

# PASKALS

## Fluid Systems

### About

#### Hydraulic Hose Test Bench

Paskals Design Custom Engineered Hose Test Equipment for the Automotive, Aerospace, Chemical, Industrial and Gas Industries. It is used to test the hoses up to 4500 bar pressure and also have a ability to test the various length of Hoses.



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## Fluid Systems

### Technical Details

1. Prefill : To facilitate quick and efficient operations, the system has an integral high flow electric pump (220 V AC 1 Ph 50 Hz) to do the prefill on the test hoses once they are connected inside the test chamber. The gravity feed to the pump can be from a domestic 1" OD water tap. Discharge pressure into the hoses at 150 – 200 psi.
2. Pressure Test: The pressurization of the hoses is done quickly by air driven Haskel Pump.
3. Control Panel: The Main Control Panel will have an air as well as electric circuitry with appropriate stop start switches and valves.
4. Safety Relief Valve: There would be a manually adjustable but automatic venting safety relief valve to prevent accidental over pressure.
5. Pr Gauges: Large dial pressure gauges to indicate test pressure with adequate clarity.



### **Application**

It is used to test the proof, burst and leak test of the hydraulic hoses . Further it can be designed for Impulse Testing Machine for Hoses.

### **Key Features**

- Test chamber with transparent lid to view hoses under pressure.
- Inlet and outlet multiple manifolds, housed in the test chamber, for connecting the hoses under test with intrinsic safety.
- Facility to test up to four hoses, at a time.
- Inbuilt safety relief valve to prevent accidental over pressure and hence intrinsic personnel safety.
- Ergonomic Operational Panel to facilitate safe operations by single operator. Please see sketch attached.
- Inbuilt reservoir with sight glass and suction strainer for operational ease and run dry safety.
- Last but not the least, proven technology and acclaimed quality standards from Haskel International Inc, USA.