

**Order Code - 25268883.2**



The Hydraulic Training Panel is designed to introduce students and trainees to the principles of hydraulic power and control systems. It features industrial-grade components including lever-operated valves, relief valves, flow control devices, double-acting cylinders, and a hydraulic power pack. The system provides an interactive platform for learners to design, test, and analyze hydraulic circuits in a safe environment. By using the transparent diaphragm accumulator, students can clearly observe the operation and energy storage function of hydraulic accumulators. The inclusion of unidirectional and bidirectional flow valves, pressure gauges, and deceleration valves makes it possible to simulate a wide range of industrial hydraulic applications. This training system is particularly useful for engineering colleges, vocational institutions, and technical training centers aiming to provide skill-based learning. It enhances understanding of pressure control, actuator dynamics, and flow regulation in hydraulic systems used in manufacturing, construction, material handling, and automation industries. The panel's modular approach enables repeated circuit assembly, troubleshooting, and experimentation, ensuring practical learning and industry-relevant skills. Rugged construction and a clear layout make it suitable for long-term institutional use, preparing students for real-world applications in fluid power systems and industrial hydraulics.

## **Experiments**

- Study of double-acting cylinder operation
- Operation of lever-operated spring return valves
- Pressure relief valve testing
- Flow control using unidirectional and bidirectional valves
- Function of deceleration and shut-off valves
- Demonstration of diaphragm accumulator

Note: Specifications are subject to change.

## **Tesca Technologies Pvt. Ltd.**

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,  
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,  
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com  
Website: www.tescaglobal.com

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## **Features**

- Transparent accumulator for easy visualization
- Industrial-grade hydraulic components
- Multiple valve types for circuit diversity
- Integrated hydraulic power pack

## **Specifications**

- Valve Lever Operated Spring Return, Pressure Relief Valve.
- Unidirectional and Bidirectional Flow Valve.
- Deceleration Valve, Pressure Gauge, Shut Off Valve.
- Non-Return Pilot Valve.
- Double Acting Cylinder.
- Hydraulic Power Pack.
- Diaphragm Accumulator Transparent.

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Website: [www.tescaglobal.com](http://www.tescaglobal.com)