

Hydraulic Pump Unit

- Pressure up to 2312 bar
- Cost-effective
- Fully automatic
- Safe, simple, efficient operation
- Robust design
- Automatic shut-off at operating pressure
- Different pressure ranges available
- Can be used in hazardous areas
- Air driven

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This hydraulic pump unit is a simple and efficient tool to produce hydraulic pressure up to 2312 bar using low-pressure air. Typical applications are pressure testing of hoses, pipes, valves, etc., delivering high pressure liquids required by production machinery for holding, clamping, forming, punching, etc. The pump unit serves oil, water and most corrosive chemicals. The unit can be used in hazardous or confined areas.

Operation

The hydraulic pump unit converts air inlet pressure to hydraulic output pressure. The pump uses low-pressure air to act on large area piston to produce high hydraulic pressure with a small piston area. In operation,

The pump reciprocates rapidly until the system liquid pressure equals or balances the air pressure. This liquid-air pressure balance is maintained indefinitely in a holding condition with minimal energy consumption and with no increase in fluid temperature or parts movement.

The liquid output pressure is determined by the ratio between the area of the air driven piston, the area of the liquid driven piston and the applied operating air pressure. This hydraulic pump is a complete unit, ready for operation and comes complete with: Input pressure gauge, Output pressure gauge, and Muffler. For complete technical specifications and ordering details or to discuss your application requirements, please contact Tradinco.

