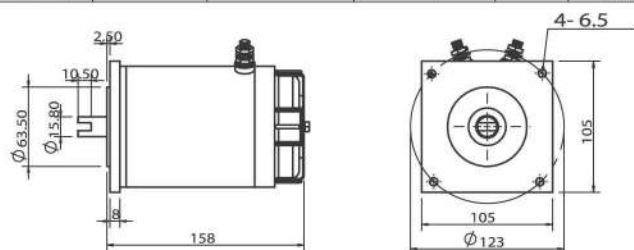
Ø 3.0"DC motor
Black Colour

A1Y	MD12080SY	12V	0.8KW	2800rpm	3N. M	顺时针 (CW)	S3=10%
A2Y	MD24080SY	24V	0.8KW	2800rpm	3N. M	顺时针 (CW)	S3=10%



Ø 3.0"DC motor
Black Colour

A1	MD12080Q	12V	0.8KW	2350rpm	3N. M	顺时针 (CW)	S3=10%
A2	MD24080Q	24V	0.8KW	2350rpm	3N. M	顺时针 (CW)	S3=10%
A4	MD48080Q	48V	0.8KW	2350rpm	3N. M	顺时针 (CW)	S3=10%

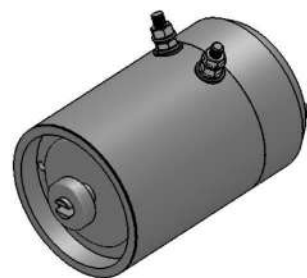
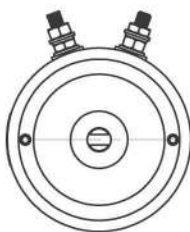
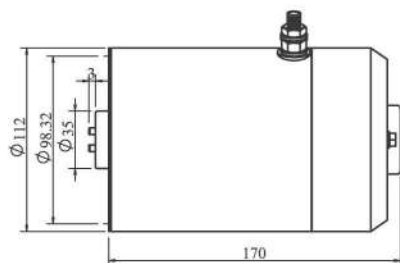


Ø 3.0"DC motor
Grey Colour

直流电机

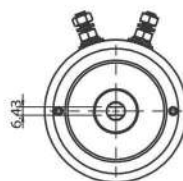
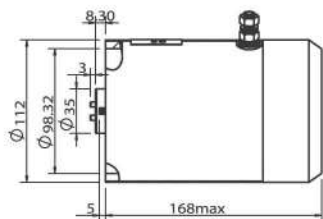
DC Motor

序号 item	订货代码 order code	额定电压 rated voltage	额定功率 nominal power	额定转速 rotation speed	力矩 torque	转向 rotation direction	工作制 operation mode
C1A	MD12160A	12V	1.6KW	2600rpm	6N. M	顺时针 (CW)	S3=7.5%
C2A	MD24220A	24V	2.2KW	2800rpm	6N. M	顺时针 (CW)	S3=7.5%



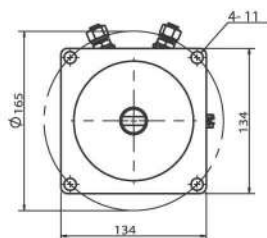
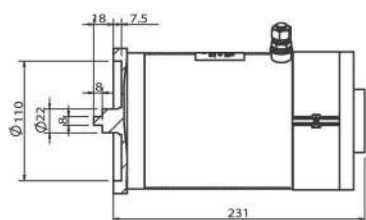
Ø 4.5"DC motor
Grey Colour

C1	MD12160	12V	1.6KW	2950rpm	6N. M	顺时针 (CW)	S3=10%
C2	MD24220	24V	2.2KW	3100rpm	6N. M	顺时针 (CW)	S3=10%



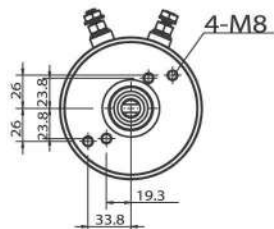
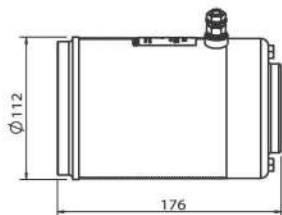
Ø 4.5"DC motor
Black Colour

D1	MD12260	12V	2.6KW	2300rpm	9N. M	顺时针 (CW)	S3=10%
D2	MD24300	24V	3.0KW	2300rpm	9N. M	顺时针 (CW)	S3=10%



Ø 5.0"DC motor
Grey Colour

T1	MD12200	12V	2KW	2950rpm	6N. M	顺时针 (CW)	S3=7%
T2	MD24200	24V	2KW	3100rpm	6N. M	顺时针 (CW)	S3=7%

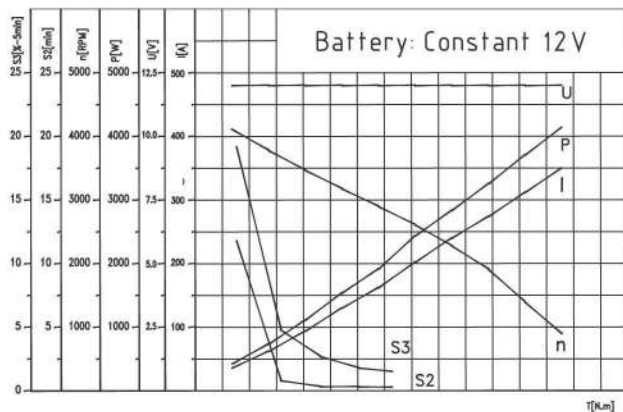


Ø 4.5"DC motor
Black Colour

特性曲线图

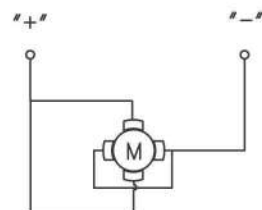
Characteristic Graph

CHARACTERISTIC



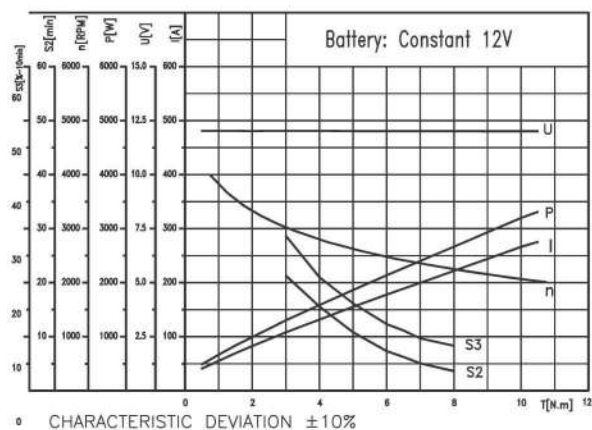
MD12080

TECHNICAL DATA	
VOLTAGE	12 V
INPUT POWER	0.8 KW
SPEED AT 1.5 NM	3400 RPM
CURRENT AT 1.5 NM	34 AMP
ROTATION	CW WHEN APPLY POSITIVE TO "+"
WORKING MODE	S2 = 2.5 min S3 = 15%ED
PROTECTIN GRADE	IP 54
LIFE	100 Hrs ON TIME
MASS	2.6 kg



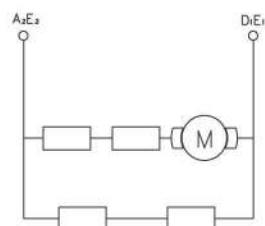
MOTOR CIRCUIT

CHARACTERISTIC



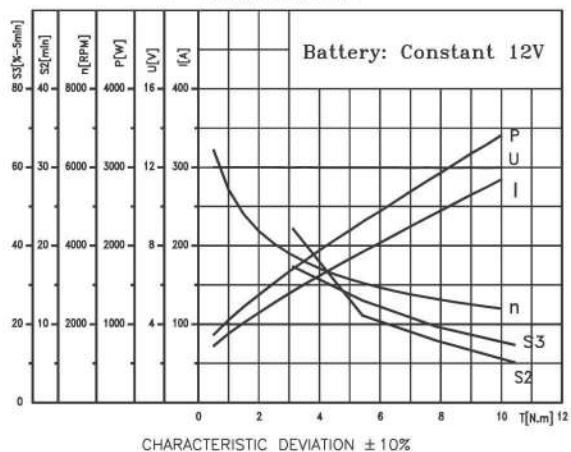
MD12160

TECHNICAL DATA	
VOLTAGE	12V
POWER	1.6 KW
SPEED AT 5.5 NM	2600RPM
ROTATION	CW
WORKING MODE	S2 = 2.0 MIN S3 = 7.5%ED
PROTECTIN GRADE	IP 54
VERSION	INSULATED GROUND
MASS	6.3KG



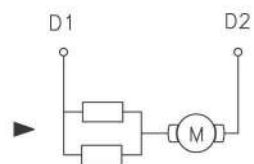
MOTOR CIRCUIT

CHARACTERISTIC



MD12200

TECHNICAL DATA	
VOLTAGE	12V
POWER	2.0 KW
SPEED AT 5.5 NM	2800RPM
ROTATION	CW
WORKING MODE	S2 = 7.5 min S3 = 20%ED
PROTECTIN GRADE	IP 54
VERSION	INSULATED GROUND
MASS	8 KG

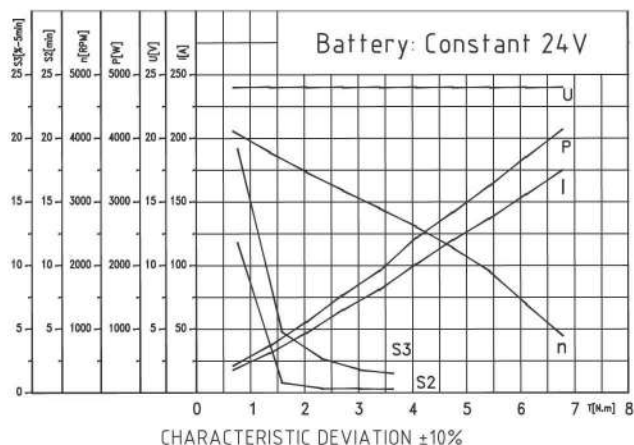


MOTOR CIRCUIT

特性曲线图

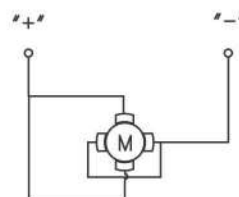
Characteristic Graph

► CHARACTERISTIC



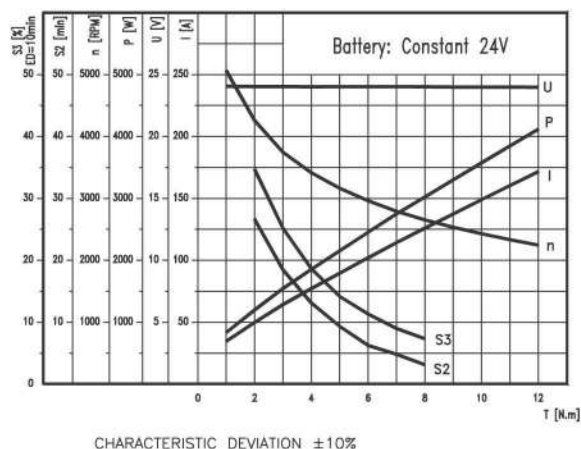
MD24080

TECHNICAL DATA	
VOLTAGE	24V
INPUT POWER	0.8 KW
SPEED AT 1.5 NM	3400 RPM
CURRENT AT 1.5 NM	34 AMP
ROTATION	CW WHEN APPLY POSITIVE TO "+"
WORKING MODE	S2 = 2.5 min S3 = 10%ED
PROTECTIN GRADE	IP 54
LIFE	100 Hrs ON TIME
MASS	2.6 kg



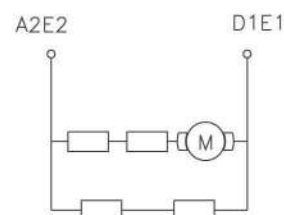
MOTOR CIRCUIT

► CHARACTERISTIC



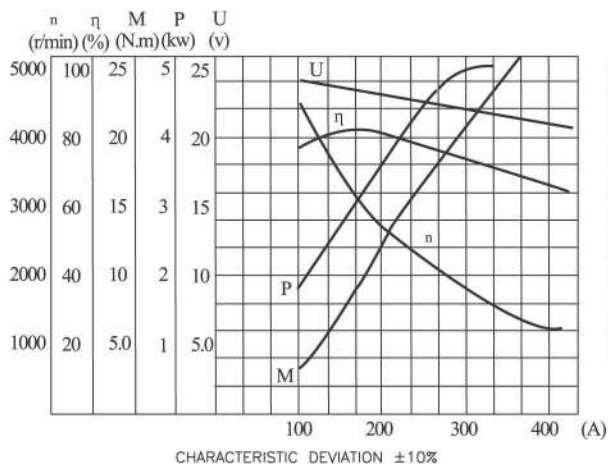
MD24220

TECHNICAL DATA	
VOLTAGE	24V
POWER	2.2 KW
SPEED AT 5.5 NM	2800 RPM
ROTATION	CW
WORKING MODE	S2 = 2.0 min S3 = 7.5%ED
PROTECTIN GRADE	IP 54
VERSION	INSULATED GROUND
MASS	6.6 kg



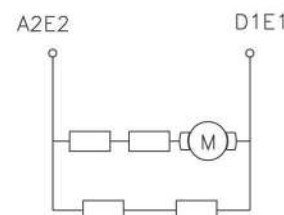
MOTOR CIRCUIT

► CHARACTERISTIC

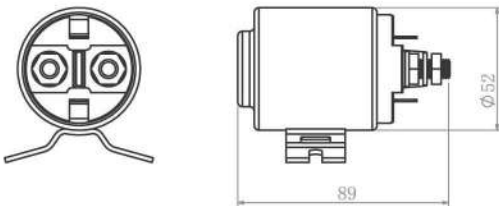
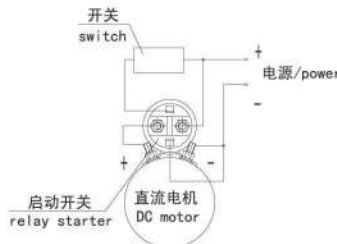
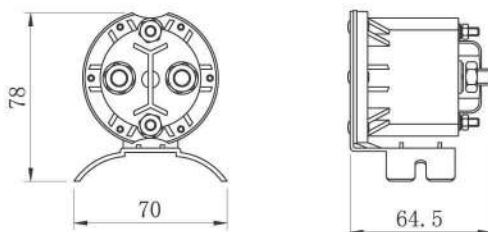
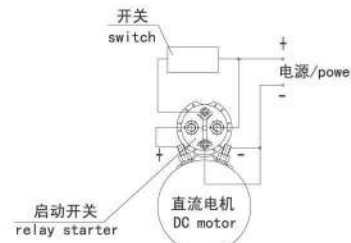
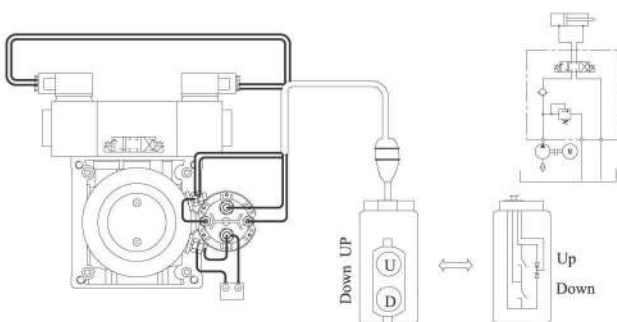
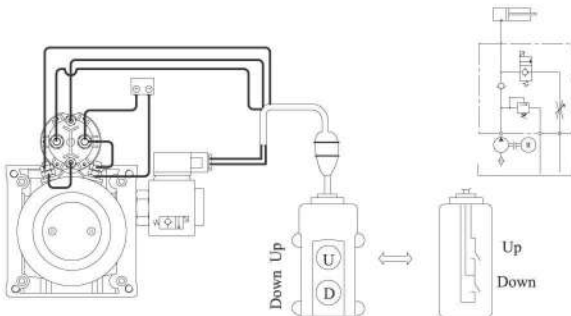


MD24300

TECHNICAL DATA	
VOLTAGE	24V
POWER	3.0 KW
SPEED AT 5.5 NM	2800 RPM
ROTATION	CW
WORKING MODE	S2 = 2.0 min S3 = 7.5%ED
PROTECTIN GRADE	IP 54
VERSION	INSULATED GROUND
MASS	6.6 kg



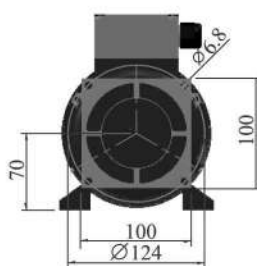
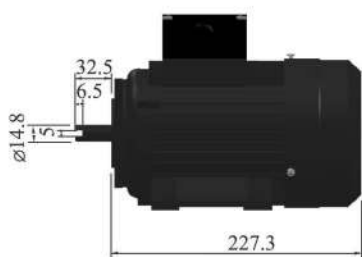
MOTOR CIRCUIT

启动开关 Relay Starter				
代号 Code	电压 (V)	电流 (A)	尺寸 Size	接线 Connection
DK0112	12	200		
DK0124	24	150		
DK0312	12	200		
DK0324A	24	150		
DK0324B	24	200		
单作用油缸用直流电机接线图 Connection with up-down for single action cylinder				
双作用油缸用直流电机接线图 Connection with up-down for double action cylinder				

交流电机

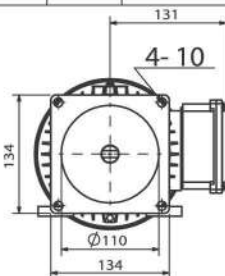
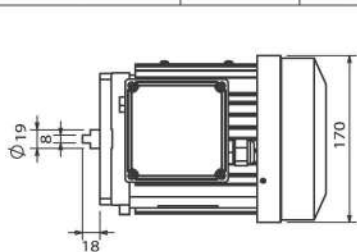
A. C. Motor

序号 item	订货代码 order code	额定电压 rated valtage	额定功率 nominal power	相数 phase	频率 HZ	额定转速 rotation speed	工作制 operatin mode
A1	MS711-2 (MS380075-2F)	380V	0.75	3	50	2800	S1
A2	ML711-2 (ML220075-2F)	220V	0.75	1	50	2800	S1



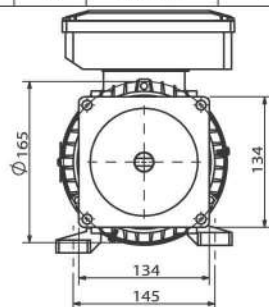
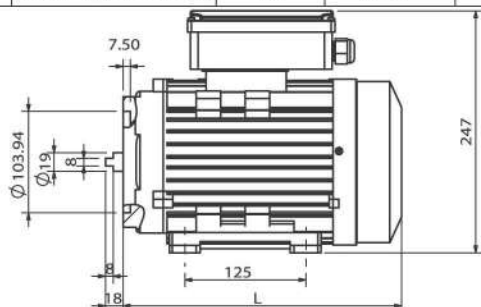
Ø 71 机座交流电机
Ø 71 Frame AC motor
Black Colour

B2	MS801-2 (MS380075-2F)	380V	0.75KW	3	50	2800rpm	S3
B4	MS801-4 (MS380075-4F)	380V	0.75KW	3	50	1400rpm	S3
C2	MS802-2 (MS380110-2F)	380V	1.1KW	3	50	2800rpm	S3
C4	MS802-4 (MS380110-4F)	380V	1.1KW	3	50	1400rpm	S3
H2	ML801-2 (ML380075-2F)	220V	0.75KW	1	50	2800rpm	S3
H4	ML802-4 (ML380075-4F)	220V	0.75KW	1	50	1400rpm	S3



Ø 80 机座交流电机
Ø 80 Frame AC motor
Grey Colour

K2	ML90S1-2 (ML110150-2F-60)	110V	1.5KW	1	60	3450rpm	S3
K4	ML90S1-4 (ML110150-4F-60)	110V	1.5KW	1	60	1750rpm	S3
L2	ML90S2-2 (ML220185-2F-60)	220V	1.85KW	1	60	3450rpm	S3
L4	ML90L2-4 (ML220185-4F-60)	220V	1.85KW	1	60	1750rpm	S3
Q2	ML90L2-2 (ML110220-2F-60)	110V	2.2KW	1	60	3450rpm	S3
Q4	ML90L2-4 (ML110220-4F-60)	110V	2.2KW	1	60	1750rpm	S3

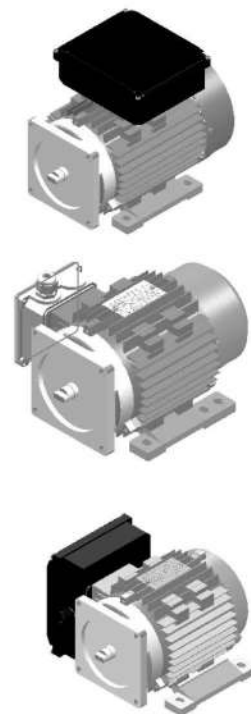
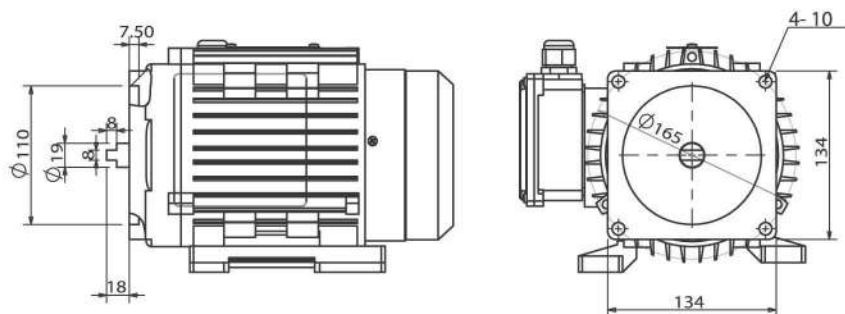


Ø 80 机座交流电机
Ø 80 Frame AC motor
Grey Colour

交流电机

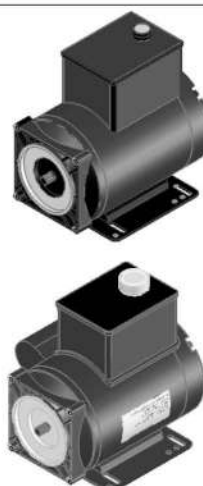
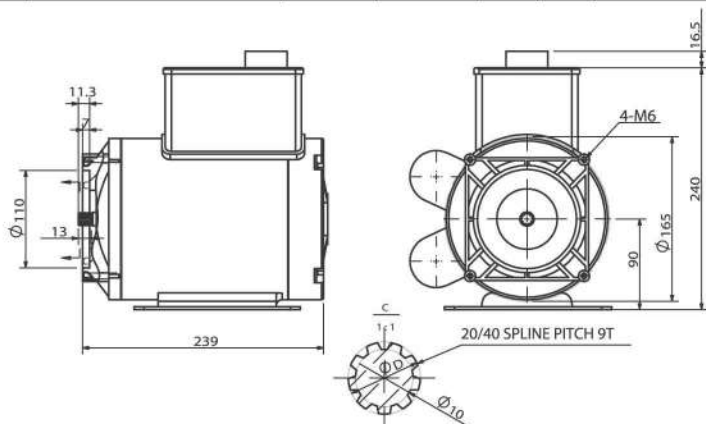
A. C. Motor

序号 Item	订货代码 order code	额定电压 rated voltage	额定功率 nominal power	相数 phase	频率 Hz	额定转速 rotation speed	工作制 operatin mode
D2	MS90S-2 (MS380150-2F)	380V	1.5KW	3	50	2850rpm	S3
D4	MS90M1-4 (MS380150-4F)	380V	1.5KW	3	50	1400rpm	S3
E2	MS90S1-2 (MS380185-2F)	380V	1.85KW	3	50	2850rpm	S3
E4	MS90M2-4 (MS380185-4F)	380V	1.85KW	3	50	1400rpm	S3
F2	MS90L1-2 (MS380220-2F)	380V	2.2KW	3	50	2850rpm	S3
F4	MS90L2-4 (MS380220-4F)	380V	2.2KW	3	50	1400rpm	S3
N2	MS90L2-2 (MS380300-2F)	380V	3.0KW	3	50	2850rpm	S3
I2	ML90S-2 (ML220150-2F)	220V	1.5KW	1	50	2850rpm	S3
I4	ML90L1-4 (ML220150-4F)	220V	1.5KW	1	50	1400rpm	S3
J2	ML90L1-2 (ML220185-2F)	220V	1.85KW	1	50	2850rpm	S3
J4	ML90L2-4 (ML220185-4F)	220V	1.85KW	1	50	1400rpm	S3
R2	ML90L2-2 (ML220220-2F)	220V	2.2KW	1	50	2850rpm	S3



Ø 90 机座交流电机
Ø 90 Frame AC motor
Grey Colour

Y1	YL90L-2 (YL110220-2-60)	110V	2.2KW	1	60	3450rpm	S3
Y2	YL90L-2 (YL20220-2)	220V	2.2KW	1	50	2850rpm	S3
Y3	YS90L-2 (YS380220-2)	380V	2.2KW	3	50	2850rpm	S3

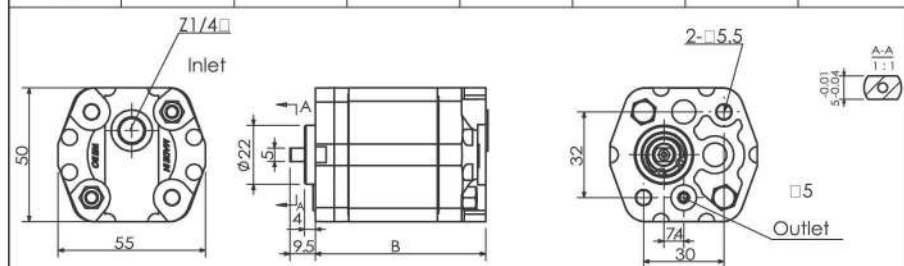


钢板电机
Steel motor
Black Colour

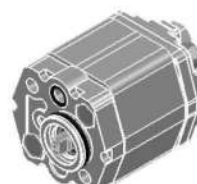
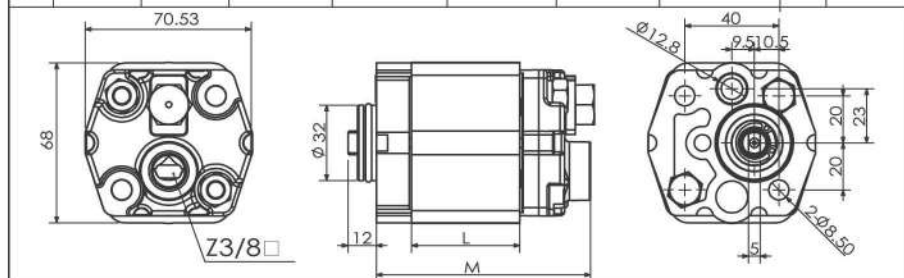
齿轮泵

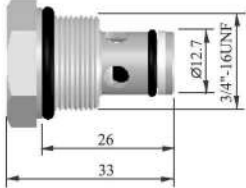
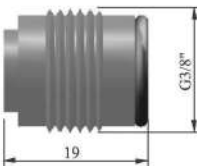
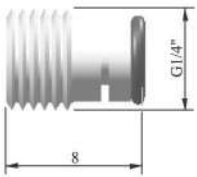
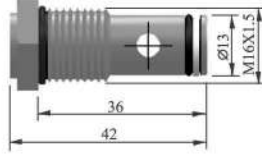
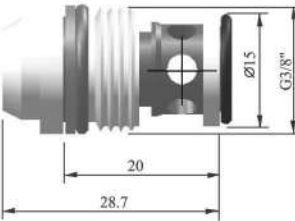
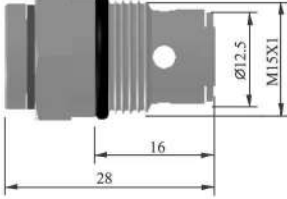
Gear pump

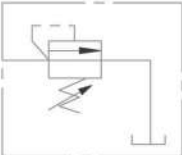
代号 item	型号 type	公称排量 (cc/Rev)	额定压力 rated pressure (Mpa)	最高压力 maximum pressure (Mpa)	转速 imn. speed (r/min)	容积效率 Volumetric efficiency (%)	B (mm)
UA	CBU-F1016	0.16	17.0	20.0	3500	≥83	59.7
UB	CBU-F1025	0.25	17.0	20.0	3500	≥83	60.3
UC	CBU-F1050	0.50	17.0	20.0	3500	≥85	62
UD	CBU-F1075	0.75	17.0	20.0	3500	≥85	64
UE	CBU-F1100	1.00	17.0	20.0	3500	≥90	65.3
UF	CBU-F1125	1.25	17.0	20.0	3500	≥90	67
UG	CBU-F1150	1.50	17.0	20.0	3500	≥95	68.5
UH	CBK-F1175	1.75	17.0	20.0	3500	≥95	70.2
UI	CBU-F1200	2.00	17.0	20.0	3500	≥95	72

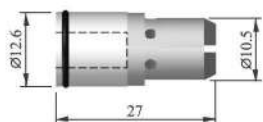
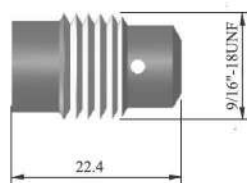
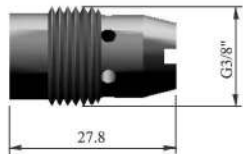
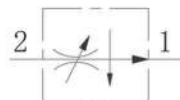
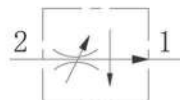
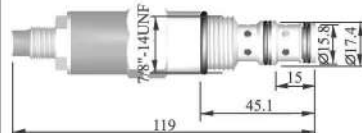
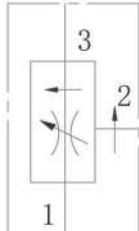


代号 item	型号 type	公称排量 (cc/Rev)	额定压力 rated pressure (Mpa)	最高压力 maximum pressure (Mpa)	额定转速 rated speed (r/min)	最高转速 maximum speed (r/min)	容积效率 Volumetric efficiency (%)	L (mm)	M (mm)
KA	CBK-F106	0.6	20.0	25.0	2500	3500	≥85	33	71
KB	CBK-F1075	0.75	20.0	25.0	2500	3500	≥85	34	72
KC	CBK-F110	1.0	20.0	25.0	2500	3500	≥85	36	74
KD	CBK-F116	1.6	20.0	25.0	2500	3500	≥92	38	76
KE	CBK-F120	2.0	20.0	25.0	2500	3500	≥92	40	78
KF	CBK-F125	2.5	20.0	25.0	2500	3500	≥95	42	80
KG	CBK-F133	3.3	20.0	22.0	2500	3500	≥95	44	82
KH	CBK-F142	4.2	16.0	20.0	2500	3500	≥95	48	84
KI	CBK-F158	5.8	16.0	20.0	2500	3500	≥95	52	86



单向阀 Check valve				
代号 Code	外形尺寸 Size	液压原理图 Diagram	应用阀块类型 Compatibility center manifold	操作工具 tooling
CV-01			CMB1 CMB2 CMD1 CMD2 CMD3 CME	
CV-02			CMC1 CMC2 CMC3	
CV-03			CMB3	
CV-04			CMF	
CV-05			MB18 MB19	
CV-06			CMA	

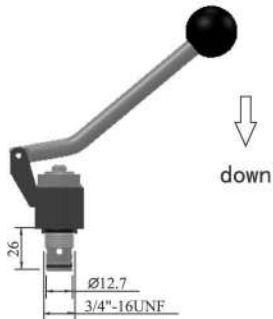
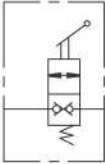
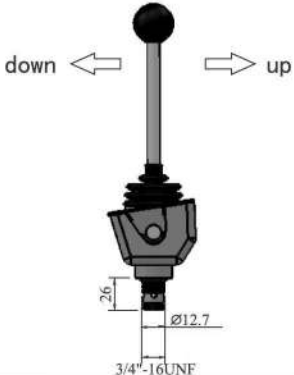
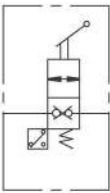
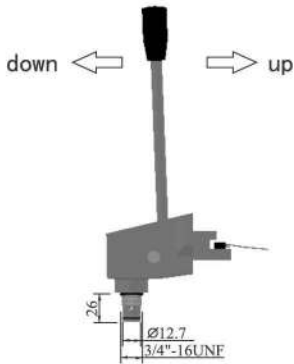
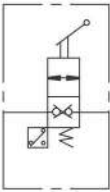
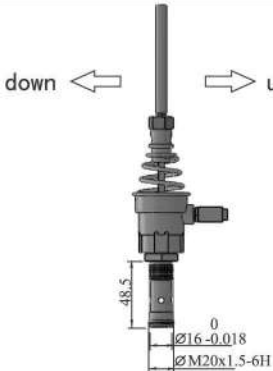
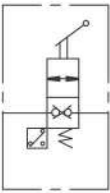
压力阀 Relief valve				
代号 Code	外形尺寸 Size	液压原理图 Diagram	应用阀块类型 Compatibility center manifold	操作工具 tooling
RV-01		 压力范围 Pressure Range A:10-100 bar B:20-140 bar C:30-250 bar D:70-350 bar 订货时请标注 在代号后面 Mark A-D type at the end of the code	CMB02	
RV-02			CMB1 CMB2 CME CML	
RV-03			CMC1 CMC2 CMC3 CMD1 CMD2 CMD3	
RV-04			CMF	
RV-05			CMB1 CMB2 CME CML	
RV-06			CMA	

流量补偿阀 Regulator Pressure-compensated valve					
代号 Code	外形尺寸 Size	液压原理图 Diagram	订货说明 note		
RPCV-01			RPCV-01压力流量补偿阀		
			订货代码	额定调节流量 (L/min)	应用阀块类型
			RPCV-01-02	2	CMB1 CME
			RPCV-01-03	3	
			RPCV-01-04	4	
			RPCV-01-05	5	
			RPCV-01-06	6	
			RPCV-01-08	8	
RPCV-02			RPCV-02压力流量补偿阀		
			订货代码	额定调节流量 (L/min)	应用阀块类型
			RPCV-02-03	3	CMA CMB1 CMB2 CMC CMD1 CMD2 CMD3 CMD4
			RPCV-02-04	4	
			RPCV-02-05	5	
			RPCV-02-06	6	
			RPCV-02-08	8	
			RPCV-02-10	10	
RPCV-02-12	12				
RPCV-03			RPCV-03压力流量补偿阀		
			订货代码	额定调节流量 (L/min)	应用阀块类型
			RPCV-03-04	4	CMC
			RPCV-03-06	6	
			RPCV-03-08	8	
			RPCV-03-10	10	
			RPCV-03-12	12	
			RPCV-03-16	16	
RPCV-04			RPCV-04可调压力流量补偿阀		
			订货代码	额定调节流量 (L/min)	应用阀块类型
			RPCV-04-10	3-10	CMD1 CMD2 CMD3
			RPCV-04-26	10-26	
			RPCV-04-35	15-35	
RPCV-05			RPCV-05 分流调速阀		

节流阀 Flow control valve			
代号 Code	外形尺寸 Size	液压原理图 Diagram	应用阀块类型 Compatibility center manifold
FCV-01			CMC1、CMD1 CMD2、MB03
FCV-02			CMB1-02、CMD1、CML
手动泵 Hand Pump			
代号 Code	外形尺寸 Size	液压原理图 Diagram	使用说明 note
HP-20			1、最大压力:20Mpa P. Max: 20Mpa 2、2.0CC/行程 2.0CC/stroke
HP-80			1、最大压力:21Mpa P. Max: 21Mpa 2、8.0CC/行程 8.0CC/stroke

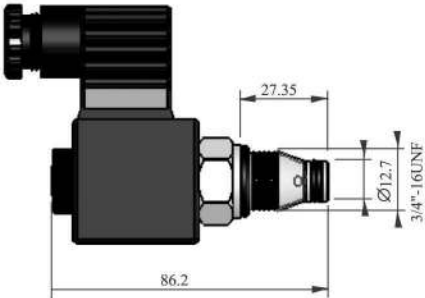
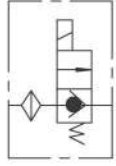
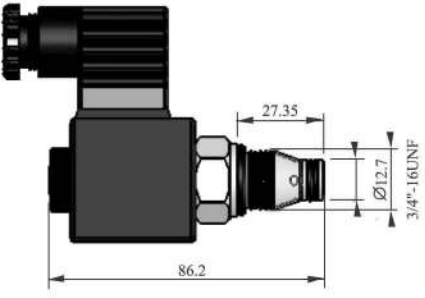
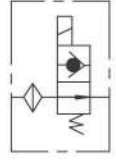
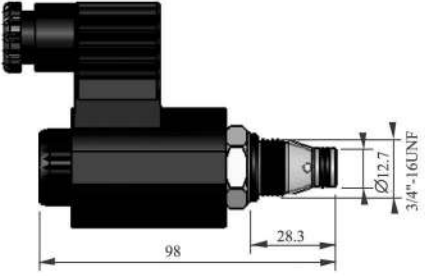
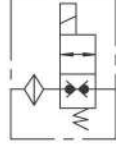
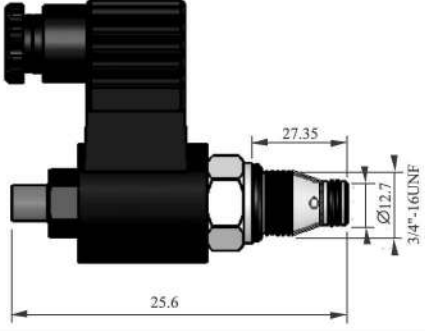
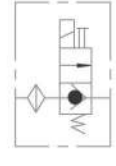
手动阀

Manual Release Valve

代号 Code	外形尺寸 Size	液压原理图 Diagram	应用阀块类型 Compatibility center manifold
MV-01			CMB1-02 CMD1
MV-02			CMB1-01 CMD2
MV-03			CMB2
MV-04			CMF

插装式电磁阀

Cartridge Solenoid Release Valve

代号 Code	外形尺寸 Size	液压原理图 Diagram	使用说明 Note
SCV-012DC SCV-024DC SCV-024AC SCV-110AC SCV-220AC			SCV常闭型两位两通电磁阀 SCV Normal close Two way, two position Cartridge Solenoid Valve
SOV-012DC SOV-024DC SOV-024AC SOV-110AC SOV-220AC			SOV常开型两位两通电磁阀 SOV Normal Open, Two way, two position Cartridge Solenoid Valve
SDV-012DC SDV-024DC SDV-024AC SDV-110AC SDV-220AC			SDV双向止回型两位两通电磁阀 SDV Double check, two way two position Cartridge Solenoid Valve
SCV(E)-R012DC SCV(E)-R024DC SCV(E)-R024AC SCV(E)-R110AC SCV(E)-R220AC			SCV(E)-R型附手动常闭电磁阀 (红色按钮) SCV(E)-R Normal Close, Two way, two position button Cartridge Solenoid Valve with emergency (Red button)
最大使用压力 (Max operation pressure):250 bar, 代号后面加 “25” (Mark“25”at the end of code) 最大使用压力 (Max operation pressure):350 bar, 代号后面加 “35” (Mark“35”at the end of code)			

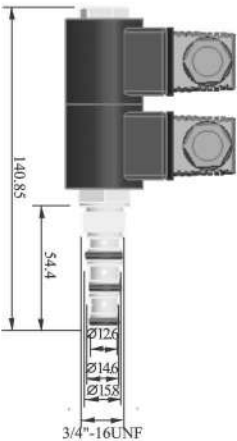
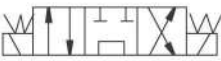
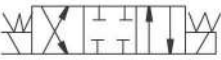
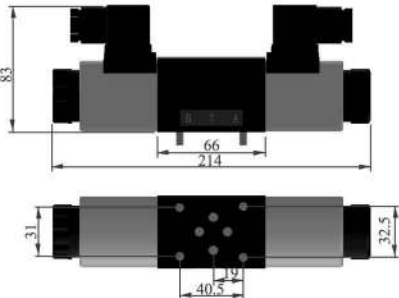
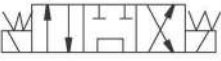
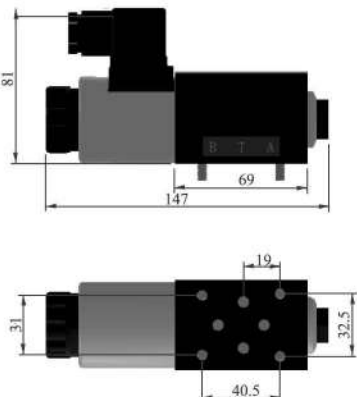
插装式电磁阀

Cartridge Solenoid Release Valve

代号 Code	外形尺寸 Size	液压原理图 Diagram	使用说明 Note
SCV (E) -Y012DC SCV (E) -Y024DC SCV (E) -Y024AC SCV (E) -Y110AC SCV (E) -Y220AC			SCV (E) -Y型附手动常闭电磁阀 (黄色按钮) SCV(E)-Y Normal Close, Two way, two position button Cartridge Solenoid Valve with emergency (Yellow button)
SCV (E) -M012DC SCV (E) -M024DC SCV (E) -M024AC SCV (E) -M110AC SCV (E) -M220AC			SCV (E) -M型附手动常闭电磁阀 (拉拽式) SCV(E)-M Normal Close, Two, way two position button Caridge Solenoid Valve (Hand-pull type Enmergency button)
SCV23012DC SCV23024DC SCV23024AC SCV23110AC SCV23220AC			SV23型两位三通电磁阀 SV23 type three way, two position Cartridge Solenoid Valve
SCV24012DC SCV24024DC SCV24024AC SCV24110AC SCV24220AC			SV24型两位四通电磁阀 SV24 type Four Way, two position Cartridge Solenoid Valve
最大使用压力 (Max operation pressure):250 bar, 代号后面加 “25” (Mark“25”at the end of code) 最大使用压力 (Max operation pressure):350 bar, 代号后面加 “35” (Mark“35”at the end of code)			

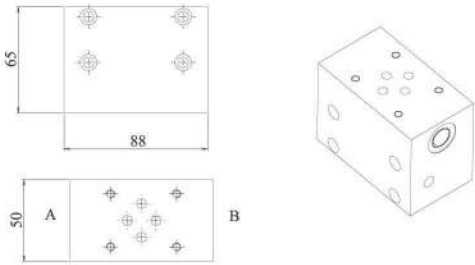
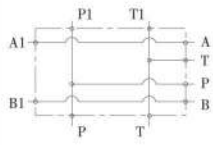
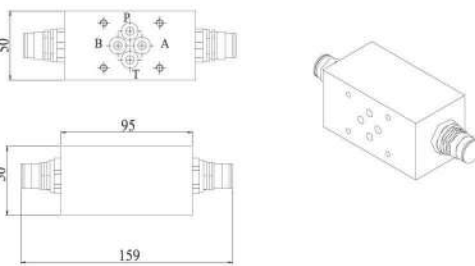
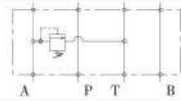
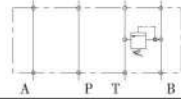
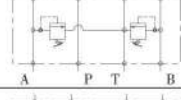
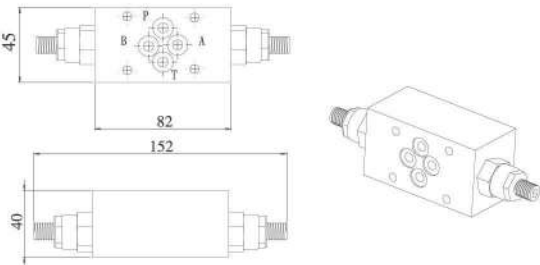
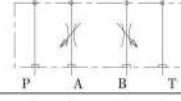
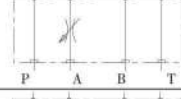
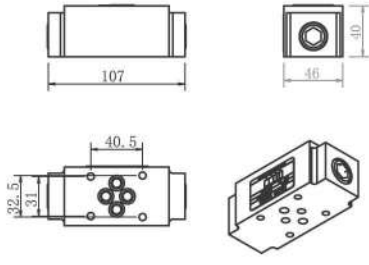
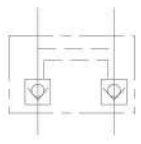
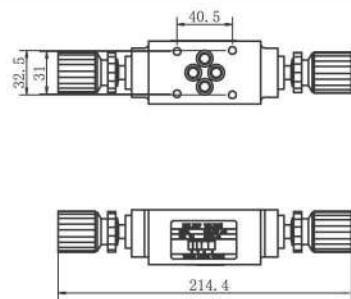
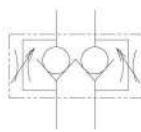
叠加电磁阀

Standard Cetop Valve

代号 Code	外形尺寸 Size	电压 Voltage	原理图 Diagram	使用说明 note
SCV34012G SCV34024G SCV34220G		12VDC 24VDC 220AC		SCV三位四通电磁插装阀G型 P Max:250bar; Q Max:30L/min;
SCV34012E SCV34024E SCV34220E		12VDC 24VDC 220AC		SCV三位四通电磁插装阀E型 P Max:250bar; Q Max:30L/min;
SCV34012H SCV34024H SCV34220H		12VDC 24VDC 220AC		SCV三位四通电磁插装阀H型 P Max:250bar; Q Max:30L/min;
SCV34012Y SCV34024Y SCV34220Y		12VDC 24VDC 220AC		SCV三位四通电磁插装阀Y型 P Max:250bar; Q Max:30L/min;
SV34012G SV34024G SV34220G		12VDC 24VDC 220AC		SV三位四通电磁叠加阀G型 P Max:250bar; Q Max:30L/min;
SV34012E SV34024E SV34220E		12VDC 24VDC 220AC		SV三位四通电磁叠加阀E型 P Max:250bar; Q Max:30L/min;
SV34012H SV34024H SV34220H		12VDC 24VDC 220AC		SV三位四通电磁叠加阀H型 P Max:250bar; Q Max:30L/min;
SV34012Y SV34024Y SV34220Y		12VDC 24VDC 220AC		SV三位四通电磁叠加阀Y型 P Max:250bar; Q Max:30L/min;
SV24012A SV24024A SV24220A		12VDC 24VDC 220AC		SV两位四通电磁叠加阀 P Max:250bar; Q Max:30L/min;

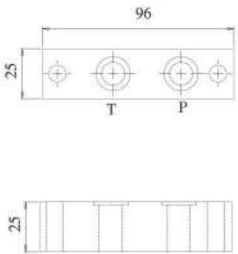
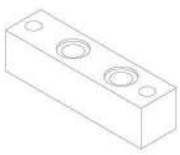
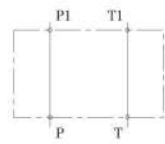
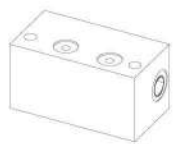
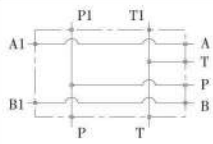
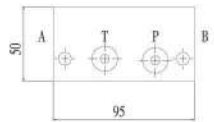
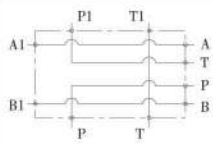
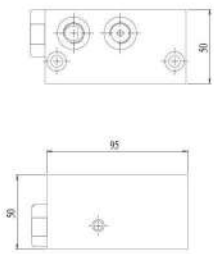
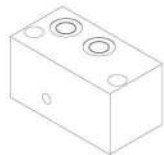
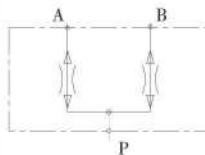
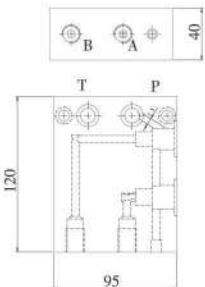
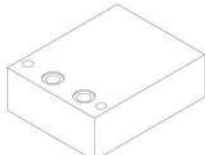
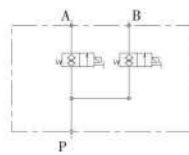
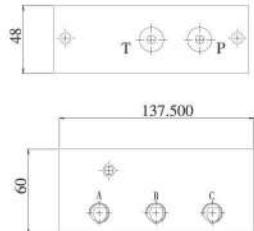
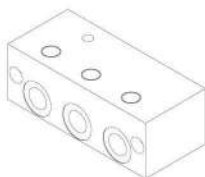
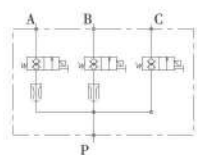
标准过渡块系列

Standard modular elements serial

代号 Code	外形尺寸 Size	液压原理图 Diagram	应用阀块类型 Compatibility center manifold
MB01			CMA
MB02			应用于标准叠加阀, A口均溢流 For standard cetop with relief valve RV-01 on A
			应用于标准叠加阀, B口溢流 For standard cetop with relief valve RV-01 on B
			应用于标准叠加阀, A、B口溢流 For standard cetop with relief valve RV-01 on A and B
MB03			应用于标准叠加阀, A、B口均节流 For standard cetop with control valve FCV-01 on A and B
			应用于标准叠加阀, A口节流 For standard cetop with control valve FCV-01 on A
			应用于标准叠加阀, B口节流 For standard cetop with control valve FCV-01 on B
MB04			应用标准叠加阀 For standard cetop valve
MB05			应用于标准叠加阀, A、B口均节流 For standard cetop valve

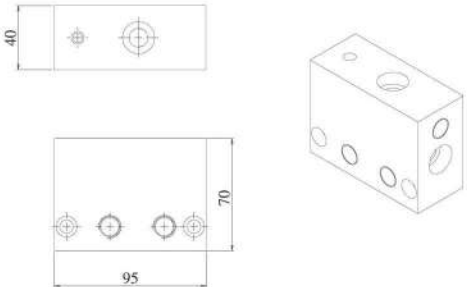
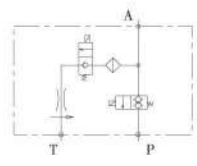
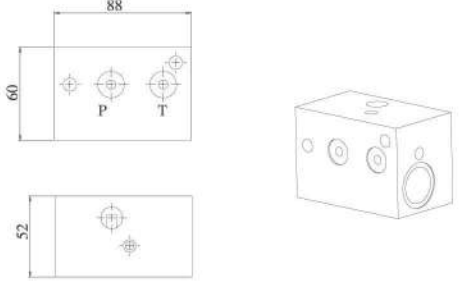
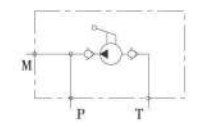
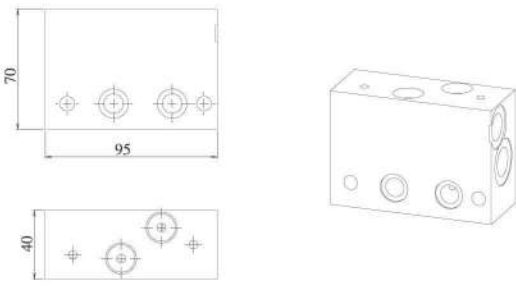
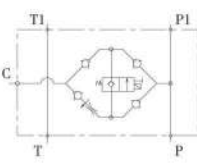
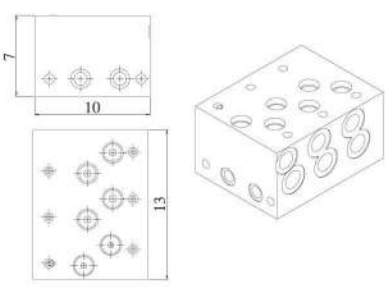
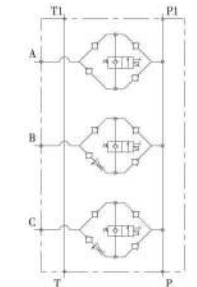
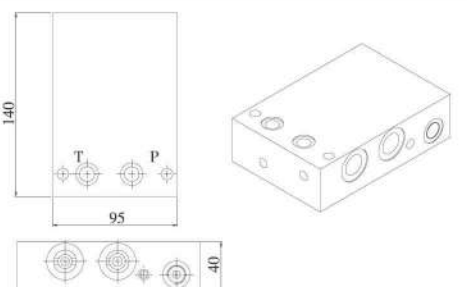
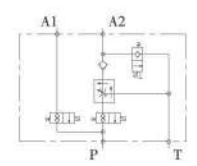
标准过渡块系列

Standard modular elements serial

代号 Code	外形尺寸 Size	液压原理图 Diagram	应用阀块类型 Compatibility center manifold
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MB11	 		CMC CME
MB12			
MB13	 		CMC CME
MB14	 		CMC CME
MB15	 		CMC

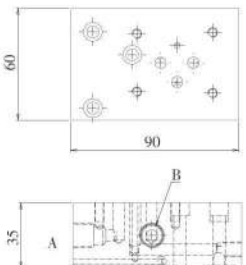
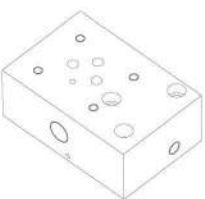
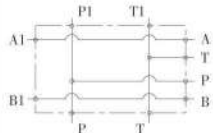
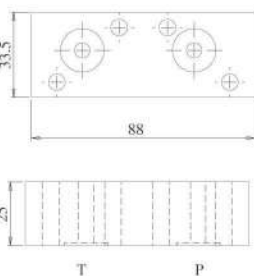
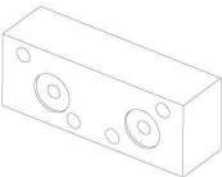
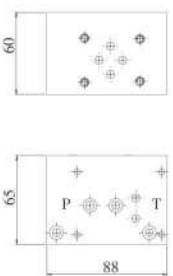
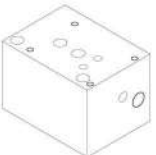
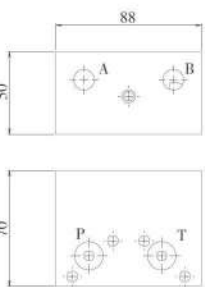
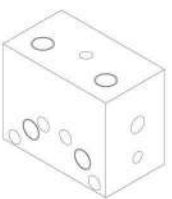
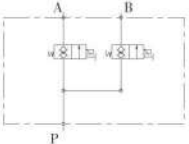
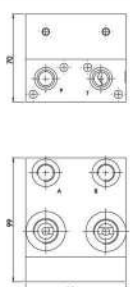
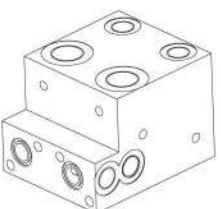
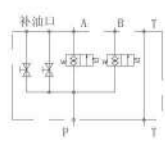
标准过渡块系列

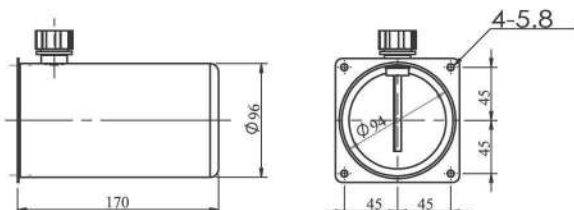
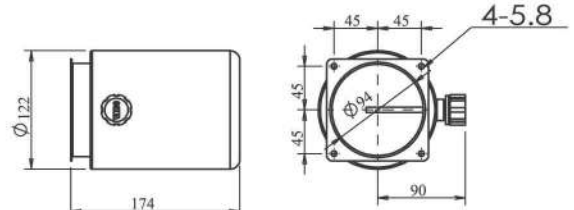
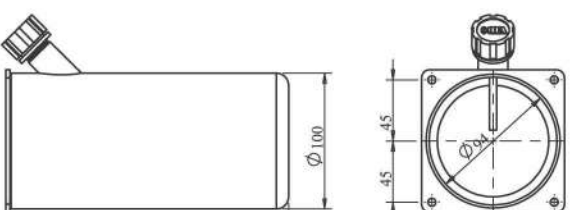
Standard modular elements serial

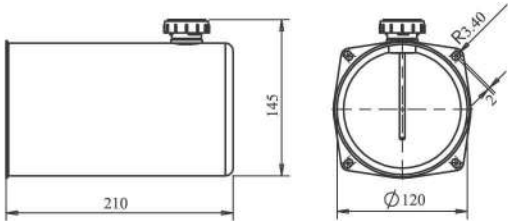
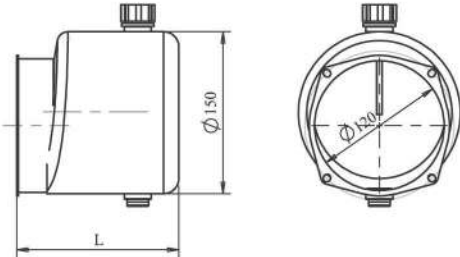
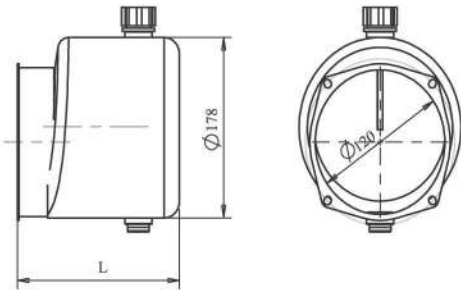
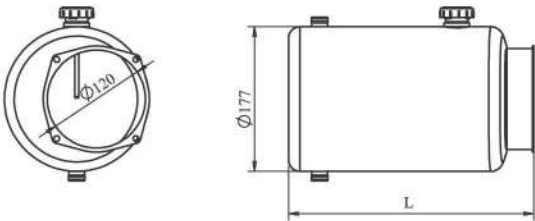
代号 Code	外形尺寸 Size	液压原理图 Diagram	应用阀块类型 Compatibility center manifold
MB16			CMC CME
MB17			CMC
MB18			CMC CME
MB19			CMC CME
MB20			CMC CME

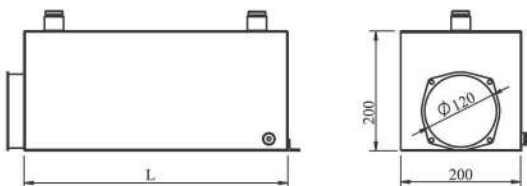
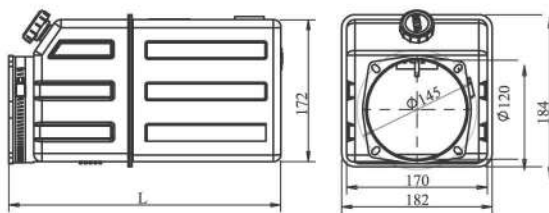
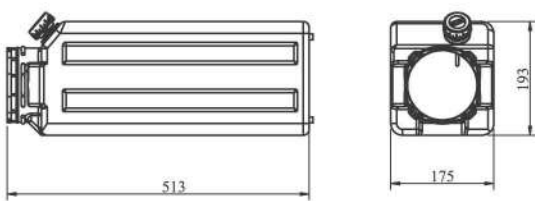
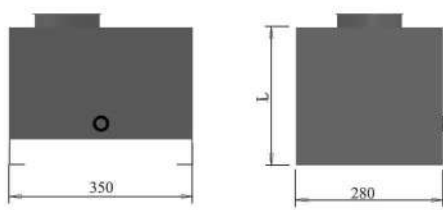
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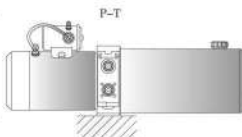
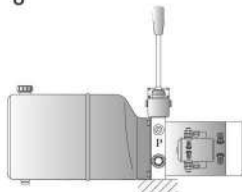
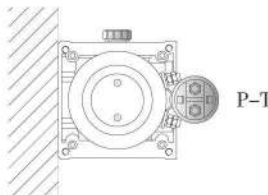
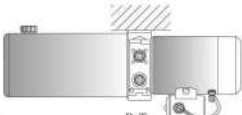
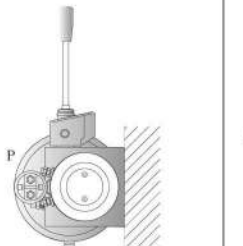
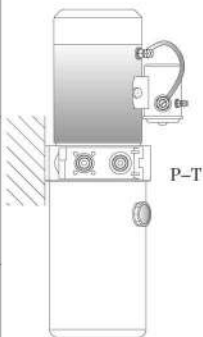
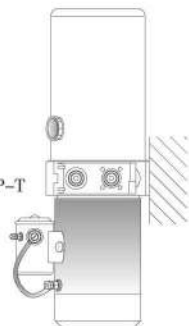
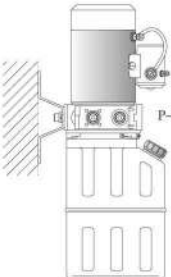
Standard modular elements serial

代号 Code	外形尺寸 Size	液压原理图 Diagram	应用阀块类型 Compatibility center manifold
MB31	 		CMD3
MB40	 		CMF
MB41	 		CMF
MB42	 		CMF
MB49	 		CMF

油箱 Tank				
代号 Code	长度 L (mm)	容积 (L)	外形尺寸 Size	
				
TS094A210	210	1.2		
TS094A170	170	1		
				
TS094B174	174	1.7		
TS094C166	166	2.0		
				
TP094A208	208	1.2		
TP094B205	205	3.5		
卧式油箱代号后加“H”，立式油箱代号后加“V” Horizontal Mark “H” in the end of code, Vertical Mark “V” in the end of code				

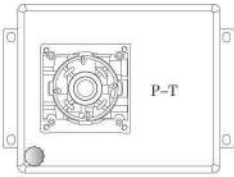
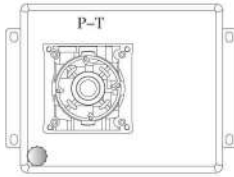
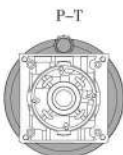
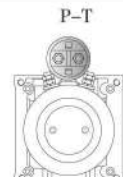
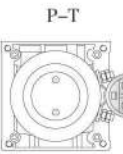
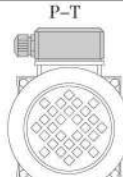
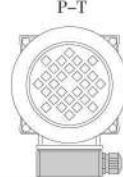
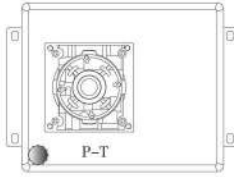
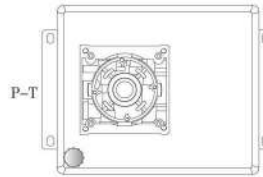
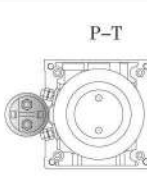
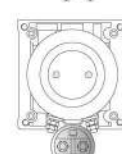
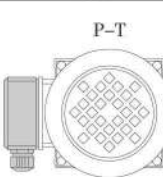
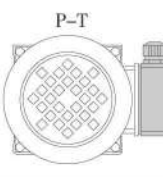
油箱 Tank				
代号 Code	长度 L (mm)	容积 (L)	外形尺寸 Size	
				 铁制油箱 Steel tank
TS120A210	210	2.0		
				 铁制油箱 Steel tank
TS120B270	270	4		
TS120B215	215	2.8		
TS120B152	152	1.7		
				 铁制油箱 Steel tank
TS120C610	610	14		
TS120C545	545	12		
TS120C440	440	10		
TS120C370	370	8		
TS120C290	290	6		
TS120C270	270	5		
TS120C225	225	4		
				 铁制油箱 Steel tank
TS120D300	300	6		
TS120D270	270	5		
卧式油箱代号后加“H”，立式油箱代号后加“V” Horizontal Mark “H” in the end of code, Vertical Mark “V” in the end of code				

油箱 Tank			
代号 Code	长度 L (mm)	容积 (L)	外形尺寸 Size
			
TS120E560	560	5gal	 铁制油箱 Steel tank
TS120E440	440	4gal	
TS120E330	330	3gal	
			
TP120A450	450	10	 塑料油箱 Plastic tank
TP120A330	330	8	
TP120A260	260	6	
			
TP120B513	513	12	 塑料油箱 Plastic tank
			
TS120F420	420	30	 铁制油箱 Steel tank
TS120F290	290	20	
卧式油箱代号后加“H”，立式油箱代号后加“V” Horizontal Mark "H" in the end of code, Vertical Mark "V" in the end of code			

安装方式 Mounting Type					
安装方式 Mounting Type			卧式 Horizontal		
代号 Code	图号 Image	示意图 Sketch map			
H1	1		3		5
H2	2				
H3	3				
H4	4		4		6
H5	5				
H6	6				
安装方式 Mounting Type			立式 Vertical		
代号 Code	图号 Image	示意图 Sketch map			
V1	7		8		9
V2	8		10		
V3	9				
V4	10				
V5	其它 Others				

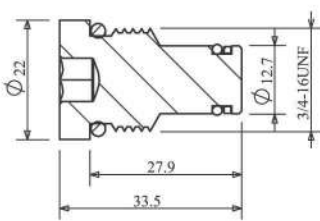
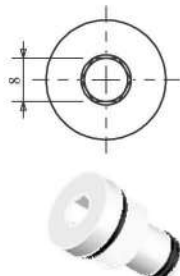
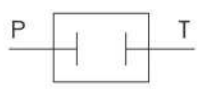
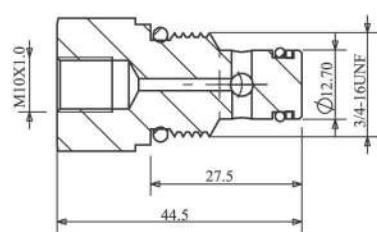
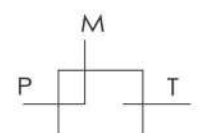
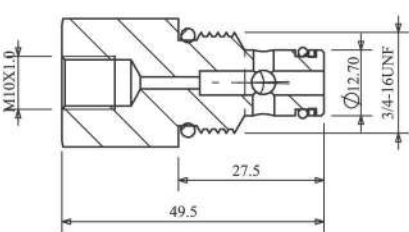
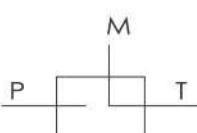
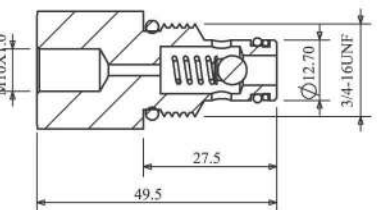
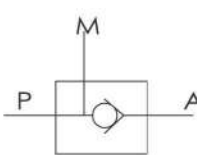
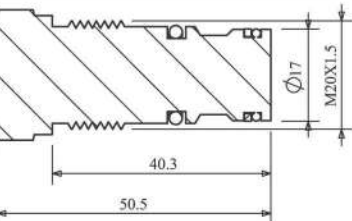
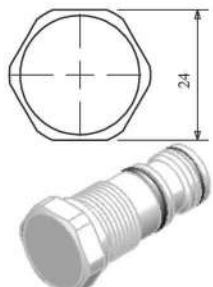
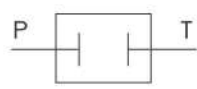
特殊安装要求

Special mounting demand

代号 Code	图号 Image	示意图 Sketch map	
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B	2		
C	3	3	
D	4		
E	5	5	
F	6		
G	7	7	
H	8		
I	9	9	
J	10		
K	11	11	
L	12		
M	13	13	
N	14		
O	15	15	
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		14	
		16	

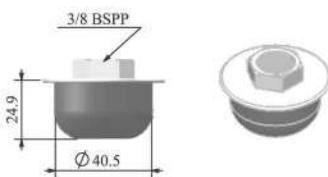
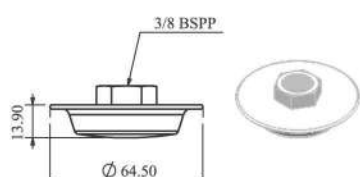
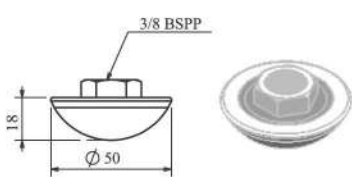
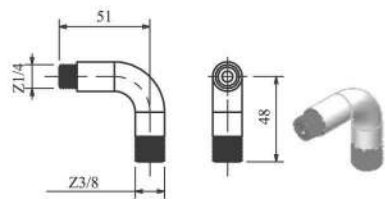
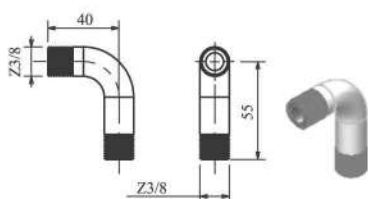
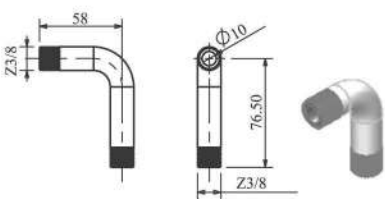
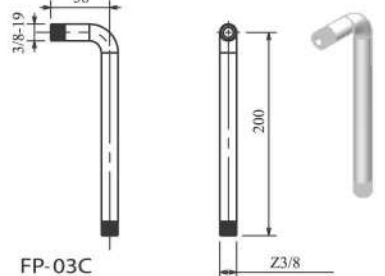
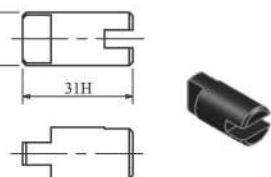
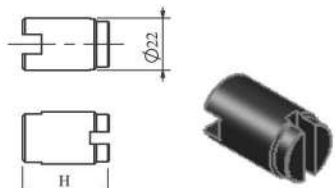
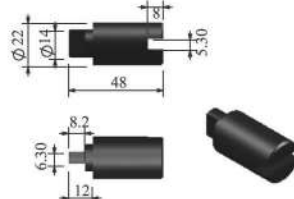
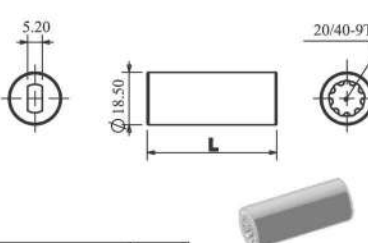
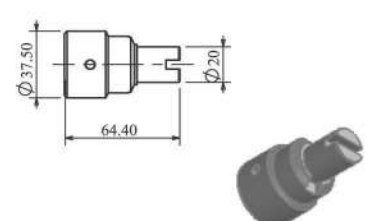
插装阀孔螺堵

Cavity steel plug

代号 Code	外形尺寸 Size	液压原理图 Diagram	操作工具 tooling
VCP-06	 		
PM-01	 		
PM-02	 		
PM-03	 		
RPV-03	 		

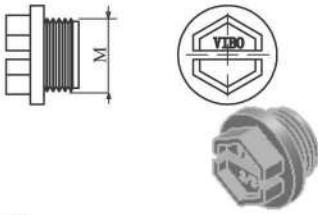
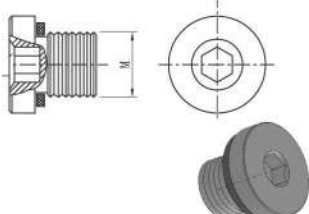
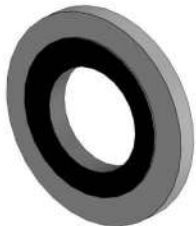
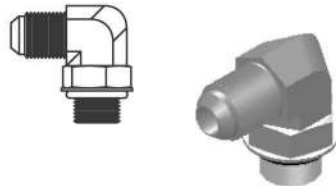
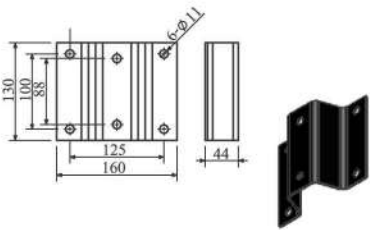
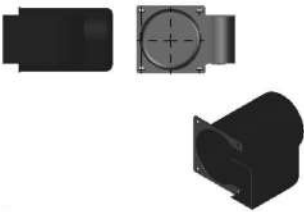
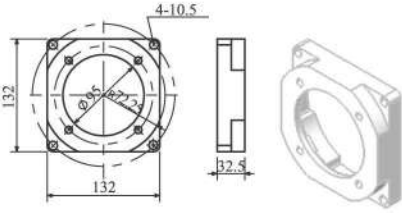
液压配套附件1

Accessories for Power Unit

 FC-06 Breather Cap 3/4" 油箱盖	 FC-04 Breather Cap 1/2" 油箱盖	 FC-03 Breather Cap 3/8" 油箱盖																
 FS-03C Suction filter 15L/MIN 滤网	 FS-03B Suction filter 10L/MIN 滤网	 FS-03A Suction filter 5L/MIN 滤网																
 FP-02A Suction angle pipe 1/4" 吸油管	 FP-03A Suction angle pipe 3/8"吸油管	 FP-03B Suction angle pipe 3/8" 吸油管																
 FP-03C Suction angle pipe 3/8"吸油管	 <table border="1"> <tr> <td>DCP-315</td> <td>31.5</td> <td rowspan="3">CMA用联轴器 Connector for CMA</td> </tr> <tr> <td>ACP-195</td> <td>19.5</td> </tr> <tr> <td>Code</td> <td>H</td> </tr> </table>	DCP-315	31.5	CMA用联轴器 Connector for CMA	ACP-195	19.5	Code	H	 <table border="1"> <tr> <td>ACP-365</td> <td>36.5</td> <td rowspan="3">AC∞90联轴器 Connector for AC∞90</td> </tr> <tr> <td>ACP-027</td> <td>27</td> </tr> <tr> <td>Code</td> <td>H</td> </tr> </table>	ACP-365	36.5	AC∞90联轴器 Connector for AC∞90	ACP-027	27	Code	H		
DCP-315	31.5	CMA用联轴器 Connector for CMA																
ACP-195	19.5																	
Code	H																	
ACP-365	36.5	AC∞90联轴器 Connector for AC∞90																
ACP-027	27																	
Code	H																	
 <table border="1"> <tr> <td>DCP-035</td> <td>35</td> <td rowspan="4">4.5" DC电机联轴器 Connector for 4.5 DC motor</td> </tr> <tr> <td>DCP-038</td> <td>38</td> </tr> <tr> <td>DCP-048</td> <td>48</td> </tr> <tr> <td>Code</td> <td>H</td> </tr> </table>	DCP-035	35	4.5" DC电机联轴器 Connector for 4.5 DC motor	DCP-038	38	DCP-048	48	Code	H	 <table border="1"> <tr> <td>MCP-046</td> <td>46</td> <td rowspan="3">YL电机用联轴器 Connector for YL motor</td> </tr> <tr> <td>MCP-055</td> <td>55</td> </tr> <tr> <td>Code</td> <td>L</td> </tr> </table>	MCP-046	46	YL电机用联轴器 Connector for YL motor	MCP-055	55	Code	L	 ACP-645 C ∞90 B14 AC电机联轴器 Connector for ∞90 B14 AC motor
DCP-035	35	4.5" DC电机联轴器 Connector for 4.5 DC motor																
DCP-038	38																	
DCP-048	48																	
Code	H																	
MCP-046	46	YL电机用联轴器 Connector for YL motor																
MCP-055	55																	
Code	L																	

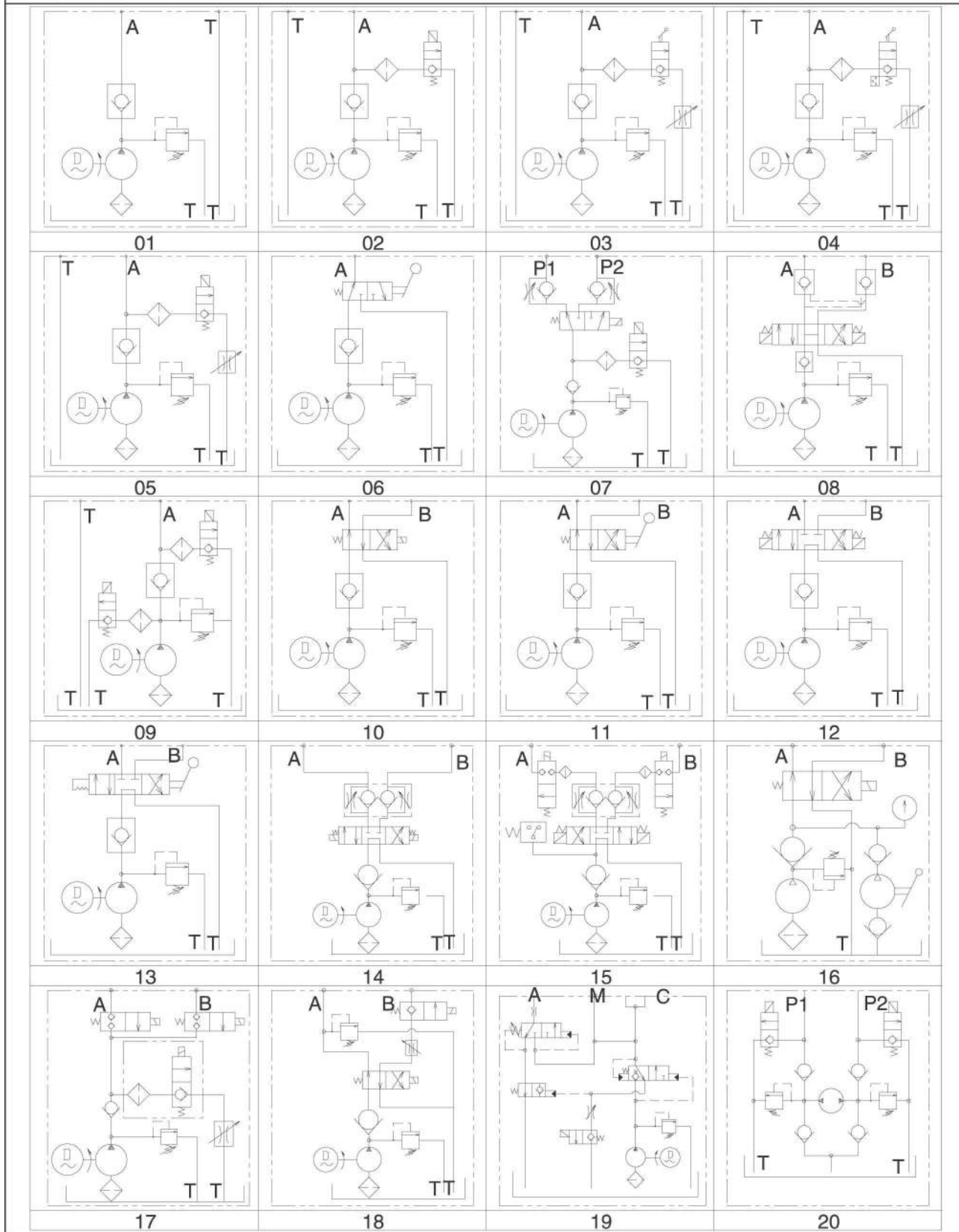
液压配套附件2

Accessories for Power Unit

 PP-** Plastic plug 塑料堵头	序号 Item	规格 Size	型号 Code	序号 Item	规格 Size	型号 Code
	1	G1/4"	PP-02	5	9/16"	PP-09
	2	G3/8"	PP-03	6	M14*1.5	PP-14
	3	G1/2"	PP-04	7	M16*1.5	PP-16
 SP-** Steel Plug 铁堵头	序号 Item	规格 Size	型号 Code	序号 Item	规格 Size	型号 Code
	1	G1/4"	SP-02	5	9/16"	SP-09
	2	G3/8"	SP-03	6	M14*1.5	SP-14
	3	G1/2"	SP-04	7	M16*1.5	SP-16
 RCW Rubber Combined Washer 组合垫圈	序号 Item	规格 Size	型号 Code	序号 Item	规格 Size	型号 Code
	1	G1/4"	SP-02	5	9/16"	SP-09
	2	G3/8"	SP-03	6	M14*1.5	SP-14
	3	G1/2"	SP-04	7	M16*1.5	SP-16
 TCFP Test coupling for pressure checking 测压接头	序号 Item	规格 Size	型号 Code	序号 Item	规格 Size	型号 Code
	1	G1/4"	SP-02	5	9/16"	SP-09
	2	G3/8"	SP-03	6	M14*1.5	SP-14
	3	G1/2"	SP-04	7	M16*1.5	SP-16
 FMS Manometer switch 压力表开关	序号 Item	规格 Size	型号 Code	序号 Item	规格 Size	型号 Code
	1	G1/4"	SP-02	5	9/16"	SP-09
	2	G3/8"	SP-03	6	M14*1.5	SP-14
	3	G1/2"	SP-04	7	M16*1.5	SP-16
 BV02 Two way ball valve 两通球阀	序号 Item	规格 Size	型号 Code	序号 Item	规格 Size	型号 Code
	1	G1/4"	SP-02	5	9/16"	SP-09
	2	G3/8"	SP-03	6	M14*1.5	SP-14
	3	G1/2"	SP-04	7	M16*1.5	SP-16
 BV03 Three way ball valve 三通球阀	序号 Item	规格 Size	型号 Code	序号 Item	规格 Size	型号 Code
	1	G1/4"	SP-02	5	9/16"	SP-09
	2	G3/8"	SP-03	6	M14*1.5	SP-14
	3	G1/2"	SP-04	7	M16*1.5	SP-16
 FUC Universal coupling 万向管接头	序号 Item	规格 Size	型号 Code	序号 Item	规格 Size	型号 Code
	1	G1/4"	SP-02	5	9/16"	SP-09
	2	G3/8"	SP-03	6	M14*1.5	SP-14
	3	G1/2"	SP-04	7	M16*1.5	SP-16
 FM82 Mounting bracket 安装底座	序号 Item	规格 Size	型号 Code	序号 Item	规格 Size	型号 Code
	1	G1/4"	SP-02	5	9/16"	SP-09
	2	G3/8"	SP-03	6	M14*1.5	SP-14
	3	G1/2"	SP-04	7	M16*1.5	SP-16
 PCDM Plastic cover for DC motor 电机护罩	序号 Item	规格 Size	型号 Code	序号 Item	规格 Size	型号 Code
	1	G1/4"	SP-02	5	9/16"	SP-09
	2	G3/8"	SP-03	6	M14*1.5	SP-14
	3	G1/2"	SP-04	7	M16*1.5	SP-16
 FMC90 90° Frame motor connector 90°电机接盘	序号 Item	规格 Size	型号 Code	序号 Item	规格 Size	型号 Code
	1	G1/4"	SP-02	5	9/16"	SP-09
	2	G3/8"	SP-03	6	M14*1.5	SP-14
	3	G1/2"	SP-04	7	M16*1.5	SP-16

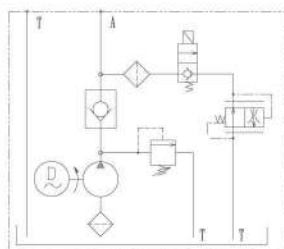
液压原理图

Hydraulic Circuit Optional

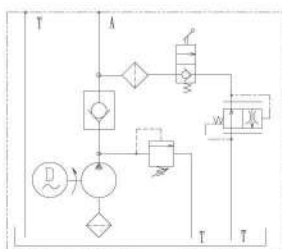


液压原理图

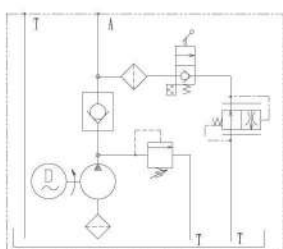
Hydraulic Circuit Optional



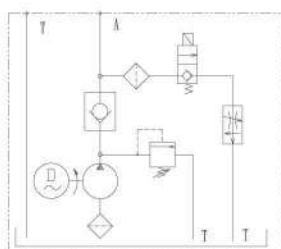
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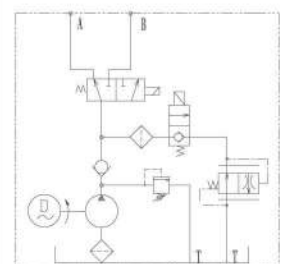
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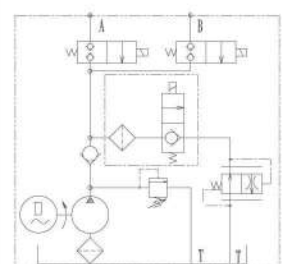
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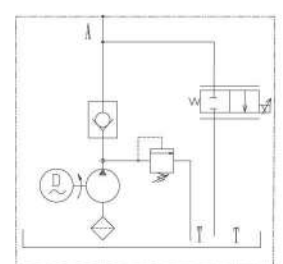
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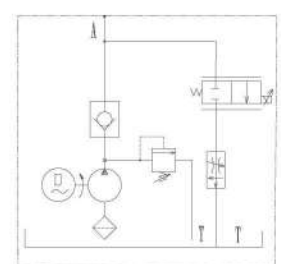
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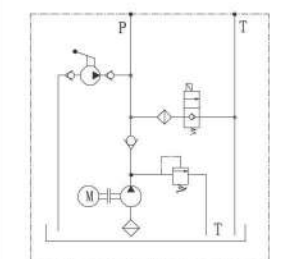
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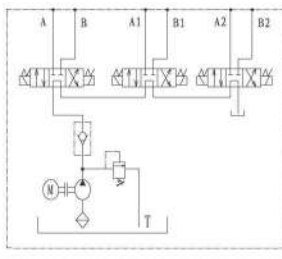
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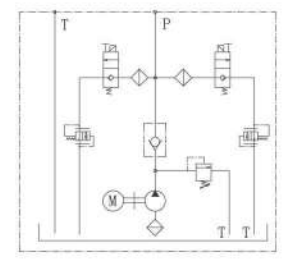
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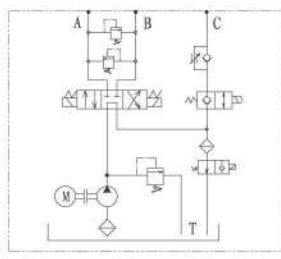
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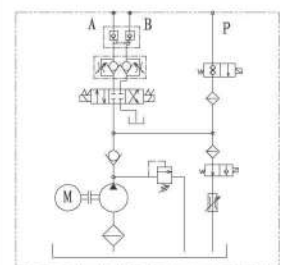
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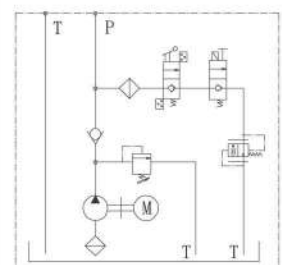
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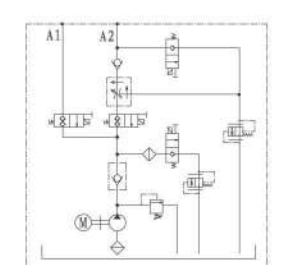
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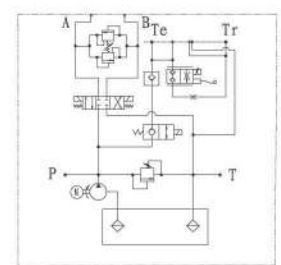
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34



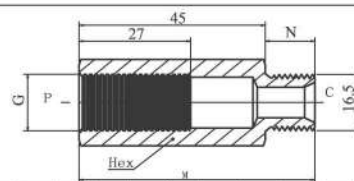
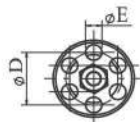
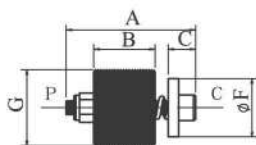
35



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防爆阀

Load holding valves



TYPE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Hex	Hex1	Hex2
RV02	19	10	4.5	8.5	2.25	9.5	G1/4"	See Graph	24	31	49	12	6	19	2.5	5.5		
RV03	23	10.5	5	10.5	3.5	12.5	G3/8"		27	42	49	12	6	22	2.5	5.5		
RV04	29	13	6	13	4.5	15	G1/2"		34	50	68	14	12	27	3	9		
RV15	19	10	4.5	8.5	2.25	9.5	M14×1.5		24	34	49	12	6	19	2.5	5.5		
RV16	23	10.5	5	10.5	3.5	12.5	M16×1.5		27	42	67	12	6	22	2.5	5.5		

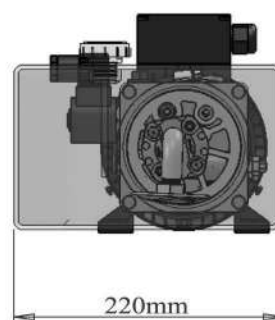
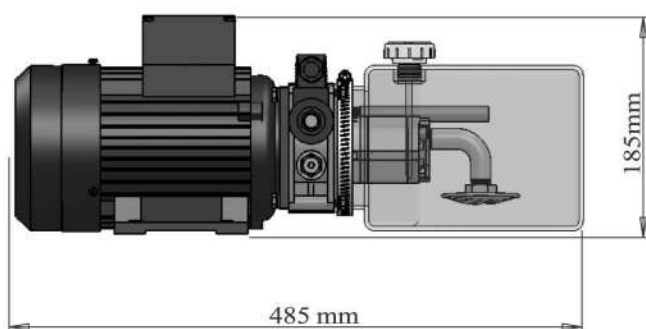
动力单元运用目录 Power Unit for Application List				
序号 Item	型号 Code	标准应用产品 Standard Application	原理图 Circuit	阀块类型 Center Manifold
1	APU-TL21A	升降平台 Table Lift	21	CMA
2	DPU-TL21E	升降平台 Table Lift	21	CME
3	APU-TL21D3	升降平台 Table Lift	21	CMD3
4	DPU-MH21A	托盘车 Material Handling	21	CMA
5	DPU-MH21B3	托盘车 Material Handling	21	CMB3
6	DPU-MES23B1	半电动堆高车 Manual Electric Stacker	23	CMB1
7	DPU-MES23B2	半电动堆高车 Manual Electric Stacker	23	CMB2
8	DPU-MES23B3	半电动堆高车 Manual Electric Stacker	23	CMB3
9	DPU-MES23F	半电动堆高车 Manual Electric Stacker	23	CMF
10	DPU-EPT21C	全电动搬运车 Electric Pallet Truck	21	CMC
11	DPU-EPT21F	全电动搬运车 Electric Pallet Truck	21	CMF
12	DPU-ES21F	全电动堆高车 Electric Stacker	21	CMF
13	DPU-ES31C	全电动堆高车 Electric Stacker	31	CMC
14	DPU-AES23D3	变速电动堆高车 Adjustable Electric Stacker	23	CMD3
15	DPU-EWP09B1	高空作业平台 Electric Work Platform	9	CMB1
16	APU-EWP21F	高空作业平台 Electric Work Platform	21	CMF
17	DPU-AOP21B2	高空取料机 Aerial Order Picker	21	CMB2
18	APU-CL03B1	汽车升降机 Car Lift	3	CMB1
19	APU-CL05D1	汽车升降机 Car Lift	5	CMD1
20	APU-CL17C	汽车升降机 Car Lift	17	CMC
21	DPU-TG07F	汽车尾板 Tail Gate	7	CMF
22	APU-DL19L	登车桥 Dock Leveller	19	CML
23	DPU-TC14C	环保加盖车 Truck covering	14	CMC
24	APU-TC30C	扒胎机 Tyre Changer	30	CMC
25	DPU-IL29B3	残疾人车 Invalid Lift	29	CMB3
26	DPU-SP32C	扫雪车 Snow Plow	32	CMC
27	DPU-ESP24220	应急转向泵 Enmergency Steering Pump		NON
28	DPU-ESP24300	应急转向泵 Enmergency Steering Pump		NON

升降平台用动力单元(一)

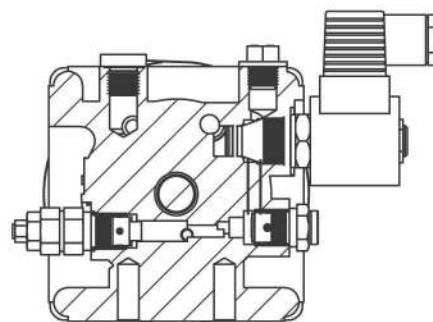
Power Unit for Table Lift (Type One)

为升降平台提供升降功能。采用CMA型压铸阀块，定量压补阀，保持下降平稳。

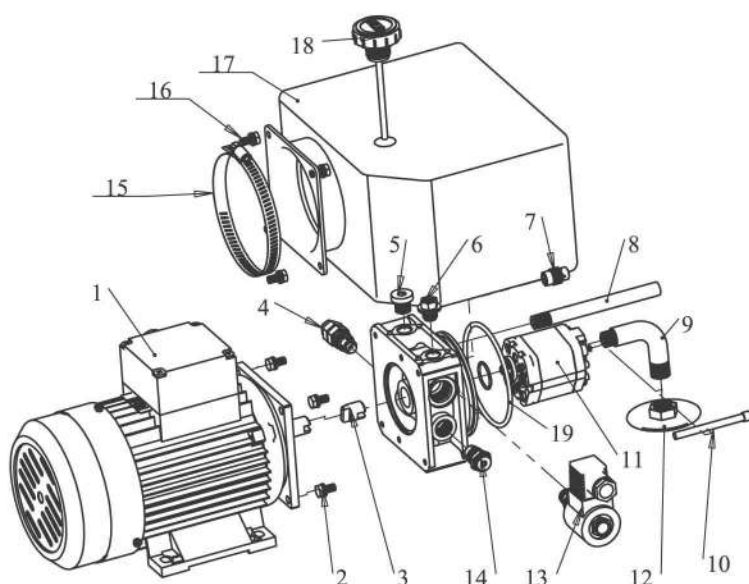
Specially designed for Table Lift, CMA manifold, with the function of power lift and gravity lowering. The fixed compensated valve maintaining the lowering in steady speed.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMA	
MOTOR	380V 0.75KW 2800RPM 3PH 50HZ	
PUMP	1.0CC/Rev.	
RELIEF	18Mpa	
OIL PORTS	G 1/4"	
TANK	3.5L	
MOUNTING	HORIZONTAL	
RPCV	5L/min	



中心阀块: CMA



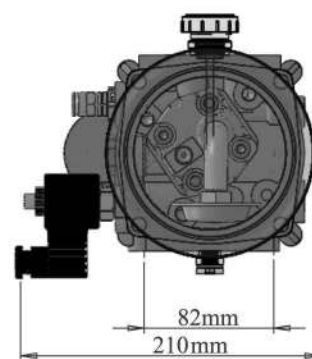
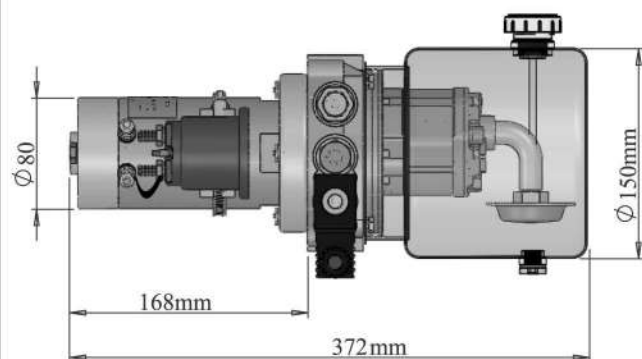
ITEM	DESCRIPTION	TYPE	QTY.
1	电机	MS380075-2F	1
2	螺栓	M6X20	4
3	联轴器	ACP-195	1
4	溢流阀	RV-06	1
5	铁堵头	SP-02	1
6	塑料堵头	PP-02	1
7	压补阀	RPCV-02-05	1
8	回油管	M10 X 120	1
9	吸油管	FP-02A	1
10	螺栓	M5X70	2
11	泵	CBU-F1100	1
12	滤网	FS-03B	1
13	控制阀	SCV-012DC	1
14	单向阀	CV-06	1
15	卡箍	KG91X113	1
16	螺栓	M6X15	4
17	油箱	3.5L-TP094B205-H	1
18	油箱盖	FC-04	1
19	O型圈	Ø875X355	1

升降平台用动力单元(二)

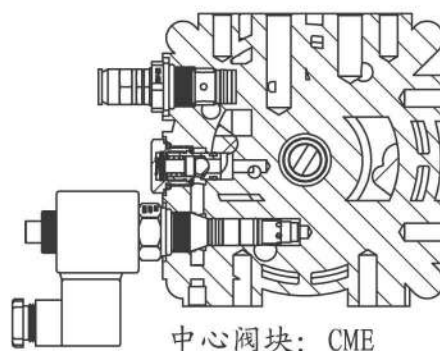
Power Unit for Table Lift (Type Two)

为升降平台提供升降功能。采用CME型压铸阀块，定量压补阀，保持下降平稳。

Specially designed for Table Lift, CME manifold, with the function of power lift and gravity lowering. The fixed compensated valve maintaining the lowering in steady speed.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CME	
MOTOR	12V 800W	
PUMP	1.0CC/Rev.	
RELIEF	18Mpa	
OIL PORTS	G 1/4"	
TANK	2L	
MOUNTING	HORIZONTAL	
RPCV	3L/min	



中心阀块: CME

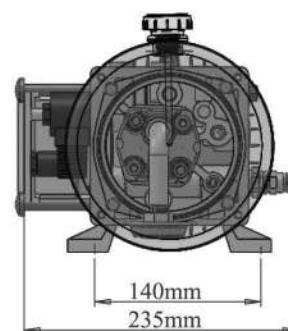
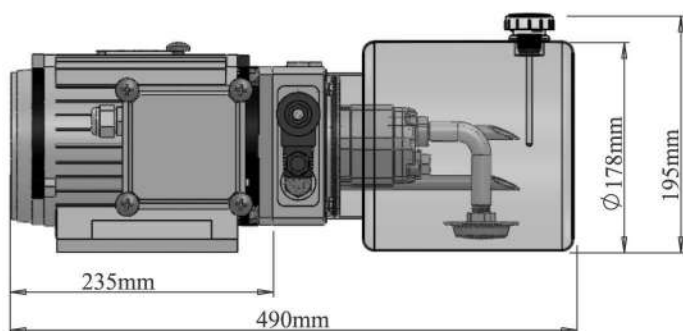
		ITEM DESCRIPTION	TYPE	QTY.
	1	电机	MD12080SY	1
	2	软连接线	RSWC	1
	3	接触器	DK0312	1
	4	卡箍	KG91X113	1
	5	螺栓	M6X30	4
	6	联轴器	DCP-048	1
	7	溢流阀	RV-02	1
	8	控制阀	SCV (E)-Y012DC	1
	9	压补阀	RPCV-01-03	1
	10	单向阀	CV-01	1
	11	螺栓	M6X15	4
	12	O型圈	Ø112X4	1
	13	泵	CBK-F110	1
	14	螺栓	M8X80	2
	15	滤网	FS-03B	1
	16	吸油管	FP-03B	1
	17	油箱	2L-TS120A210-H	1
	18	油箱盖	FC-04	1
	19	堵头	M12X125	1

升降平台用动力单元(三)

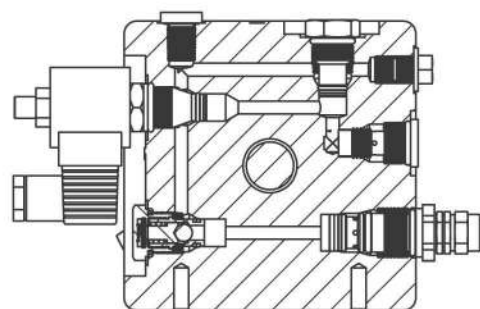
Power Unit for Table Lift (Type Three)

为升降平台提供升降功能。采用CMD3型压铸阀块，定量压补阀，保持下降平稳。

Specially designed for Table Lift, CMD3 manifold, with the function of power lift and gravity lowering. The fixed compensated valve maintaining the lowering in steady speed.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMD3	
MOTOR	380V 2.2KW 1400RPM 3PH 50HZ	
PUMP	4.2CC/Rev.	
RELIEF	18Mpa	
OIL PORTS	G 1/4"	
TANK	4L	
MOUNTING	HORIZONTAL	
RPCV	6L/min	



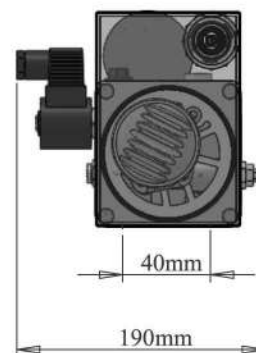
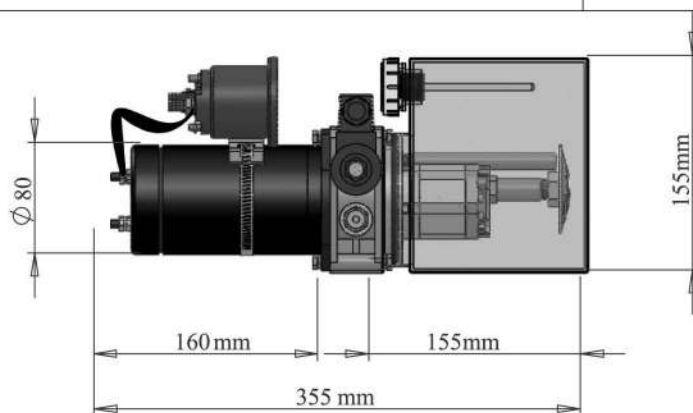
中心阀块: CMD3

		ITEM DESCRIPTION	TYPE	QTY.
	1	电机	MS380220-4	1
	2	联轴器	ACP-365	1
	3	螺栓	M8X30	4
	4	控制阀	SCV-024DC	1
	5	单向阀	CV-01	1
	6	铁堵头	SP-02	2
	7	堵头	VCP-06	1
	8	压补阀	RPCV-02-06	1
	9	铁堵头	SP-06	1
	10	塑料堵头	PP-02	1
	11	溢流阀	RV-03	1
	12	螺栓	M6X15	4
	13	O型圈	Ø112X4	1
	14	泵	CBK-F142	1
	15	螺栓	M8X90	2
	16	吸油管	FP-03B	1
	17	滤网	FS-03B	1
	18	回油管	M12X170	2
	19	油箱	4L-TS120T210-H	1
	20	油箱盖	FC-04	1

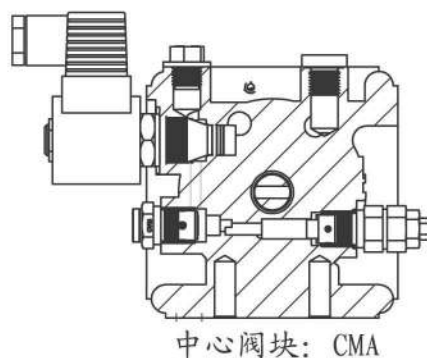
电动托盘车用动力单元(一) Power Unit for Material Handling(Type One)

为小型电动托盘车提供升降功能。采用CMA型压铸阀块，定量压补阀，保持下降平稳。

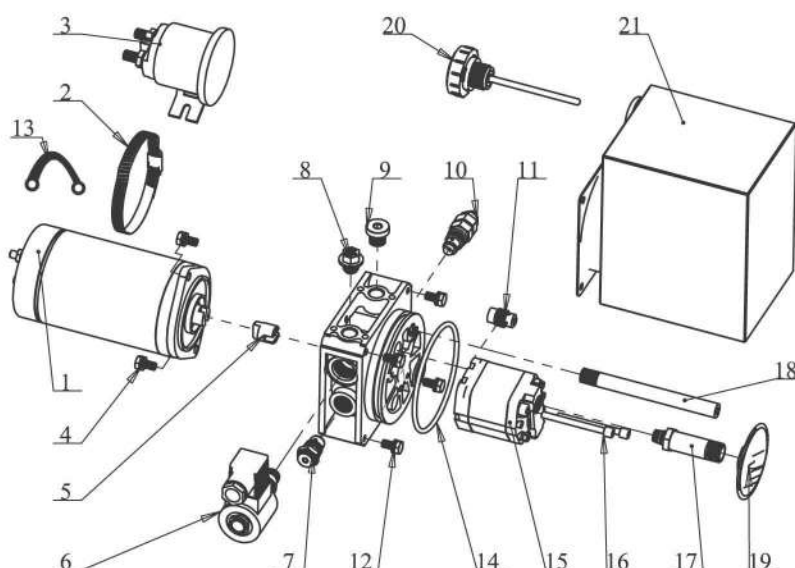
Specially designed for Material Handling, CMA manifold, with the function of power lift and gravity lowering.The fixed compensated valve maintaining the lowering in steady speed.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMA	
MOTOR	24V 800W	
PUMP	1.0CC/Rev.	
RELIEF	18Mpa	
OIL PORTS	G 1/4"	
TANK	1.5L	
MOUNTING	VERTICAL	
RPCV	2L/min	



中心阀块: CMA



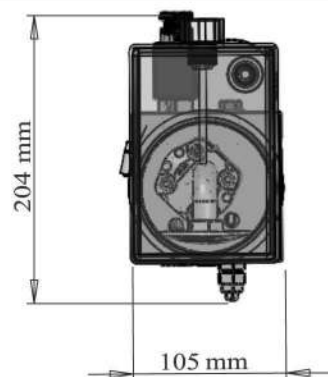
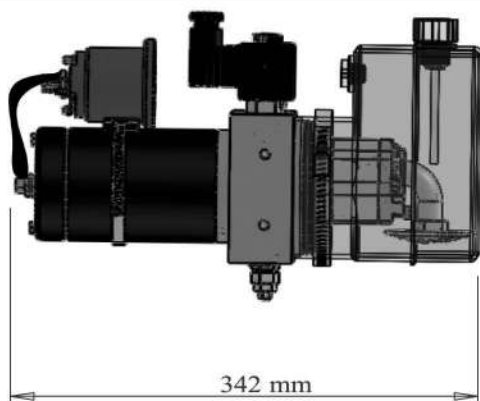
ITEM	DESCRIPTION	TYPE	QTY.
1	电机	MD24080AE	1
2	卡箍	KG91X113	1
3	接触器	DK0324A	1
4	螺栓	M6X30	2
5	联轴器	DCP-315	1
6	控制阀	SCV-024DC	1
7	单向阀	CV-06	1
8	塑料堵头	PP-02	1
9	铁堵头	SP-02	1
10	溢流阀	RV-06	1
11	压补阀	RPCV-02-02	1
12	螺栓	M6X15	4
13	软连接线	RSWC	1
14	O型圈	Ø87.5X3.55	1
15	泵	CBU-F1100	1
16	螺栓	M5X70	2
17	吸油管	Z1/4X70	1
18	回油管	M10X120	1
19	滤网	FS-03B	1
20	油箱盖	FC-04	1
21	油箱	1.5L-TS094F130-V	1

电动托盘车用动力单元(二)

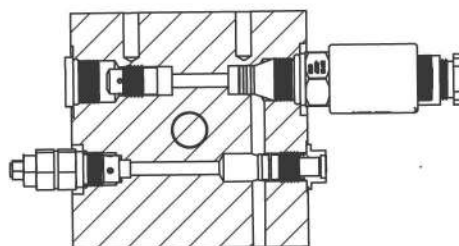
Power Unit for Material Handling(Type Two)

为小型电动托盘车提供升降功能。采用CMB3型阀块，定量压补阀，保持下降平稳。

Specially designed for Material Handling, CMB3 manifold, with the function of power lift and gravity lowering. The fixed compensated valve maintaining the lowering in steady speed.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMB3	
MOTOR	24V 800W	
PUMP	1.0CC/Rev.	
RELIEF	13Mpa	
OIL PORTS	G 1/4"	
TANK	1L	
MOUNTING	HORIZONTAL	
RPCV	4L/min	



中心阀块: CMB3

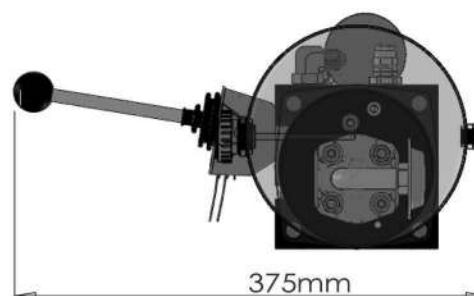
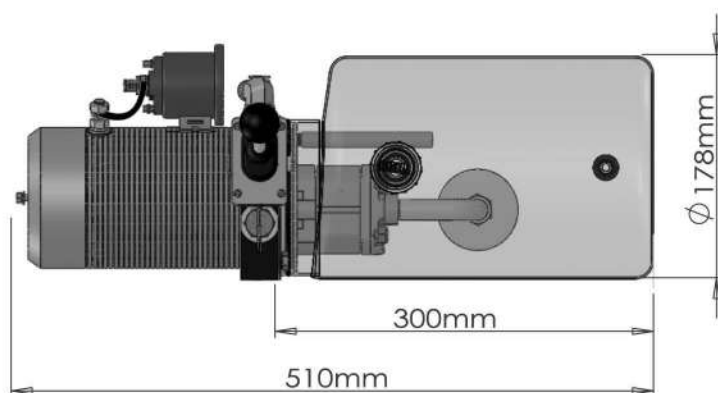
		ITEM DESCRIPTION	TYPE	QTY.
	1	软连接线	RSWC	1
	2	电机	MD24080AN	1
	3	接触器	DK0324A	1
	4	卡箍	KG91X113	1
	5	联轴器	DCP-465	1
	6	控制阀	SCV-024DC	1
	7	塑料堵头	PP-02	1
	8	单向阀	CV-03	1
	9	溢流阀	RV-06	1
	10	压补阀	RPCV-02-04	1
	11	铁堵头	SP-06	1
	12	O型圈	Ø21. 2X1. 8	1
	13	O型圈	Ø87. 5X3. 55	1
	14	泵	CBU-F1100	1
	15	螺栓	M5X70	2
	16	吸油管	FP-02A	1
	17	滤网	FS-03B	1
	18	油箱盖	FC-03	1
	19	卡箍	KG91X113	1
	20	油箱	1L-TP094C140-H	1

半电动堆高车用动力单元(一)

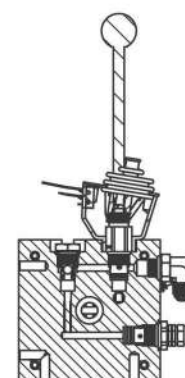
Power Unit for Manual Electric Stacker(Type One)

为半电动堆高车提供升降功能。采用CMB1型阀块，定量压补阀，保持下降平稳。

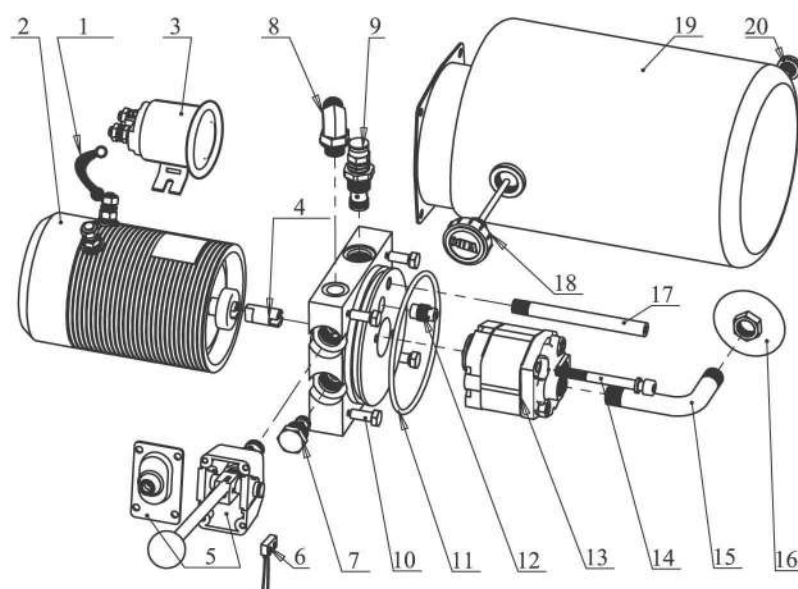
Specially designed for Manual Electric Stacker, CMB1 pressure manifold, with the function of power lift and gravity lowering.
The fixed compensated valve maintaining the lowering in steady speed.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMB1	
MOTOR	12V 1.6KW	
PUMP	2.0CC/Rev.	
RELIEF	18Mpa	
OIL PORTS	G 3/8"-M16X1.5	
TANK	6L	
MOUNTING	HORIZONTAL	
RPCV	6L/min	



中心阀块: CMB1



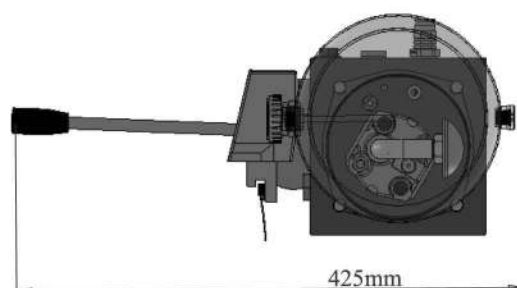
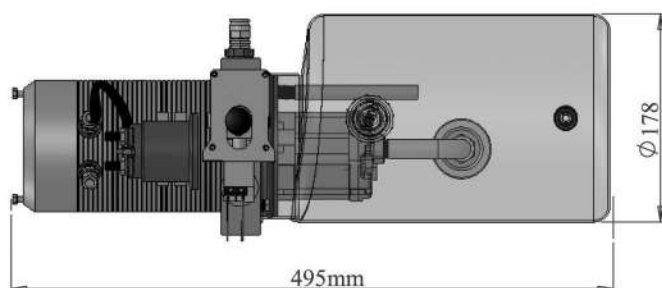
ITEM	DESCRIPTION	TYPE	QTY.
1	软连接线	RSWC	1
2	电机	MD12160S	1
3	接触器	DK0312	1
4	联轴器	DCP-035	1
5	手动阀	MV-02	1
6	微动开关	MSDC-1	1
7	单向阀	CV-01	1
8	万向接头	FUC	1
9	溢流阀	RV-02	1
10	螺栓	M6X15	4
11	O型圈	Ø112X4	1
12	压补阀	RPCV-02-06	1
13	齿轮泵	CBK-F120	1
14	螺栓	M8X80	2
15	吸油管	FP-03B	1
16	滤网	FS-03B	1
17	回油管	M10X150	1
18	油箱盖	FC-04	1
19	油箱	6L-TS120D300-CH	1
20	堵头	M12X125	1

半电动堆高车用动力单元(二)

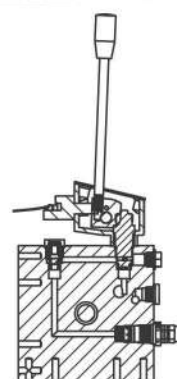
Power Unit for Manual Electric Stacker(Type Two)

为半电动堆高车提供升降功能。采用CMB2型阀块，定量压补阀，保持下降平稳。

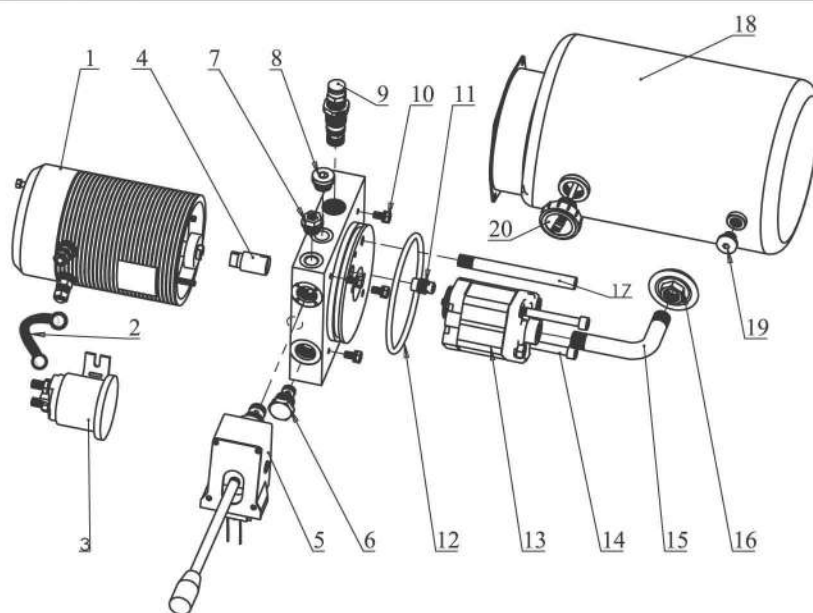
specifically designed for Manual Electric Stacker, CMB2 pressure manifold, with the function of power lift and gravity lowering.
The fixed compensated valve maintaining the lowering in steady speed.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMB2	
MOTOR	12V 1.6KW	
PUMP	2.0CC/Rev.	
RELIEF	18Mpa	
OIL PORTS	M16X1.5	
TANK	4L	
MOUNTING	HORIZONTAL	
RPCV	8L/min	



中心阀块: CMB2



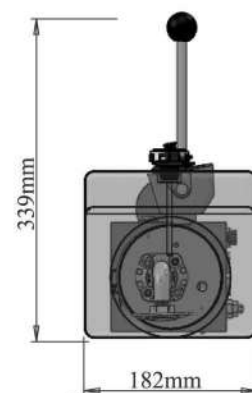
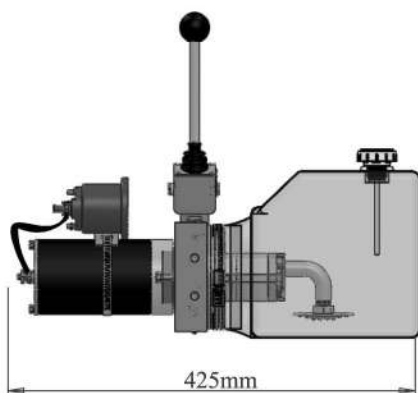
ITEM	DESCRIPTION	TYPE	QTY.
1	电机	MD12160S	1
2	软连接线	RSWC	1
3	接触器	DK0312	1
4	联轴器	DCP-038	1
5	手动阀	MV-03	1
6	单向阀	CV-01	1
7	塑料堵头	PP-16	1
8	铁堵头	SP-02	1
9	溢流阀	RV-03	1
10	螺栓	M6X15	4
11	压补阀	RPCV-02-08	1
12	O型圈	Ø112X4	1
13	泵	CBK-F120	1
14	螺栓	M8X80	2
15	吸油管	FP-03B	1
16	滤网	FS-03B	1
17	回油管	M10X170	2
18	油箱	4L-TS120C225-CH	1
19	堵头	M12X125	1
20	油箱盖	FC-04	1

半电动堆高车用动力单元(三)

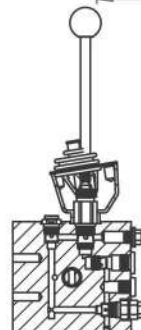
Power Unit for Manual Electric Stacker(Type Three)

为半电动堆高车提供升降功能。采用CMB3型阀块，定量压补阀，保持下降平稳。

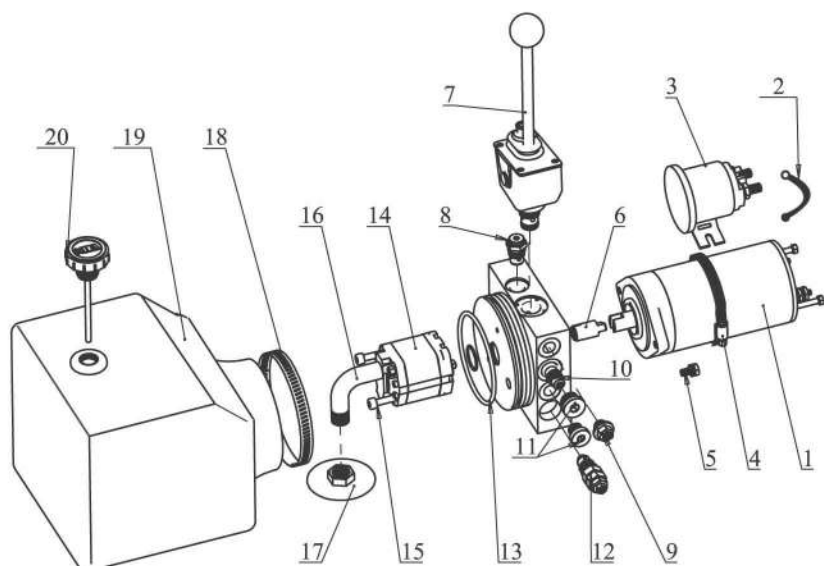
Specially designed for Manual Electric Stacker, CMB3 manifold, with the function of power lift and gravity lowering. The fixed compensated valve maintaining the lowering in steady speed.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMB3	
MOTOR	12V 800W	
PUMP	0.65CC/Rev.	
RELIEF	18Mpa	
OIL PORTS	G1/4"	
TANK	1.5L	
MOUNTING	HORIZONTAL	
RPCV	4L/min	



中心阀块: CMB3



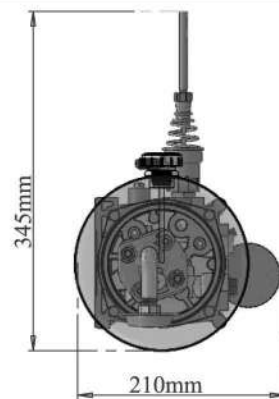
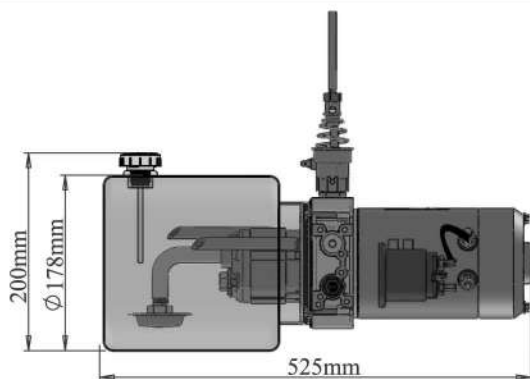
ITEM	DESCRIPTION	TYPE	QTY.
1	电机	MD12080AE	1
2	软连接线	RSWC	1
3	接触器	DK0312	1
4	卡箍	KG91X113	1
5	螺栓	M5X25	2
6	联轴器	DCP-315	1
7	手动阀	MV-02	1
8	单向阀	CV-06	1
9	堵头	PV-03	1
10	压补阀	RPCV-02-04	1
11	堵头	SVP-02	2
12	溢流阀	RV-06	1
13	O型圈	Ø875X355	1
14	泵	CBU-F1065	1
15	螺栓	M5X60	2
16	吸油管	FP-02A	1
17	滤网	FS-03B	1
18	卡箍	KG113X135	1
19	油箱	1.7L-TP110C170-H	1
20	油箱盖	FC-04	1

半电动堆高车用动力单元(四)

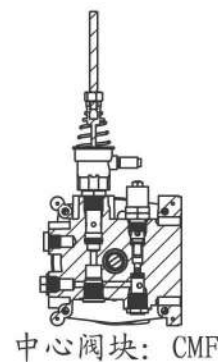
Power Unit for Manual Electric Stacker(Type Four)

为半电动堆高车提供升降功能。采用CMF型阀块，定量压补阀，保持下降平稳。

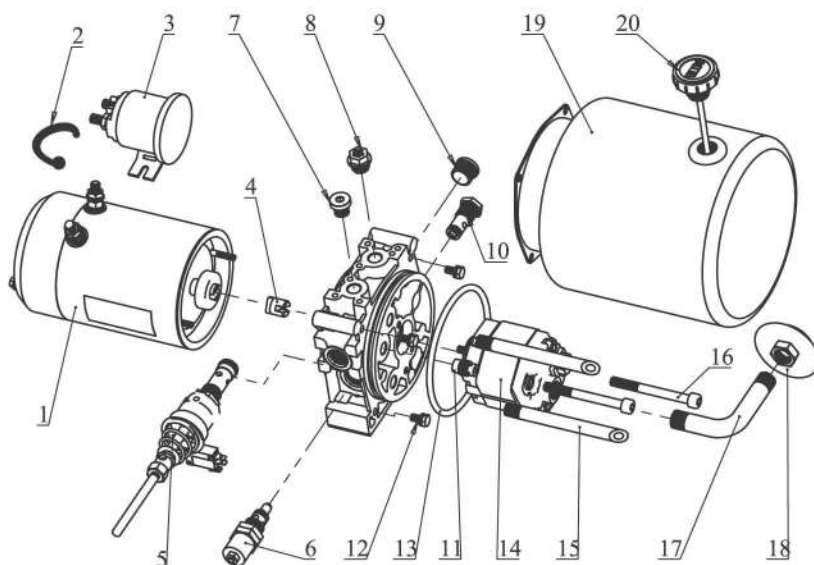
Specially designed for Manual Electric Stacker, CMF manifold, with the function of power lift and gravity lowering. The fixed compensated valve maintaining the lowering in steady speed.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMF	
MOTOR	12V 1.6KW	
PUMP	2.0CC/Rev.	
RELIEF	18Mpa	
OIL PORTS	G3/8"	
TANK	6L	
MOUNTING	HORIZONTAL	
RPCV	8L/min	



中心阀块: CMF



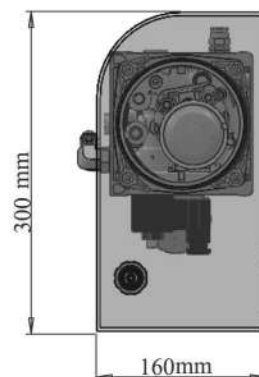
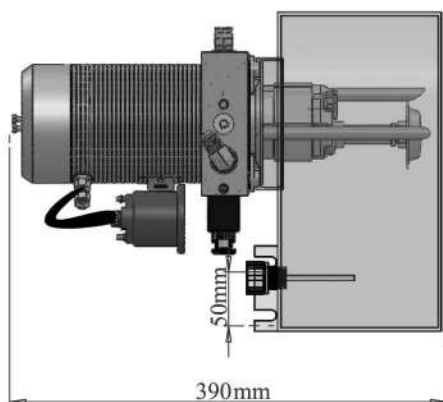
ITEM	DESCRIPTION	TYPE	QTY.
1	电机	MD12160A	1
2	软连接线	RSWC	1
3	接触器	DK0312	1
4	联轴器	DCP-048	1
5	手动阀	MV-04	1
6	溢流阀	RV-04	1
7	铁堵头	SP-02	1
8	塑料堵头	PP-03	1
9	铁堵头	SP-06	1
10	单向阀	CV-04	1
11	压补阀	RPCV-02-08	1
12	螺栓	M6X15	4
13	O型圈	Φ112X4	1
14	泵	CBK-F120	1
15	回油管	M12X170	2
16	螺栓	M8X80	2
17	吸油管	FP-03B	1
18	滤网	FS-03B	1
19	油箱	6L-TS120C300-H	1
20	油箱盖	FC-04	1

全电动搬运车用动力单元(一)

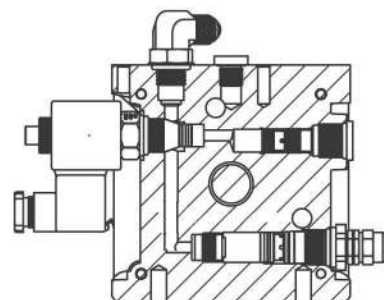
Power Unit for Electric Pallet Truck(Type One)

为全电动搬运车提供升降功能。采用CMC型压铸阀块，定量压补阀，保持下降平稳。

Specially designed for Electric Pallet Truck, CMC manifold, with the function of power lift and gravity lowering. The fixed compensated valve maintaining the lowering in steady speed.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMC	
MOTOR	24V 2.2KW	
PUMP	2.0CC/Rev.	
RELIEF	20Mpa	
OIL PORTS	G 3/8"-M16X1.5	
TANK	7L	
MOUNTING	VERTICAL	
RPCV	8L/min	



中心阀块: CMC

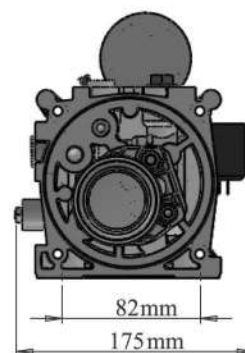
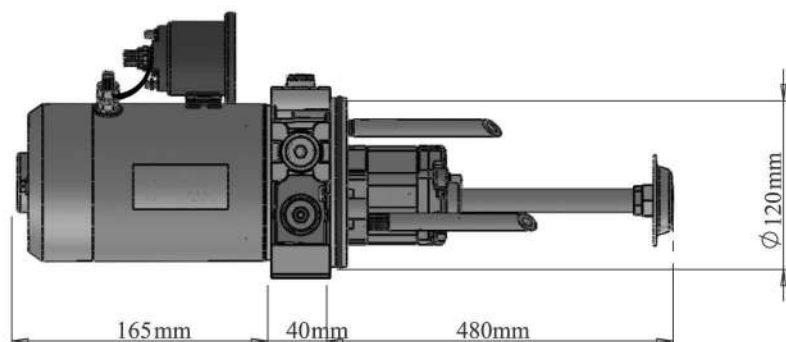
		ITEM DESCRIPTION	TYPE	QTY.
	1	电机	MD24220S	1
	2	软连接线	RSWC	1
	3	接触器	DK0324A	1
	4	联轴器	DCP-048	1
	5	螺栓	M6X65	1
	6	控制阀	SCV (E)-Y024DC	1
	7	万向接头	FUC	1
	8	塑料堵头	SP-02	1
	9	压补阀	RPCV-02-08	1
	10	塑料堵头	SP-06	1
	11	单向阀	CV-02	1
	12	溢流阀	RV-03	1
	13	O型圈	Ø112X4	1
	14	螺栓	M8X80	2
	15	泵	CBK-F120	1
	16	吸油管	Z3/8X70	1
	17	滤网	FS-03B	1
	18	回油管	M12X170	2
	19	油箱	7L-TS120F170-V	1
	20	油箱盖	FC-03	1

全电动搬运车用动力单元(二)

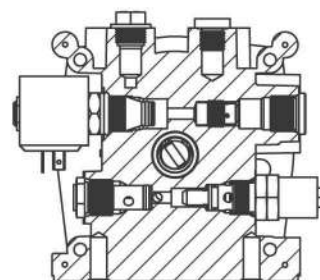
Power Unit for Electric Pallet Truck(Type Two)

为全电动搬运车提供升降功能。采用CMF型压铸阀块，定量压补阀，保持下降平稳。

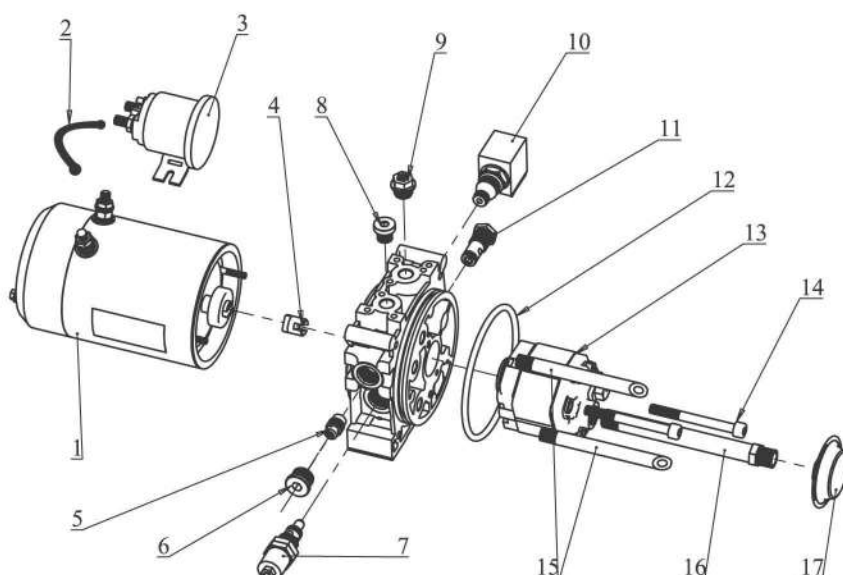
Specially designed for Electric Pallet Truck, CMF manifold, with the function of power lift and gravity lowering. The fixed compensated valve maintaining the lowering in steady speed.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMF	
MOTOR	24V 2.2KW	
PUMP	2.0CC/Rev.	
RELIEF	23Mpa	
OIL PORTS	G3/8"	
TANK	NON	
MOUNTING	VERTICAL	
RPCV	6L/min	



中心阀块: CMF



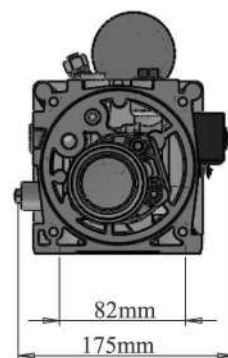
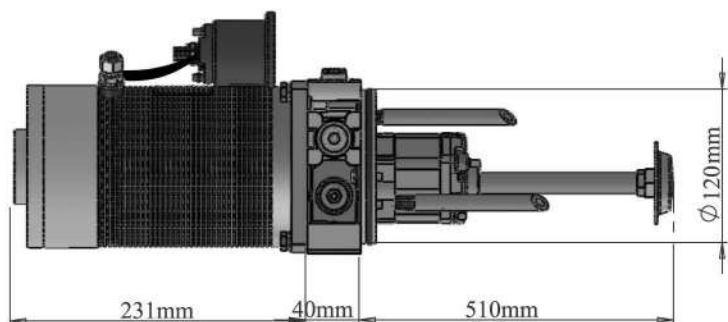
ITEM	DESCRIPTION	TYPE	QTY.
1	电机	MD24220S	1
2	软连接线	RSWC	1
3	接触器	DK0324A	1
4	联轴器	DCP-048	1
5	压补阀	RPCV-02-06	1
6	铁堵头	SP-06	1
7	溢流阀	RV-04	1
8	铁堵头	SP-02	1
9	塑料堵头	PP-03	1
10	控制阀	SCV (E)-Y024DC	1
11	单向阀	CV-04	1
12	O型圈	Ø 112X4	1
13	泵	CBK-F120	1
14	螺栓	M8X80	2
15	回油管	M12X480	2
16	吸油管	Z3/8X380	1
17	滤网	FS-03B	1

全电动堆高车用动力单元(一)

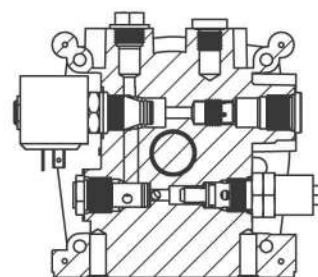
Power Unit for Electric Stacker(Type One)

为全电动堆高车提供升降功能。采用CMF型压铸阀块，定量压补阀，保持下降平稳。

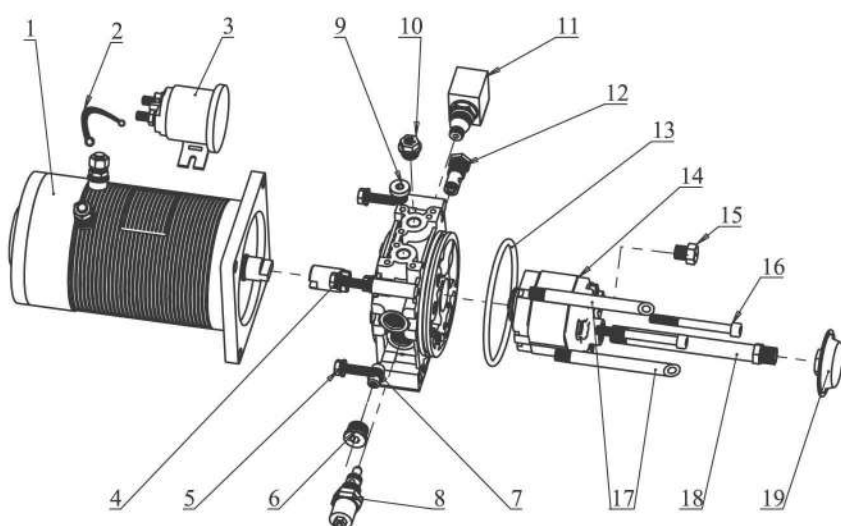
Specially designed for Electric Stacker, CMF manifold, with the function of power lift and gravity lowering. The fixed compensated valve maintaining the lowering in steady speed.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMF	
MOTOR	24V 3.0KW	
PUMP	3.3CC/Rev.	
RELIEF	16Mpa	
OIL PORTS	G3/8"	
TANK	NON	
MOUNTING	VERTICAL	
RPCV	8L/min	



中心阀块: CMF



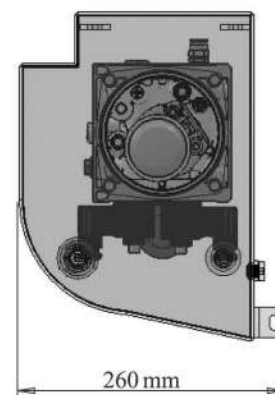
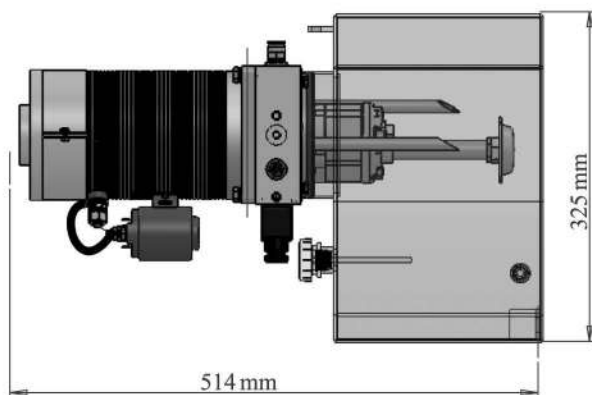
ITEM	DESCRIPTION	TYPE	QTY.
1	电机	MD24300	1
2	软连接线	RSWC	1
3	接触器	DK0324B	1
4	联轴器	ACP-365	1
5	螺栓	M8X30	4
6	铁堵头	SP-06	1
7	压补阀	RPCV-02-08	1
8	溢流阀	RV-04	1
9	铁堵头	SP-02	1
10	塑料堵头	PP-03	1
11	控制阀	SCV(E)-Y024DC	1
12	单向阀	CV-04	1
13	O型圈	Φ112X4	1
14	泵	CBK-F133	1
15	缓冲阀	HCF-D	1
16	螺栓	M8X80	2
17	回油管	M12X500	2
18	吸油管	Z3/8X400	1
19	滤网	FS-03B	1

全电动堆高车用动力单元（二）

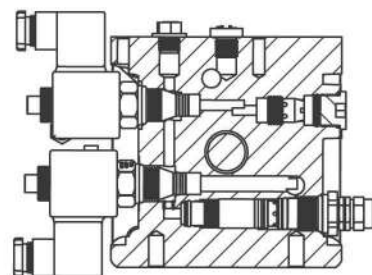
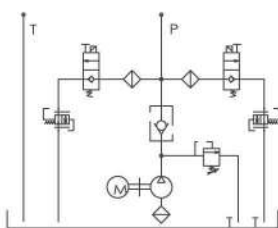
Power Unit for Electric Stacker (Type Two)

为全电动堆高车提供升降功能。采用CMC型压铸阀块，设有双电磁阀、双压补阀，实现两种不同的下降速度。

Specially designed for Electric Stacker, CMC manifold, with the two pcs fitted solenoid valves and compensated valves, support the lowering in two available speed. The fixed compensated valve maintaining the lowering in steady speed.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMC	
MOTOR	24V 3.0KW	
PUMP	3.3CC/Rev.	
RELIEF	16Mpa	
OIL PORTS	G1/4"	
TANK	10L	
MOUNTING	VERTICAL	
RPCV	12L/min	



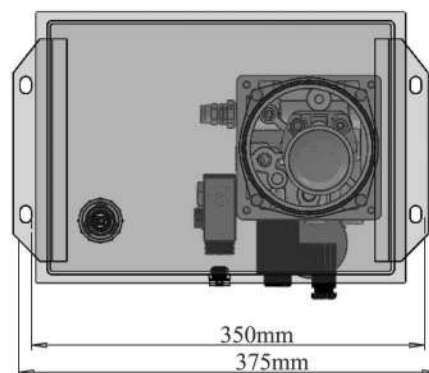
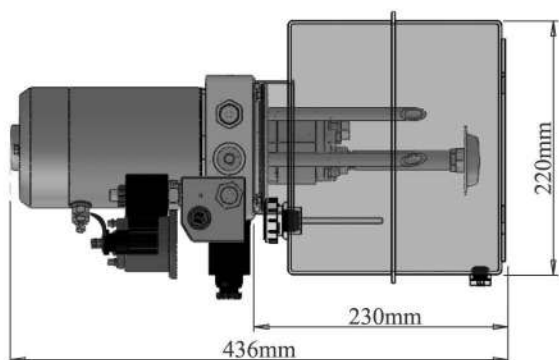
中心阀块: CMC

ITEM DESCRIPTION		TYPE	QTY.
1	电机	MD24300	1
2	接触器	DK0324B	1
3	螺栓	M8X30	4
4	联轴器	ACP-365	1
5	控制阀	SCV (E)-Y024DC	1
6	控制阀	SCV (E)-Y024DC	1
7	塑料堵头	PP-02	1
8	铁堵头	SP-02	1
9	压补阀	RPCV-02-12	1
10	铁堵头	SP-06	1
11	溢流阀	RV-03	1
12	单向阀	CV-02	1
13	压补阀	RPCV-03-03	1
14	螺栓	M6X15	4
15	O型圈	Ø112X4	1
16	回油管	M12X170	2
17	泵	CBK-F133	1
18	螺栓	M8X85	2
19	吸油管	Z3/8*120	1
20	滤网	FS-03B	1
21	油箱盖	FC-04	1
22	油箱	10L-TS120F200-V	1
23	堵头	M12X125	1

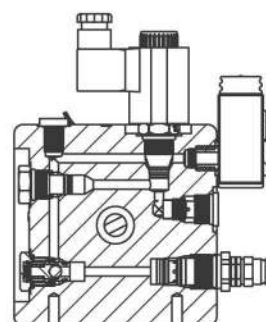
变速电动堆高车用动力单元 Power Unit for Adjustable Electric Stacker

为变速电动堆高车提供升降功能。采用CMD3型压铸阀块，设有比例电磁阀，实现堆高车上升、下降的无极变速。

Specially designed for Adjustable Electric Stacker, CMD3 manifold ,with the proportional solenoid valves,the raise and lowering can be controlled in stepless speed.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMD3	
MOTOR	24V 2.2KW	
PUMP	2.0CC/Rev.	
RELIEF	21Mpa	
OIL PORTS	M22X1.5	
TANK	12L	
MOUNTING	VERTICAL	
RPCV	13L/min	



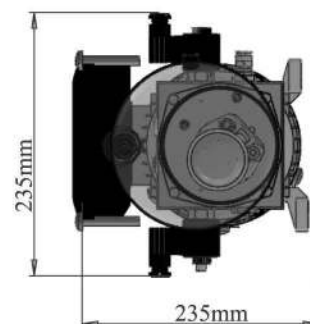
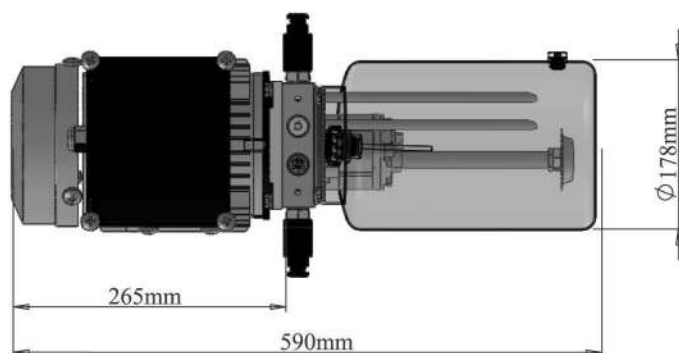
中心阀块: CMD3

ITEM DESCRIPTION		TYPE	QTY.
1	电机	MD24220A	1
2	软连接线	RSWC	1
3	接触器	DK0324A	1
4	联轴器	DCP-048	1
5	比例电磁阀	SCV-BL024DC	1
6	铁堵头	SP-02	2
7	堵头	VCP-06	1
8	单向阀	CV-01	1
9	压补阀	RPCV-02-13	1
10	铁堵头	SP-02	1
11	溢流阀	RV-03	1
12	过渡块	MB50-01	1
13	螺钉	KX-1D	1
14	塑料堵头	PP-22	1
15	电磁阀	SCV (E)-Y024DC	1
16	螺栓	M6X15	4
17	O型圈	ø112X4	1
18	齿轮泵	CBK-F120	1
19	螺栓	M8X80	2
20	吸油管	Z3/8X120	1
21	滤网	FS-03B	1
22	回油管	M12X170	2
23	油箱	12L-TS120F230-V	1
24	油箱盖	FC-04	1
25	堵头	M12X125	1

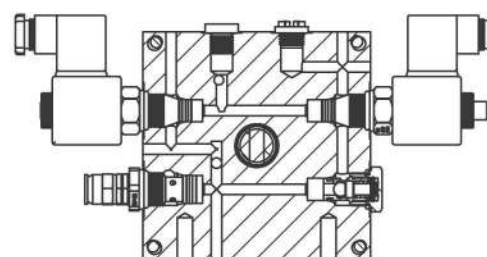
高空作业平台用动力单元(一) Power Unit for Electric Work Platform(Type One)

为高空作业平台提供升降功能。采用CMB1型阀块，双电磁阀实现电机无负载驱动。

Specially designed for Electric Work Platform, CMB1 manifold,with the function of power lift and gravity lowering.The fitted two pcs solenoid valves support the motor unloading start .



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMB1	
MOTOR	220V 1.5KW 2800RPM 1PH 50HZ	
PUMP	1.0CC/Rev.	
RELIEF	18Mpa	
OIL PORTS	G1/4"	
TANK	6L	
MOUNTING	VERTICAL	
RPCV	NON	



中心阀块：CMB1

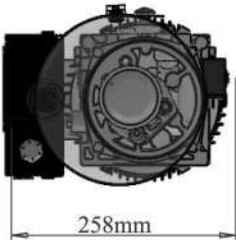
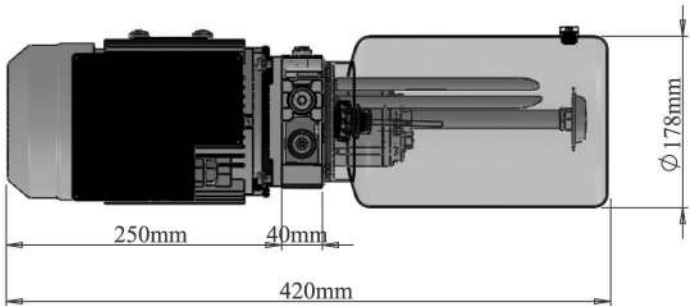
		ITEM DESCRIPTION	TYPE	QTY.
	1	电机	ML220150-2F	1
	2	联轴器	ACP-365	1
	3	螺栓	M8X30	4
	4	控制阀	SCV (E) -Y220AC	1
	5	单向阀	CV-01	1
	6	塑料堵头	PP-02	1
	7	铁堵头	SP-02	1
	8	两位两通电磁阀	SCV-220AC	1
	9	溢流阀	RV-02	1
	10	螺栓	M6X15	4
	11	O型圈	Ø112X4	1
	12	泵	CBK-F110	1
	13	螺栓	M8X75	2
	14	缓冲阀	HCF-D	1
	15	吸油管	Z3/8X175	1
	16	滤网	FS-03B	1
	17	回油管	M10X230	2
	18	堵头	M12X125	1
	19	油箱	6L-TS120C290-V	1
	20	油箱盖	FC-04	1

高空作业平台用动力单元(二)

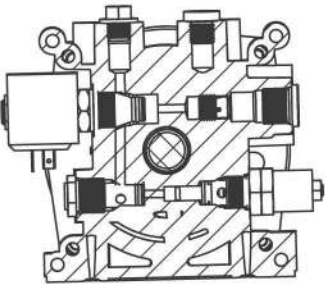
Power Unit for Electric Work Platform(Type Two)

为高空作业平台提供升降功能。采用CMF型压铸阀块，定量压补阀，保持下降平稳。

Specially designed for Electric Work Platform, CMF manifold, with the function of power lift and gravity lowering. The fixed compensated valve maintaining the lowering in steady speed.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMF	
MOTOR	220V 0.75KW 1400RPM 1PH 50HZ	
PUMP	1.6CC/Rev.	
RELIEF	18Mpa	
OIL PORTS	G 1/4"	
TANK	4L	
MOUNTING	VERTICAL	
RPCV	6L/min	



中心阀块: CMF

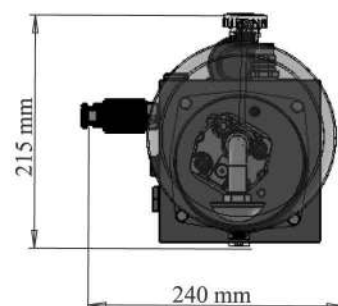
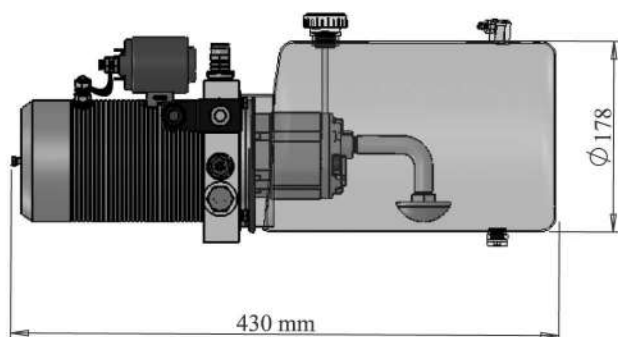
		ITEM DESCRIPTION	TYPE	QTY.
	1	电机	MS220075-4F	1
	2	联轴器	ACP-365	1
	3	螺栓	M8X30	4
	4	铁堵头	SP-02	1
	5	塑料堵头	PP-02	1
	6	控制阀	SCV (E)-M024DC	1
	7	单向阀	CV-04	1
	8	压补阀	RPCV-02-06	1
	9	铁堵头	SP-06	1
	10	溢流阀	RV-04	1
	11	螺栓	M6X15	4
	12	O型圈	Ø112X4	1
	13	泵	CBK-F116	1
	14	螺栓	M8X75	2
	15	缓冲阀	HCF-D	1
	16	回油管	M12X160	2
	17	吸油管	Z3/8X120	1
	18	滤网	FS-03B	1
	19	油箱	4L-TS120C225-V	1
	20	油箱盖	FC-04	1
	21	堵头	M12X125	1

高空取料机用动力单元

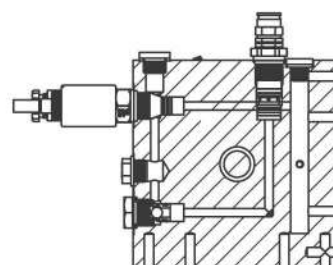
Power Unit for Aerial Order Picker

为高空取料机提供升降功能。采用CMB2型阀块，定量压补阀，保持下降平稳。手拽式电磁阀实现高空作业者断电状态下操作下降。

Specially designed for Aerial Order Picker, CMB2 manifold, with the function of power lift and gravity lowering. The fixed compensated valve maintaining the lowering in steady speed. The valve with the hand-pull feature to support the operator lower the platform in case of power off.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMB2	
MOTOR	12V 1.6KW	
PUMP	2.0CC/Rev.	
RELEF	18Mpa	
OIL PORTS	G1/4"	
TANK	4L	
MOUNTING	HORIZONTAL	
RPCV	8L/min	



中心阀块: CMB2

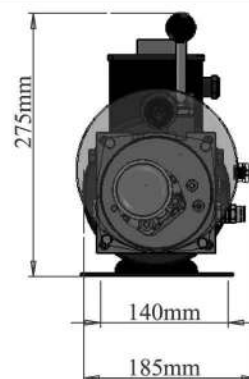
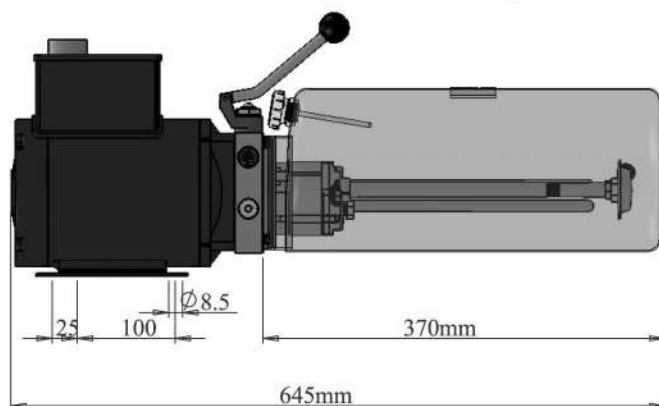
		ITEM DESCRIPTION	TYPE	QTY.
	1	电机	MD12160S	1
	2	软连接线	RSWC	1
	3	接触器	DK0312	1
	4	联轴器	DCP-038	1
	5	控制阀	SCV (E)-M012DC	1
	6	压补阀	RPCV-01-08	1
	7	塑料堵头	PP-02	1
	8	单向阀	CV-01	1
	9	铁堵头	SP-02	1
	10	溢流阀	RV-03	1
	11	铁堵头	SP-02	1
	12	螺栓	M6X15	4
	13	O型圈	Ø112X4	1
	14	泵	CBK-F120	1
	15	螺栓	M8X80	2
	16	吸油管	FP-03B	1
	17	滤网	FS-03B	1
	18	油箱盖	FC-04	1
	19	油箱	4-TS120C225-H	1
	20	堵头	M12X125	1

汽车举升机用动力单元(一)

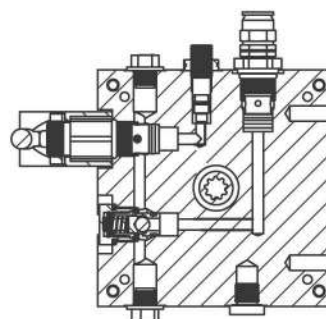
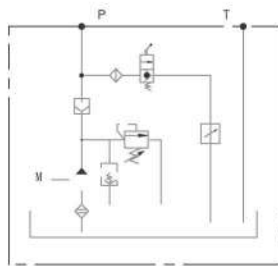
Power Unit for Car lift(Type One)

为双柱汽车举升机提供升降功能。采用CMB1型阀块，节流阀控制下降，可调节下降速度。

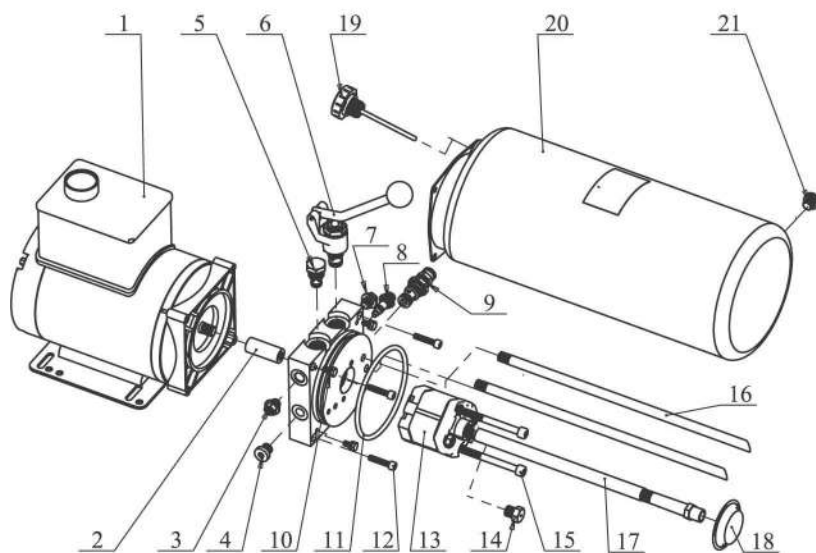
Specially designed for Two-poles Car Lift, CMB1 manifold,with the function of power lift and gravity lowering.The lowering speed can be controlled by manual adjustable flow valve



CENTER MANIFOLD	CMB1
MOTOR	380V 2.2KW 2800RPM 3PH 50HZ
PUMP	2.5CC/Rev.
RELIEF	18Mpa
OIL PORTS	G 1/4"
TANK	10L
MOUNTING	VERTICAL
RPCV	ADJUSTABLE



中心阀块: CMB1



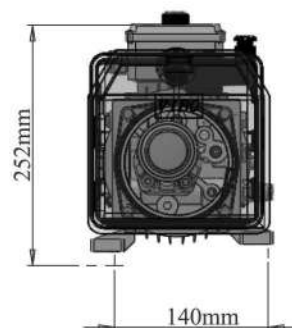
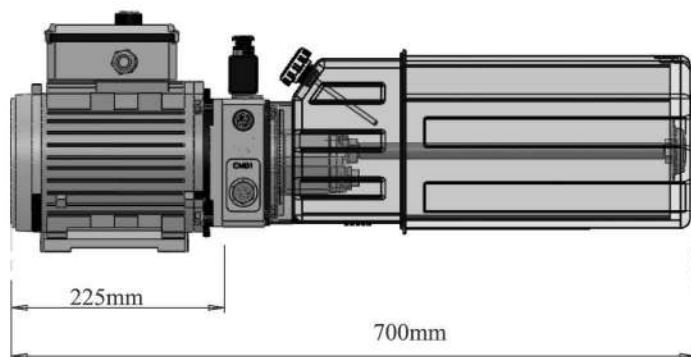
ITEM	DESCRIPTION	TYPE	QTY.
1	电机	YS380220-2	1
2	联轴器	MCP-046	1
3	塑料堵头	PP-02	1
4	铁堵头	SP-02	1
5	单向阀	CV-01	1
6	手动阀	MV-01	1
7	堵头	PV-02	1
8	节流阀	FCV-02	1
9	溢流阀	RV-02	1
10	螺栓	M6X15	1
11	O型圈	Ø112X4	1
12	螺栓	M6X35	4
13	泵	CBK-F125	1
14	缓冲阀	HCF-D	1
15	螺栓	M8X85	1
16	回油管	M10X310	2
17	吸油管	Z3/8X255	1
18	滤网	FS-03B	1
19	油箱盖	FC-04	1
20	油箱	10L-TS120C370-V	1
21	堵头	M12X125	1

汽车举升机用动力单元(二)

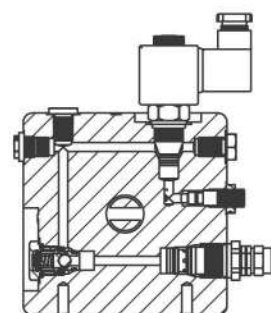
Power Unit for Car lift(Type Two)

为双柱汽车举升机提供升降功能。采用CMD1型压铸阀块，节流阀控制下降，可调节下降速度。

Specially designed for Two-poles Car Lift, CMD1 manifold, with the function of power lift and gravity lowering. The lowering speed can be controlled by manual adjustable flow valve.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMD1	
MOTOR	220V 2.2KW 2800RPM 1PH 50HZ	
PUMP	2.0CC/Rev.	
RELIEF	20Mpa	
OIL PORTS	G 1/4"	
TANK	11L	
MOUNTING	VERTICAL	
RPCV	ADJUSTABLE	



中心阀块: CMD1

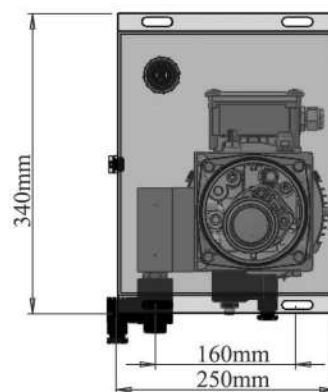
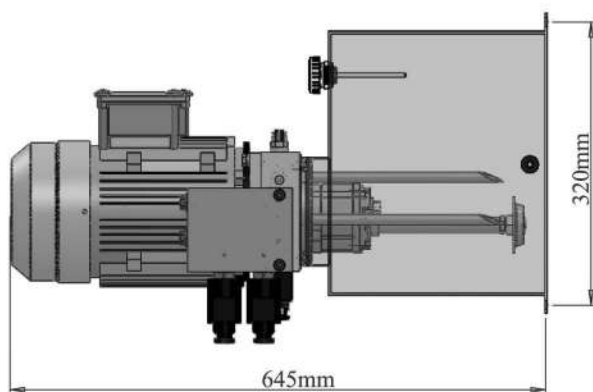
		ITEM DESCRIPTION	TYPE	QTY.
	1	电机	ML2202202	1
	2	联轴器	ACP-365	1
	3	螺栓	M8X30	4
	4	塑料堵头	PP-02	1
	5	单向阀	CV-01	1
	6	铁堵头	SP-02	2
	7	控制阀	SCV-024AC	1
	8	塑料堵头	PP-02	1
	9	节流阀	FCV-02	1
	10	溢流阀	RV-03	1
	11	螺栓	M6X15	4
	12	O型圈	Ø112X4	1
	13	螺栓	M8X80	2
	14	泵	CBK-F120	1
	15	吸油管	Z3/8X345	1
	16	滤网	FS-03B	1
	17	回油管	M12X390	1
	18	卡箍	KG113X135	1
	19	油箱盖	FC-04	1
	20	油箱	11L-TP120A450-V	1
	21	缓冲阀	HCF-D	1

汽车举升机用动力单元(三)

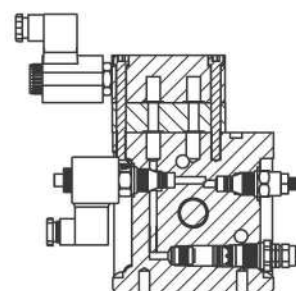
Power Unit for Car lift(Type Three)

为大剪式汽车举升机提供升降功能。采用CMC型压铸阀块，两只双向逆止阀分别控制两组单作用油缸，实现零泄漏。

Specially designed for Scissors Car Lift, CMC manifold, with the function of power lift and gravity lowering. The two pcs fitted double check solenoid valve maintaining the holding oil in zero leakage.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMC	
MOTOR	380V 2.2KW 2800RPM 3PH 50HZ	
PUMP	2.0CC/Rev.	
RELIEF	20Mpa	
OIL PORTS	G 1/4"	
TANK	20L	
MOUNTING	VERTICAL	
RPCV	ADJUSTABLE	



中心阀块: CMC

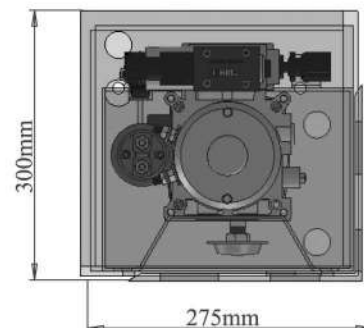
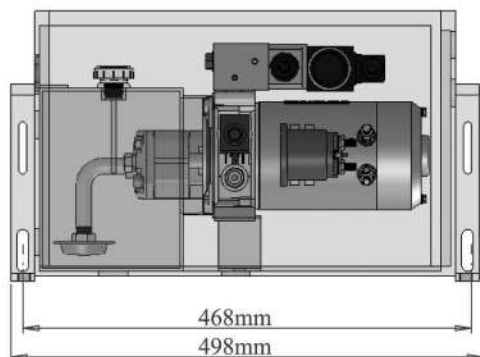
		ITEM DESCRIPTION	TYPE	QTY.
	1	电机	MS380220-2F	1
	2	联轴器	ACP-365	1
	3	螺栓	M8X30	1
	4	控制阀	SCV (E)-Y024DC	1
	5	节流阀	FCV-01	1
	6	溢流阀	RV-03	1
	7	单向阀	CV-02	1
	8	垫块	MB-10	1
	9	螺栓	M8X70	2
	10	过渡块	MB-13-001	1
	11	塑料堵头	PP-02	1
	12	螺栓	M6X15	4
	13	双向逆止阀	SDV (E)-024DC	2
	14	O型圈	Ø112X4	1
	15	泵	CBK-F120	1
	16	螺栓	M8X80	2
	17	吸油管	Z3/8X160	1
	18	滤网	FS-03B	1
	19	回油管	M12X170	2
	20	油箱	TS120F250-V	1
	21	油箱盖	FC-04	1

汽车尾板用动力单元

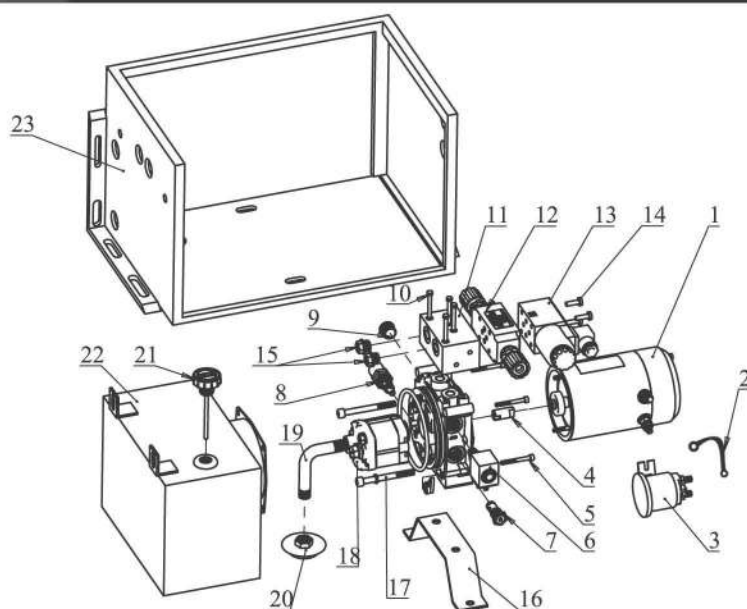
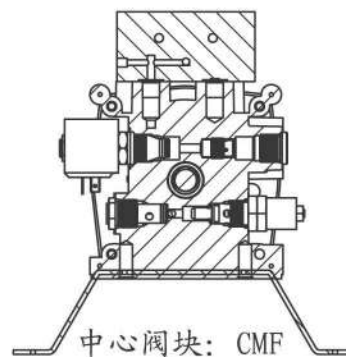
Power Unit for Tail Gate

为汽车尾板提供升降、开闭功能。采用CMF型压铸阀块，箱式组合便于运输安装。

Specially designed for Tail Gate, CMF manifold, support the gate up-down and open-close automatically. The tight box package type designed is convenient for mounting.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMF	
MOTOR	24V 2.2KW	
PUMP	2.0CC/Rev.	
RELIEF	20Mpa	
OIL PORTS	G3/8"	
TANK	6L	
MOUNTING	HORIZONTAL	
RPCV	MB05	

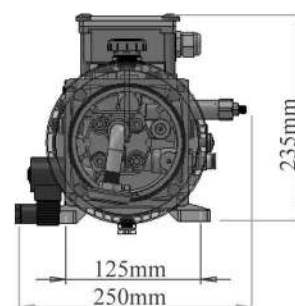
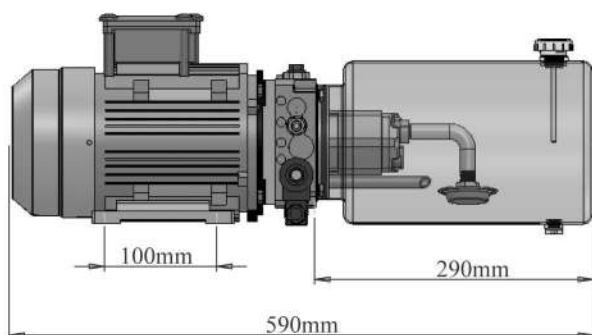


ITEM	DESCRIPTION	TYPE	QTY.
1	电机	MD24220S	1
2	软连接线	RSWC	1
3	接触器	DK0324A	1
4	联轴器	DCP-048	1
5	螺栓	M6X40	4
6	控制阀	SCV-024DC	1
7	单向阀	CV-04	1
8	溢流阀	RV-04	1
9	铁堵头	SP-06	1
10	螺栓	M5X50	4
11	过渡块	MB47-2D	1
12	双单向节流阀	MB05	1
13	两位三通电磁阀	SV23024DC	1
14	螺栓	M5X90	4
15	塑料堵头	PP-03	1
16	支架	ZJ-WB55	1
17	螺栓	M8X80	2
18	泵	CBK-F120	1
19	吸油管	FP-03B	1
20	滤网	FS-03B	1
21	油箱盖	FC-04	1
22	油箱	6L-TS120E155-H	1
23	方箱	TS-WB-01	1

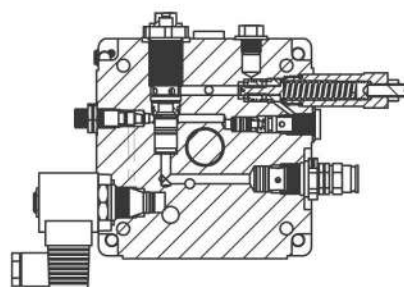
液压登车桥用动力单元 Power Unit for Dock Leveller

为液压登车桥提供升降功能。采用CML型压铸阀块，控制两组单作用油缸。同时可为客户提供专用电控柜。

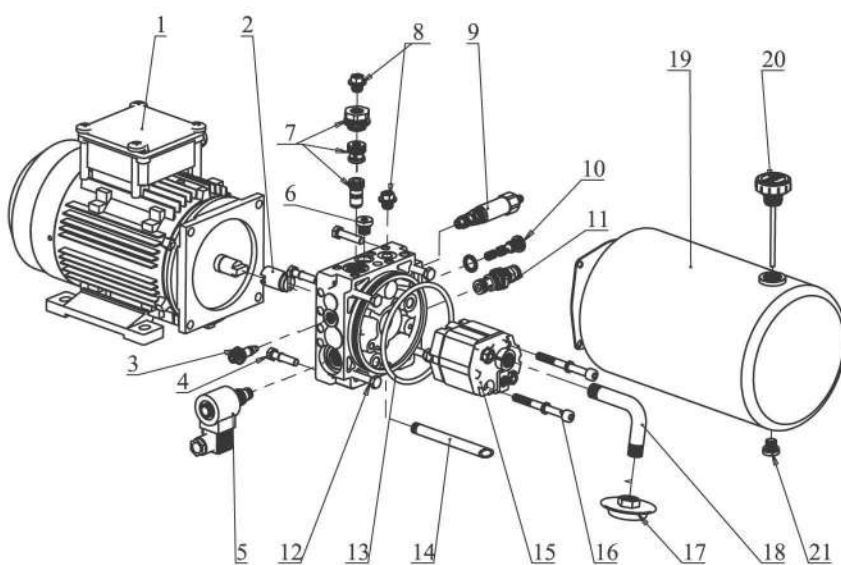
Specially designed for Dock Leveller, CML manifold,the ramp & lip cylinder are controlled by series sequential valves. Electronic control box is available for application.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CML	
MOTOR	380V 0.75KW 1400RPM 3PH 50HZ	
PUMP	2.5CC/Rev.	
RELIEF	16Mpa	
OIL PORTS	G 1/4"	
TANK	6L	
MOUNTING	HORIZONTAL	
RPCV	ADJUSTABLE	



中心阀块: CML

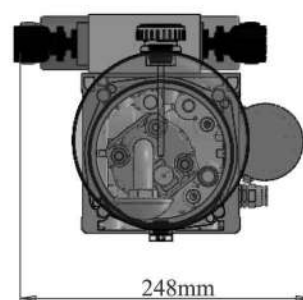
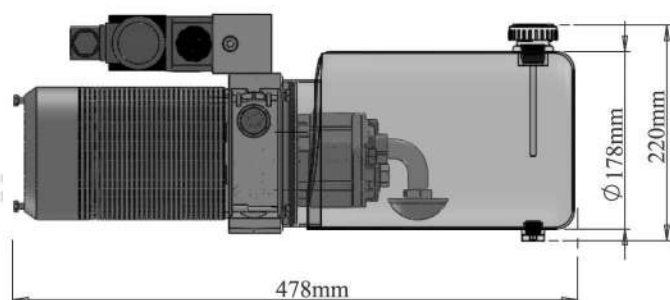


ITEM	DESCRIPTION	TYPE	QTY.
1	电机	MS380075-4F	1
2	联轴器	ACP-365	1
3	节流阀	FCV-02	1
4	螺栓	M8X30	4
5	控制阀	SCV-024AC	1
6	铁堵头	SP-02	1
7	梭阀	STV	1
8	堵头	PV-02	2
9	顺序阀	SQV	1
10	液控单向阀	PCCV	1
11	溢流阀	RV-02	1
12	螺栓	M6X15	4
13	O型圈	Ø112X4	1
14	回油管	M12X170	2
15	泵	CBK-F125	1
16	螺栓	M8X85	2
17	滤网	FS-03B	1
18	吸油管	FP-03B	1
19	油箱	6L-TS120T290-H	1
20	油箱盖	FC-04	1
21	堵头	M12X125	1

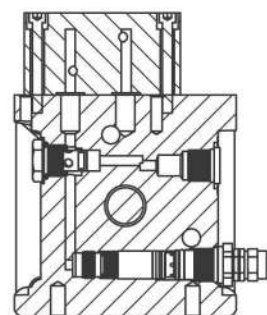
环保加盖车用动力单元 Power Unit for Truck Covering

为环保加盖车设计。采用CMC型压铸阀块, 盖体的开、闭速度可调。

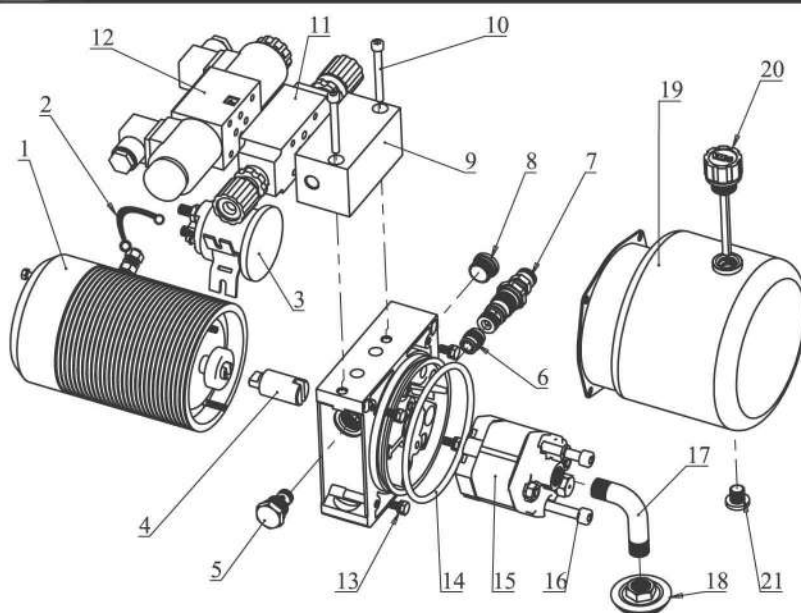
Specially designed for Truck covering, CMC manifold, support the truck cover open-close automatically and speed in control.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMC	
MOTOR	24V 2.2KW	
PUMP	2.0CC/Rev.	
RELIEF	20Mpa	
OIL PORTS	G 3/8"	
TANK	5L	
MOUNTING	HORIZONTAL	
RPCV	MB05	



中心阀块: CMC



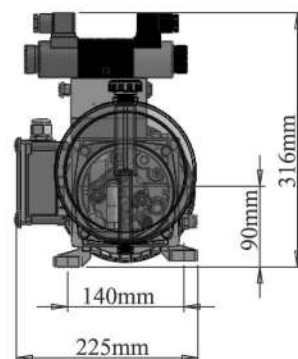
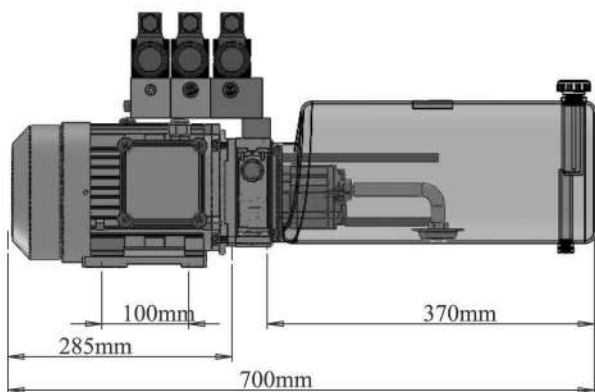
ITEM	DESCRIPTION	TYPE	QTY.
1	电机	MD24220S	1
2	软连接	RSWC	1
3	接触器	DK0324A	1
4	联轴器	DCP-048	1
5	堵头	VCP-06	1
6	单向阀	CV-02	1
7	溢流阀	RV-03	1
8	铁堵头	SP-06	1
9	过渡块	MB12-1A	1
10	螺栓	M8X50	2
11	双单向节流阀	MB05	1
12	三位四通阀	SV34024G	1
13	螺栓	M6X15	4
14	O型圈	φ112X4	1
15	泵	CBK-F120	1
16	螺栓	M8X80	2
17	吸油管	FP-03B	1
18	滤网	FS-03B	1
19	油箱	5L-TS120B270-H	1
20	油箱盖	FC-03	1
21	堵头	M12X125	1

扒胎机用动力单元

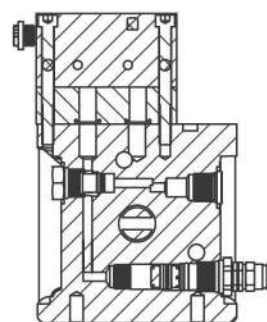
Power Unit for Tyre Changer

为汽车扒胎机设计，采用CMC型压铸阀块，控制三组双作用油缸。

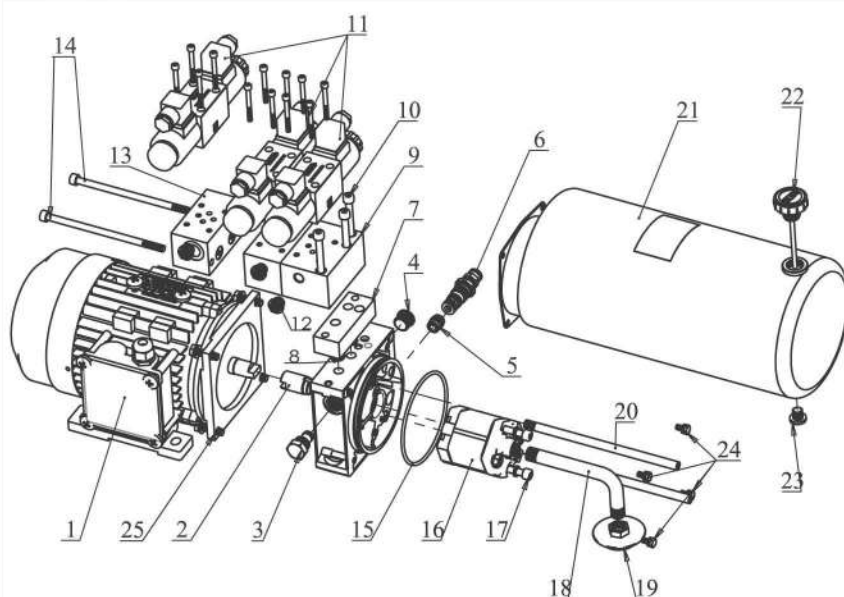
Specially designed for Tyre Changer, CMC manifold, support the operation of three sets double action cylinders.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMC	
MOTOR	380V 1.5KW 1400RM 3PH 50HZ	
PUMP	3.3CC/Rev.	
RELIEF	16Mpa	
OIL PORTS	G1/4"	
TANK	8L	
MOUNTING	HORIZONTAL	
RPCV	NON	



中心阀块: CMC



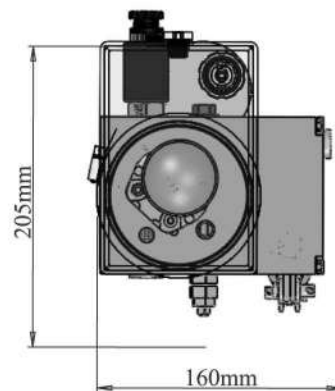
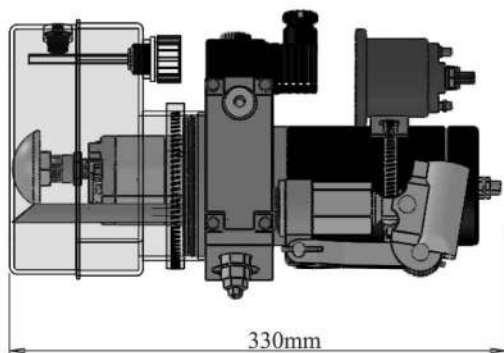
ITEM	DESCRIPTION	TYPE	QTY.
1	电机	MS380150-4F	1
2	联轴器	ACP-365	1
3	堵头	VCP-06	1
4	铁堵头	SP-06	1
5	单向阀	CV-02	1
6	溢流阀	RV-03	1
7	垫块	MB10	1
8	O型圈	R138X18	2
9	过渡块	MB11-01B	1
10	螺栓	M8X80	3
11	控制阀	SV34220M	3
12	塑料堵头	PP-02	6
13	过渡块	MB11-02B	2
14	螺栓	M8X155	2
15	O型圈	Ø112X4	1
16	泵	CBK-F133	1
17	螺栓	M8X85	2
18	吸油管	FP-03B	1
19	滤网	FS-03B	1
20	回油管	M12X170	2
21	油箱	TS120C270-H	1
22	油箱盖	FC-04	1
23	堵头	M12X125	1
24	螺栓	M6X15	4
25	螺栓	M8X30	4

残疾人车用动力单元

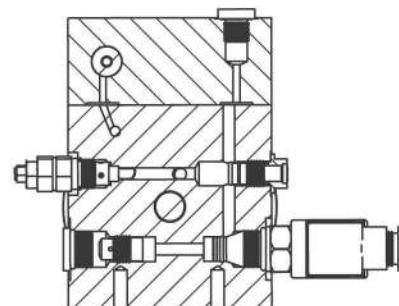
Power Unit for Invalid Lift

为残疾人车平台提供升降功能。采用CMB3型阀块，手动泵的设置 为缺电状态下的操作提供了保障。

Specially designed for Invalid Lift, CMB3 manifold, support the board up-down automatically. The hand pump maintaining the operation available in case of power off. .



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMB3	
MOTOR	12V 800W	
PUMP	1.0CC/Rev.	
RELIEF	13Mpa	
OIL PORTS	G1/4"	
TANK	1L	
MOUNTING	VERTICAL	
RPCV	NON	



中心阀块: CMB3

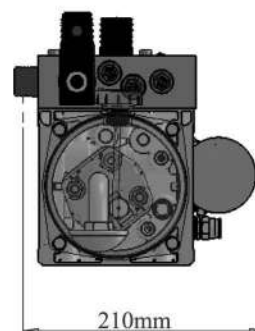
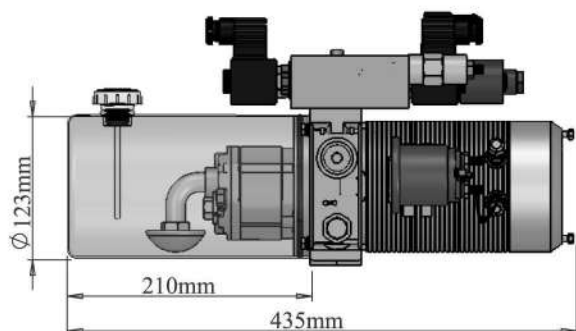
ITEM DESCRIPTION		TYPE	QTY.
1	电机	MD12080AN	1
2	软连接线	RSWC	1
3	接触器	DK0312	1
4	卡箍	KG91X113	1
5	联轴器	DCP-315	1
6	单向阀	CV-06	1
7	塑料堵头	PP-02	1
8	控制阀	SCV-012DC	1
9	铁堵头	SP-06	1
10	溢流阀	RV-06	1
11	螺栓	M6X60	4
12	过渡块	MB80	1
13	铁堵头	SP-02	1
14	手动泵	HP-80	1
15	O型圈	Ø875X355	1
16	齿轮泵	CBU-F1100	1
17	螺栓	M5X70	2
18	吸油管	ZT-CJC-01	1
19	滤网	FS-03B	1
20	回油管	M10X120	1
21	油箱	1L-TP094C140-V	1
22	卡箍	KG91X113	1
23	油箱盖	FC-03	1

扫雪车用动力单元

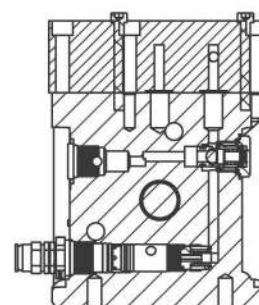
Power Unit for Snow Plow

为扫雪车的犁刮板提供升降和角度调节功能，采用CMC型压铸阀块。

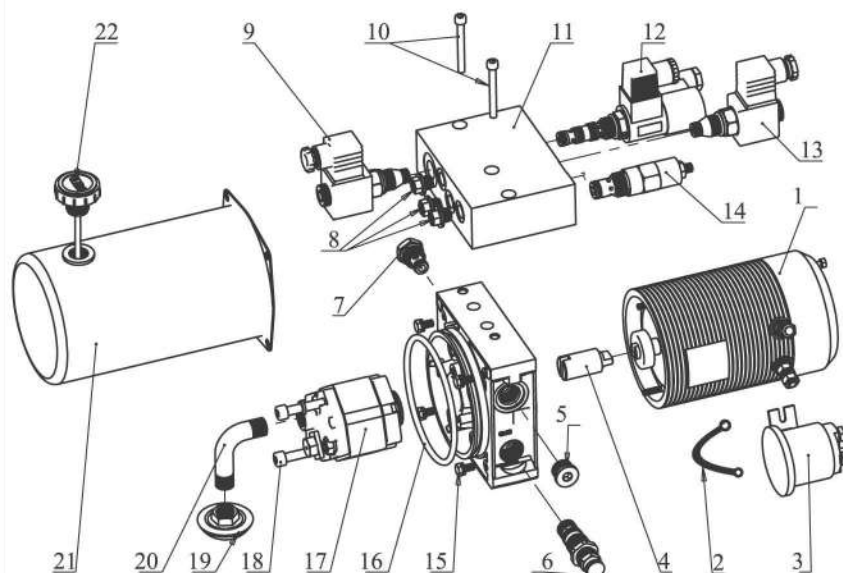
Specially designed for Snow Plow, CMC manifold, support the blade up-down and angling in automatic control.



UNIT SPECIFICATION		HYDRAULIC CIRCUIT
CENTER MANIFOLD	CMC	
MOTOR	12V 1.6KW	
PUMP	1.6CC/Rev.	
RELIEF	20Mpa	
OIL PORTS	G 1/4"	
TANK	2L	
MOUNTING	HORIZONTAL	
RPCV	NON	



中心阀块: CMC



ITEM	DESCRIPTION	TYPE	QTY.
1	电机	MD12160S	1
2	软连接线	RSWC	1
3	接触器	DK0312	1
4	联轴器	DCP-048	1
5	铁堵头	SP-06	1
6	溢流阀	RV-03	1
7	堵头	VCP-06	1
8	塑料堵头	PP-02	3
9	常开电磁阀	SOV-012DC	1
10	螺栓	M8X55	2
11	过渡块	MB81	1
12	三位四通阀	SV34012M	1
13	常闭电磁阀	SCV-012DC	1
14	双向溢流阀	LBRV-10	1
15	螺栓	M6X15	4
16	O型圈	Ø112X4	1
17	齿轮泵	CBK-F116	1
18	螺栓	M8X75	2
19	滤网	FS-03B	1
20	吸油管	FP-03B	1
21	油箱	2L-TS120A210	1
21	油箱盖	FC-04	1

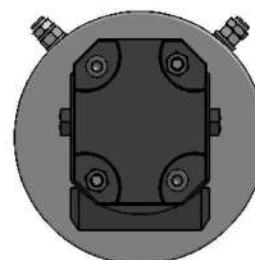
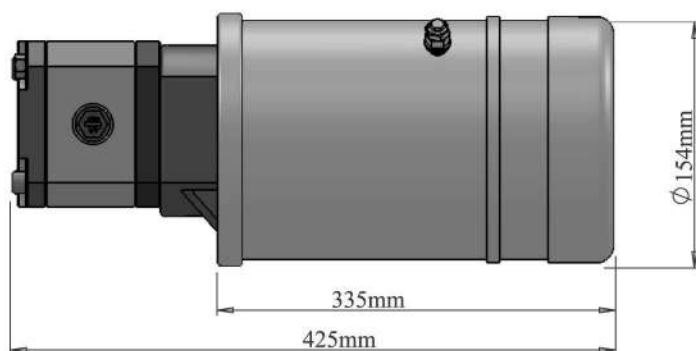
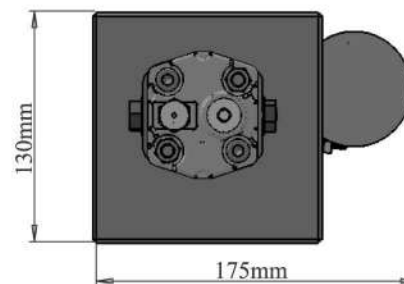
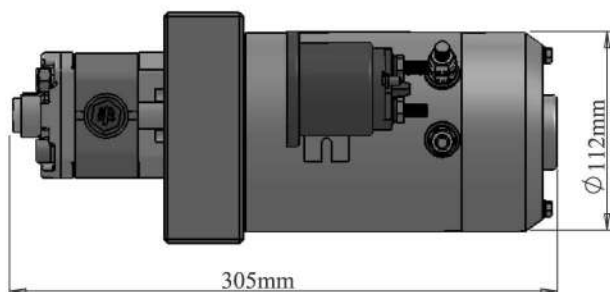
应急转向泵

Emergency Steering Pump

此类泵机组为矿山机械，重型卡车等提供液压助力转向。

This kind Pump Unit is specially designed for Mining Machinery and Heavy-duty Truck. The function is of hydraulic boosting power for steering operation.

VDPU-ESP24220



型号 Type	电机 Moter	齿轮泵 Gear Pump	油口 Oil port	安装方式 Mounting	原理图 Circuit
DPU-ESP24220	24V 2.2kW	2.0cc/r	G3/8"	HORIZONTAL	
DPU-ESP24300	24V 3.0kW	4.2cc/r	G3/8"	HORIZONTAL	

液压动力单元的使用、维护及一般故障排除

一、选型说明

- 1、仔细阅读怎样订购动力单元章节的内容，按实际要求填写规格型号。
- 2、根据需实现的液压功能，选择相应的液压原理图。
- 3、根据液压缸负载大小和活塞运动速度，合理地选择齿轮泵排量、系统工作压力和电机功率，确定液压动力单元技术参数。
- 4、根据情况确定电机及电磁阀电压形式。

二、使用注意事项

- 1、请仔细阅读使用说明书，并对照产品型号、参数是否正确。
- 2、液压动力单元应正确安装，接电正确。注意电机、电磁阀电压是否与电源相符（见电器原理图），电机旋转方向是否正确（从出轴端看顺时针）。
- 3、常规直流电机为间隙式工作制 $S_2=2\sim 4\text{min}$ （一次启动持续工作时间）； $S_3=10\%ED$ （持续工作时间占一次工作循环时间的10%），不可以连续运转。若选用10min工作制交流电机，也不可以连续工作。
- 4、液压动力单元工作压力出厂时已调好，为保证良好的使用状态请用户不要随便调节。
- 5、液压动力单元应使用油液运动粘度为 $27\sim 43\text{mm}^2/\text{s}$ （ 50°C ）的抗磨液压油，油温低于 50°C 时推荐使用YA-N46，油温高于 50°C 时推荐使用YA-N68，加入的油液应经过滤精度为 $30\mu\text{m}$ 过滤器过滤，常规加入量为油箱有效容积的80%，常规油液温度应在 $-10\sim 80^\circ\text{C}$ 范围内，特别寒冷的地区，应采用低温液压油，如YA-N32。

三、简单故障识别及排除方法

- 1、电机不转，检查连接线路的准确性。
- 2、电机启动，油缸不上升或上升不稳
 - （1）油缸内油面过低，加油到规定的油位；
 - （2）油液的粘度过大或过小，使用推荐液压油；
 - （3）吸油滤网堵塞，清洗或更换滤网；
 - （4）吸油管不密封或漏气，查出漏气，不密封处并进行修理或换吸油管；
 - （5）电磁阀或手动阀没有闭合，清洗电磁阀、手动阀或更换；
 - （6）副手动电磁阀应急按钮打开，合上应急按钮；
 - （7）电磁阀通电，导致油从电磁阀里卸荷，检查电气线路；
 - （8）电机旋转反向，检查重新连接；
 - （9）溢流阀未正确安装到位，或调压未调好，检查并重新设定压力；
 - （10）联轴器未安装到位，或选择不当，检查重新安装或更换；
 - （11）齿轮泵出油处O型圈被激坏，拆下齿轮泵检查并更换该O型圈。
- 3、卸荷时油缸不下降或下降不稳
 - （1）电磁阀未能通电，检查电气线路；
 - （2）电磁阀输入电压不符合要求，检查电压并达到标准值；
 - （3）电磁阀或手动阀滤网堵塞，拆下清洗或更换阀芯；
 - （4）通电时间过长或过热使电磁铁损坏，检查电压是否过压，确认输入的电信号；
 - （5）节流阀或压补阀被堵死，调节或更换。
- 4、系统不保压，油缸在保压时往下掉
 - （1）单向阀不密封，清洗单向阀或更换油封；
 - （2）电磁阀，手动阀不密封，清洗或更换油封；
 - （3）排除油缸本身的不保压，将测压表直接接在出油口，若保压正常则属执行件的问题。
- 5、从油箱与阀块之间漏油或渗油，O型圈磨损或压断，检查并更换O型圈。
- 6、电机后盖或电机与阀块之间渗油或漏油
 - （1）阀块高压处漏油，拆下电机检查，若是，通知厂家更换整个动力单元；
 - （2）齿轮泵上的骨架油封松掉，更换齿轮泵。
- 7、开关切断后，电机继续运转
 - （1）电气连接错误，检查并正确接线；
 - （2）启动开关烧坏，断电检查，更换启动开关；
 - （3）交流接触器烧坏，断电检查，更换交流接触器。
- 8、系统噪音偏大
 - （1）系统中存在空气，连续往复工作几次，排除空气；
 - （2）联轴器未正确安装或磨损，检查并重新安装或更换；
 - （3）电机失效，检查电机，必要时更换；
 - （4）不要长时间在极点压力下工作，溢流阀开始溢流时即停止工作。