



Hydraulic Power Unit for die clamping cylinders and die-lifters

Part No. 4500149

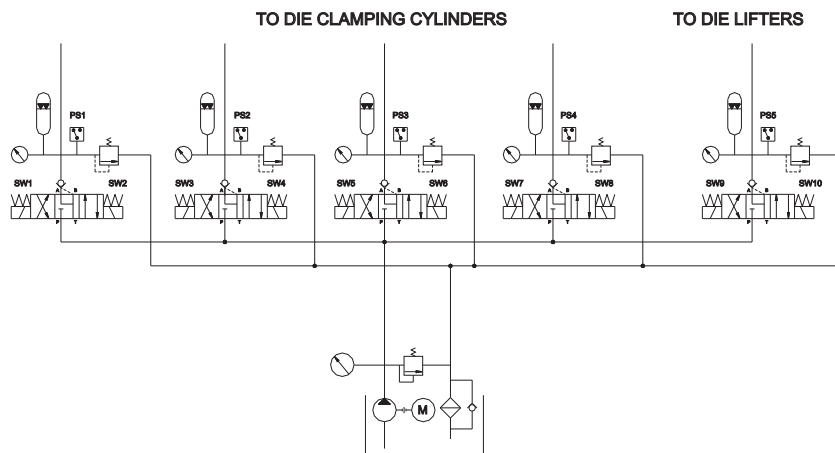


Specifications

- ◆ Tank Capacity - 12 liters approximately
- ◆ Useful oil volume - 8 liters approximately
- ◆ Pump - Radial piston pump, 1.5 lpm @ 1440 rpm.
- ◆ Motor - 1.5 hp, 3-phase
- ◆ Accumulator - 0.32 liters.
- ◆ Solenoid valves with pilot operated check valve
- ◆ Operating pressure - 200 bar.
- ◆ Maximum oil pressure - 300 bar.

Salient features

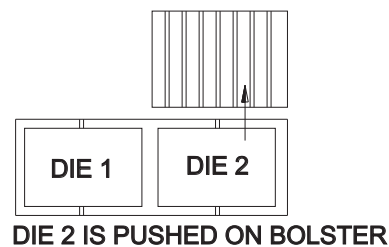
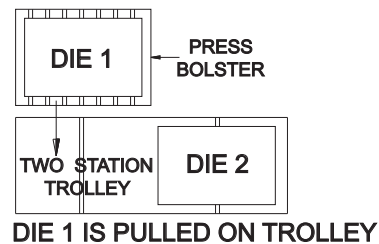
- ◆ Modular construction - There are four separate manifolds, two for the top die and two for the bottom die. A separate manifold is provided for the die lifters. All these manifolds are mounted on the base manifold, which includes pressure switches, accumulator, pressure relief valve and check valves. The tandem clamping ensures positive clamping.
- ◆ The pump is put 'ON' and 'OFF' by the differential pressure switch, to avoid oil heating. Extra pressure switches give the feedback and stop the press.
- ◆ Accumulator is fitted to compensate leakage in case of power failure.
- ◆ Direction control valve allows the operation of either die clamps or die lifters.



Quick Die Change System

Description

HPCPL manufactures die clamping cylinders, die lifters & die clamping powerpack. HPCPL also offers die handling & loading –unloading trolley to change dies less than 10 minutes. Specific care is taken to locate die on bolster, so that cylinders can be inserted without losing time. Dies weighing less than 5 ton can be pushed or pulled manually. Interlocks are provided for safety of operator, machine & die sets.



All dimensions are in mm
Overall dimension tolerance ± 0.5 mm