

## Hydraulic Jacks & Tools Special power pack solutions

### Hydraulic power pack with protection cage

This power pack is specially designed for general lifting applications in construction areas. Equipped with an optimized valve configuration, including 4-way manual directional valve VHP-4/3-1, safety-check valve VSM-21, pressure relief valve VPR-1 and two pressure gauges for permanent load control.



### Hydraulic power pack with 4-way manifold MY-44-GYA

The most economic way for a pressure-independent and individual control of four single-acting hydraulic cylinders. The additionally mounted safety-check valve VSM-21 avoids uncontrolled pressure drops, and the built-in throttle valve allows a precise (millimeterwise) lowering even of the highest loads. Four pressure gauges allow a permanent reading of the individual loads. On request, the power packs can be equipped with a handy cart-frame to make the operation flexible. This type of power pack can be supplied in all sizes of the PY and PYE series.



### Hydraulic power pack with 4-times solenoid valve

The quadruple solenoid valve block ensures a pressure-independent and individual control of four double-acting hydraulic cylinders. Solenoid valves offer several well-known advantages such as: ergonomic and safe control by pendant remote control, exact load hold, precise and quick switch characteristics and many more.



### Double-hydraulic power pack

In order to realise very high oil flows, two independent pump systems can be combined in one large reservoir. A gear pump ensures an extremely high oil flow up to 250 bar while the high-pressure stage is generated by a high-performance radial piston pump. Each pump is equipped with its own solenoid control valve so that the individual oil flows can be generated or discharged on request.



## Hydraulic Jacks & Tools Electric hydraulic power packs



PMF-15/3/40/4 x 3 M

### PMF Multiple-flow hydraulic power packs

Multiple-flow hydraulic pumps can advance four cylinders with the same speed at the same time by injecting equal amounts of hydraulic oil into each individual cylinder. This principle allows a synchronized lifting of machines or similar loads from a central point. Even under different loading conditions the cylinders advance in synchronisation.

Levelling of a lopsided load is easily possible by an individual control of each single cylinder. The lifting phase is initiated by a push-button remote control box and can be interrupted and continued at any time.

Lowering of the load is done by operating the directional valve in connection with the throttle valve individually for each circuit. The multiple-flow pumps can drive all kinds of hydraulic cylinders, machine jacks or stage lifts.

#### Features

- 4-point synchronized lift due to 4 equal, independent and individual oil flows.
- 4 manually operated directional valves, or 4 solenoid directional valves allow an individual or joint control of all 4 connected cylinders (easy levelling of loads).
- Safe load hold due to check valve in each circuit.
- One-man central operation.
- Motor on-off switch by means of a pendant remote control box in connection with manual valves
- A complete remote control box to operate the solenoid valves.

#### Options

- All pump packs are also available with 4/3 direction-valves (for controlling the double-acting hydraulic cylinders).
- All power packs can be supplied with a protection frame suitable for on-site operation. Also cart-frames with 2 fixed and 2 swivel castors are available on request.

#### Scope of delivery

For each of the four circuits the ready-to-use supply includes: glycerine-damped pressure gauge, 3-way control valve, safety-check valve, a female coupler-half as connecting port. Furthermore: hydraulic oil, carrying handles, motor on-off switch, motor connecting cable, pendant remote control, electro-box with transformer and motor relais, oil level gauge and oil-filler/ventilation plug. All multiple-flow power packs are also available with 4-way directional valves in order to operate double-acting hydraulic cylinders.

## INFO

All extra loads can be meter-read permanently.

## Hydraulic Jacks & Tools Electric hydraulic power packs

### PMF

#### 4-multiple-flow power packs with solenoid directional valves

4-multiple-flow power packs with solenoid directional valves to advance 4 hydraulic cylinders independently and in a synchronized way by means of solenoid valves with a pendant remote control box.

The solenoid valves in connection with safety-throttle valves allow a precise control of all connected hydraulic cylinders.



PMF-15/3/40/4 x 4 E

#### Technical data PMF

Model	Art.-No.	Operating pressure max. bar	Displacement l/min	Manual valve	Solenoid valve	Motor remote control	Reservoir size l	E-motor
PMF-07/3/20/2 x 3 M	N12300047	2 x 700	2 x 0.3	•	–	•	20	0.75 kW - 400 V - 3 Ph
PMF-07/3/20/2 x 3 E	–	2 x 700	2 x 0.3	–	•	–	20	0.75 kW - 400 V - 3 Ph
PMF-15/3/20/2 x 3 M	192018656	2 x 700	2 x 0.6	•	–	•	20	1.5 kW - 400 V - 3 Ph
PMF-15/3/20/2 x 3 E	–	2 x 700	2 x 0.6	–	•	–	20	1.5 kW - 400 V - 3 Ph
PMF-15/3/40/4 x 3 M	N12300924	4 x 700	4 x 0.3	•	–	•	40	1.5 kW - 400 V - 3 Ph
PMF-15/3/40/4 x 3 E	N12300003	4 x 700	4 x 0.3	–	•	–	40	1.5 kW - 400 V - 3 Ph
PMF-30/3/40/4 x 3 M	N12300007	4 x 700	4 x 0.6	•	–	•	40	3.0 kW - 400 V - 3 Ph
PMF-30/3/40/4 x 3 E	N12300005	4 x 700	4 x 0.6	–	•	–	40	3.0 kW - 400 V - 3 Ph
PMF-55/3/100/4 x 3 E	–	4 x 700	4 x 1.0	–	•	–	100	5.5 kW - 400 V - 3 Ph
PMF-110/3/100/4 x 3 E	–	4 x 700	4 x 2.1	–	•	–	100	11.0 kW - 400 V - 3 Ph

### INFO

All multiple-flow power packs are also available with 4-way directional valves in order to operate double-acting hydraulic cylinders model PMF.