



Hydraulic Valve Manifold ODM

Hydraulic Power units ODM

Customized hydraulic power pack units ODM



Ningbo Euler Hydraulics Co., Ltd.

Since 2011

COMPANY PROFILE



Ningbo Euler Hydraulic Co., Ltd. was founded in 2011. We specialize in designing and producing various high-quality hydraulic valve manifolds, power pack units and hydraulic systems. Also we have been the distributor of Danfoss Corp. since 2022. Our R&D technology and product quality are in an industry leading level, and our products are exported to major industrial countries such as the United States, Germany, India, Russia, Belarus, France, Canada, Brazil, Saudi Arabia, etc.

The company has been certified by the German Rheinland ISO9001 quality management system since 2013. And the requirements of TS16949 have been implemented in research and production.

Our advantages

1. Short delivery time and stable performance (the raw materials for valve components are imported high-quality steel, springs, and sealing rings)
2. The valve group can withstand low temperatures of -40°C
3. Design and manufacturing of custom valve groups, power units, and hydraulic power pack unit.
4. 100% hydraulic valve manifolds, power pack units and hydraulic systems testing before delivery.
5. PPAP documents can be submitted according to customer requirements (for important projects)

OUR CUSTOMERS



XCMG Group



Sany Group



Linde Material Handling



China Yituo Group



Guangtai Airport Equipment



Chinese Academy of Agricultural Sciences



Changzhou Dongfeng Group Co., Ltd



Zhejiang Zhigao Machinery Co. Ltd



Shanghai CHCNAV Navigation Technology Co., Ltd



Beijing MAGTN Technology Development Co., Ltd



Mantall



Processing equipment, inspection equipment, and product testing

All valve blocks must pass through before assembly
Butün vadi bloklar toplantidan önce gecmeli



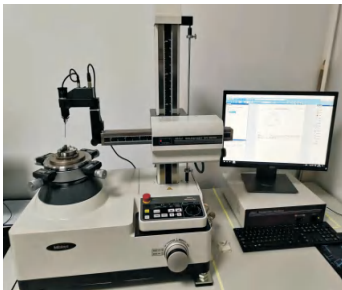
60°C high temperature



80bar high-pressure water



Machining Equipment Makineler



Roundness measuring instrument



Three-dimension Measuring Machine



film thickness gauge
film kalintisi boyutlu



Roughness meter
Zorluk metre



Hardness tester



Oil cleanliness tester



Valve Testing



Valve Manifold Testing



Valve Manifold Testing



Salt spray testing machine



Hydraulic Power Pack Units(ODM)





Can be customized according to customer needs (ODM)

Cartridge Valve



Balance valve series



Cartridge Valve Manifold



Cartridge and plate valve Manifold



Multi way valve group





Open Product HPO & MPO

Heavy load Pump D1P



Medium Load Motor RDM



Medium Load Pump S45



Proportional Valve Group PVG

PVG 16



PVG 32



PVG 100



PVG 120



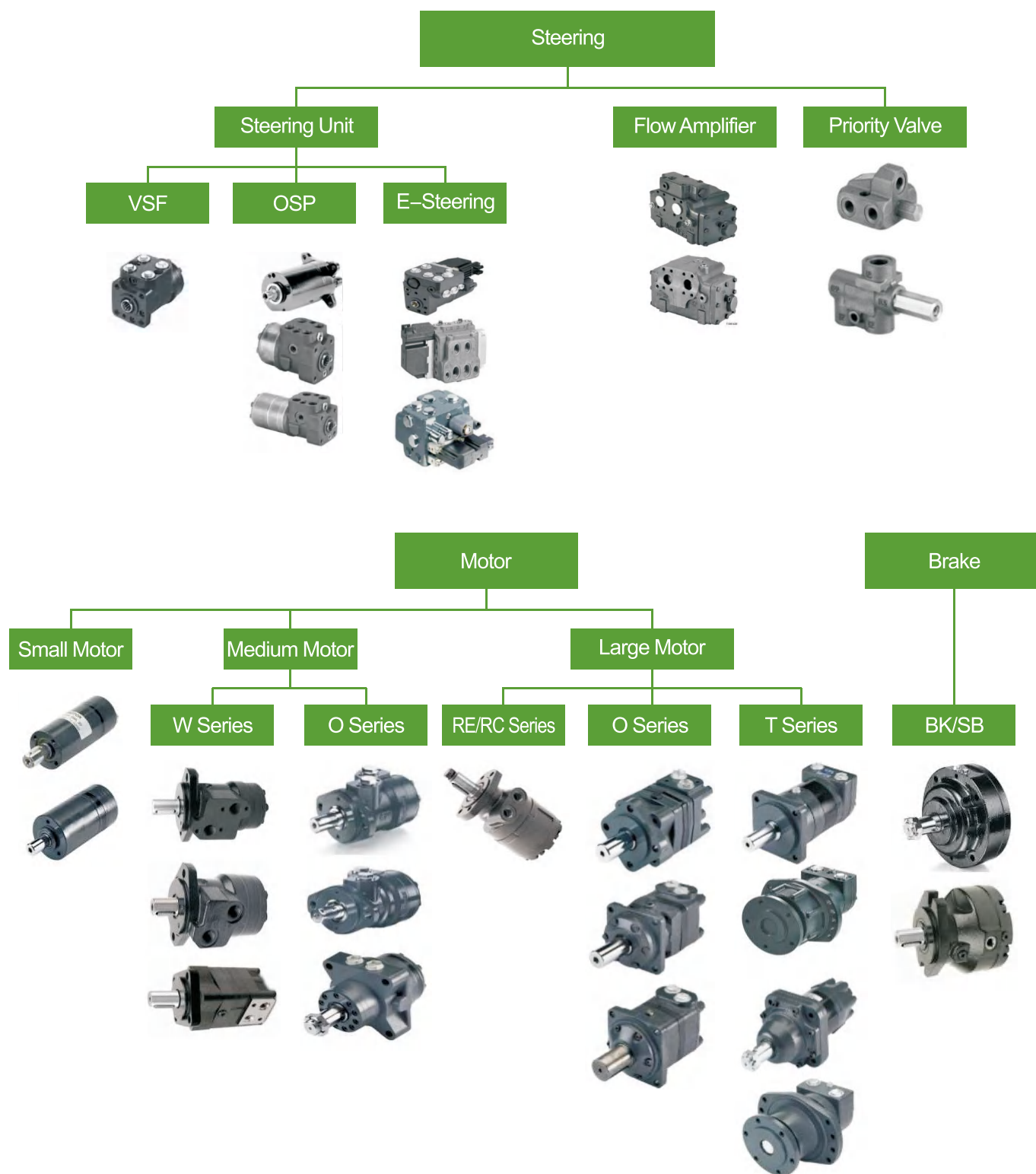
PVG128,256



Directional Control Valve DCV

ECO 80







Hydraulic Power Pack Units Application Example



Power pack for TIRE CHANGER built with multifunctional double acting manifold blocks and Cetop3 valves. 110v, 220v (single phase) or 380v three phase AC motor is applicable and even custom-designed motor is feasible.



Tire Changer



various circuits of DOCK LEVELER system power units. Typical circuit is that after powering the platform to its full height a sequence valve operates to redirect the oil flow to extend the lip. The valve ensures the lip remain extended until pressure on the main lift arm has ceased.



Dock Leveler



12/24v DC power packs come in Lever type for basic power up/gravity down. STACKER Power up/gravity down is controlled by manual lever and lowering speed is also controlled by lever angle.



Stacker



Designed for 110v, 220v (single phase) or 380v three phase AC power up/gravity down application. In the off position, the unit holds steady. wireless controller is optional.

A pressure compensated flow control valve keeps lowering speed constant regardless of load.



Scissor Lift



Hydraulic Power Pack Units Application Example



20tons, 50tons even more powerful CAN PRESS power unit.

From basic power up/power down functional power unit to additional function power unit is feasible.

With flexible sub-plate, customer's design is always acceptable.



Can Press



Power pack operated by engine.

As a single acting function, power up-gravity down is available.

However, EULER provides multifunctional power pack with cartridge type valves and manifold blocks. For additional requirements, please contact us.



Carrier For Agriculture



Designed for smaller, low-rise auto hoist & can be mounted either horizontally or vertically.

A push button on the motor starts the unit to raise the vehicle on the lift.

To lower, a manually operated cartridge-style release valve is used for finger-tip control of lowering speed.



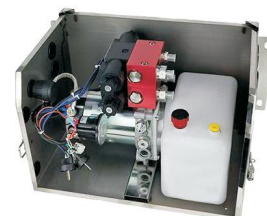
2 Post Cat Lift



Compact & light designed power unit for dual power up-hold-power down application such as WING BODY on truck.

In the off position, the unit holds steady directional valves run independently of each other, allowing for two separate system functions.

Features include an adjustable relief & load-holding PO check valve.



Wing Body



Valve Manifolds Application Example



Function

Cooperate with electric control system to realize unmanned driving characteristic

1. Cartridge valve is used for reading, with good interchangeability technical parameter Maximum input flow 80LPM
2. Automatic/manual steering operation can be switched freely
3. Reliable quality and stable action Maximum input pressure 350bar
4. Adapt to open core and closed core load sensing hydraulic steering gear
5. Fast response, Proportional control valve 0–30LPM Control voltage 24VDC
6. Convenient operation and excavation
7. Compact structure, convenient installation and less space occupation



PVG32

1. The rated flow is proportion;
2. The rated pressure is 310bar.

Pilot valve Manifolds

1. The rated flow is 20lpm;
2. The rated pressure is 35bar.

Functions:

1. Automatic control bulldozer operation



Road Grader

Bulldozer



Technical Data:

1. The rated flow is 20lpm;
2. The rated pressure is 35bar.

Functions:

1. Piloted control;



Features:

1. Be compact;
2. Be durable;
3. Long time of the pressure-holding;
4. With high price-quality ratio.

Excavators(Piloted)&Remote Excavators



Valve Manifolds Application Example



System parameters:

1. Rated flow of electric proportional poppet valve: 60lpm;
2. Rated flow of 4-way reversing valve: 40lpm
3. System pressure setting: 160bar

Function:

1. Control the tractor rear lift system up and down;
2. 4-way reversing valve controls the action of auxiliary appliances

Features:

- "1. Good proportional characteristics;
2. Plate type reversing valve is easy to replace and maintain."



System Data:

1. The max flow is 15lpm;
2. The max pressure is 210bar;

Function:

1. Control the steering cylinder with the proportional valve;
2. Control the pressure of the steering.

Features:

1. Fast response;
2. High accuracy on flow controls;
3. It can be connected to the steering of the manual operation.

Tractor Rear Lift System



Driverless Steering Controls



Technical Data:

1. The max flow is 40lpm;
2. The max pressure is 350bar;

Function:

1. Make the lifting up or down of the cotton case;
2. Control the door of the cotton case.
3. Stressed onto the cotton to make it tight.

Features:

1. The performance is reliable;
2. The motions are smooth.

Cotton Picker



Valve Manifolds Application Example

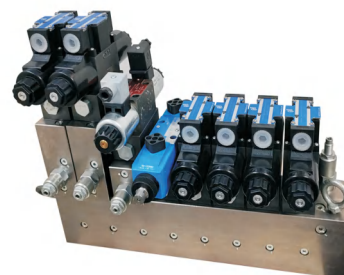


Technical Data:

1. The max flow is 40lpm;
2. The max pressure is 210bar.

Function:

1. Control the cylinder;
2. Control the pressure.



Technical:

1. The max flow is 60LPM;
2. The max pressure is 250bar;

Function:

1. Building-up the pressure;
2. Discharging the load;
3. Controlling the motions of each circuit.

Combine Harvester



System parameters:

1. The max flow is 45LPM;
2. The max pressure is 210bar;

Function:

1. Used for the picking-up of the bales automatically;
2. Control the motions of each cylinders and motors.

Spray Machine



Technical Data:

1. The maximum flow of the system is 50L;

Function:

2. Adapt to various types of Tractor hydraulic system;
3. Proportional valve controls motor speed, precise adjustment;
4. Supporting electric control system to achieve, fully automatic operation;
5. Manual/automatic mode switching is available, It is convenient for customers to use.

Bales Picking-up Truck

Film wrapping



Valve Manifolds Application Example



Technical Data:

1. Rated flow: 20lpm;
2. Maximum pressure: 240bar;
3. The minimum operating pressure of the hydraulic control reversing valve is 4.1bar;

Functions:

1. Main valve group used for roadheader;
2. Control the action of the roadheader.

Features:

1. Integrated cartridge valve group, compact structure;
2. Reliable Performance



Technical Data:

1. Rated flow: 30lpm;
2. Maximum pressure: 300bar;

Functions:

Control various movements of the drilling rig



Roadheader

Down-the-hole Drill



Technical Data:

1. The max flow is 100lpm;
2. The max pressure is 250bar.

Functions:

1. Control the boom;
2. Control the steering cylinder.

Features:

1. Saving energy;
2. Steering in priority;
3. The variation of the amplitude and the stretch are adjustable.



Technical Data:

1. Rated flow: 50lpm
2. Max pressure: 250bar

Functions:

1. Control the smooth movement

Hydraulic Aerial Cage(Crank Arm)

Straight arm vehicle



The Hydraulic Power Unit Application Example



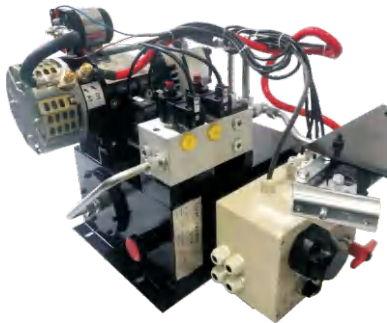
Technical Data:

1. The power of three-phase motor is 4.5KW, the backup DC motor is 4.5KW;
2. The displacement of the duplicated pump is 11cc/r & 11cc/r;
3. The pressure is 13.5MPa when single pump works, the pressure is 7MPa when double-pump works;
4. The volume of the tank is 230L.

Function:

1. Providing the power to the hydraulic system of the truck used for supporting.
2. Configured with DC motor pump, supplying the power in emergency;
3. Equipped with the solenoid valves of 4-way, offering high pressure oil by 4 ways;

Military Support Vehicle



Technical Data:

1. 24V DC motor;
2. Rated power is 4.5KW;
3. Rated flow is 12LPM;
4. Rated pressure is 23Mpa, max pressure is 25Mpa;
5. The volume of the tank is 20L.

Function:

1. Control the opening or closing of the truck's tailgate;
2. Control the lifting up or down of the truck's tail-board;
3. Control the opening or closing of the carriage's windows

Features:

1. Vehicle-mounted Power Unit is compact and the system is stable;
2. Control more cylinders to work with 3-way solenoid valves;
3. Pressure holding is excellent.



Special pig transport vehicle

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