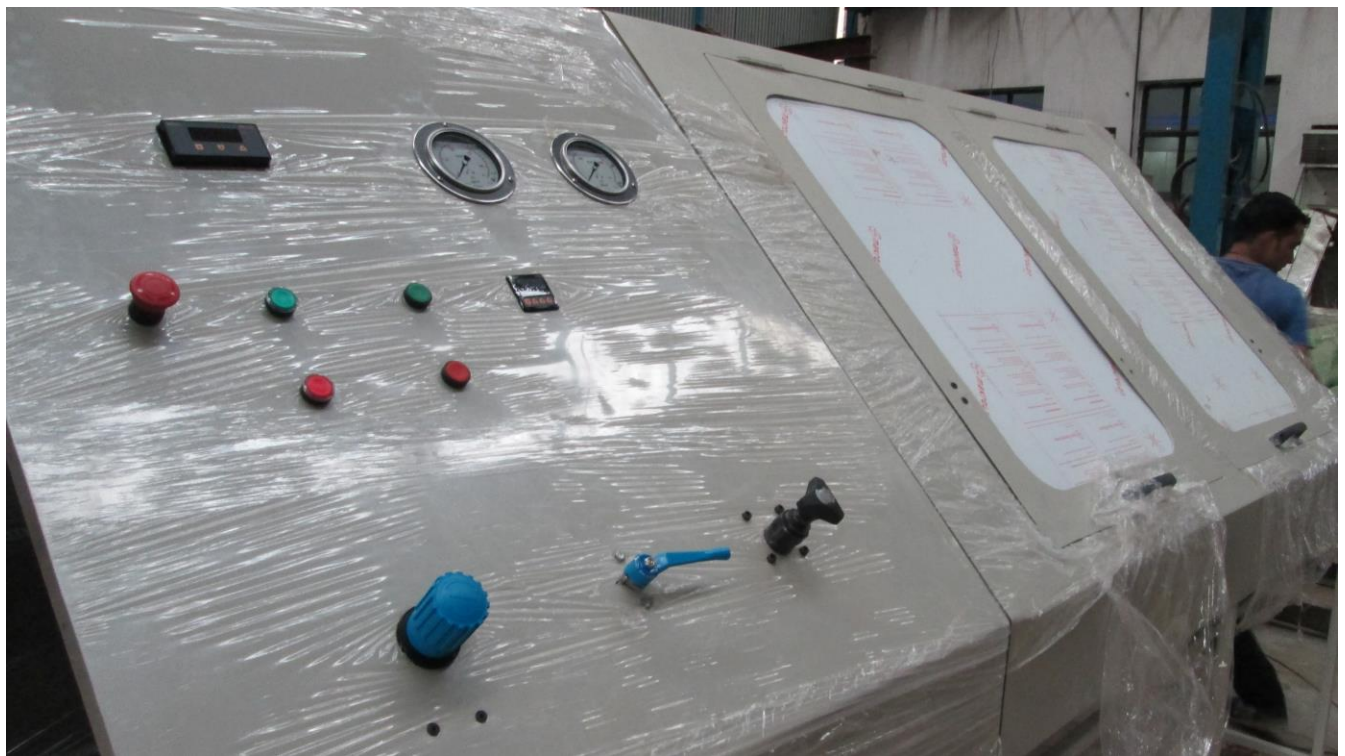


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Hydraulic Hose Leak Test Rig About

The Test Rig is Pneumatic Hydraulic. Safety & user Friendliness are the key features of the provided Test Rig. The Test Rig has been designed to address all the requirements of the Design Document.

- With this Test Rig, Operator can work independently.
- The entire Test as specified can be done on this Test Rig.



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Specifications

- Arrangement to carry out static pressure testing of Hose/Tube assemblies of different sizes to a maximum pressure of 10000psi
- Digital gauges and Burdon gauge for pressure reading.
- Timer for setting the test time duration.
- Pressure relief valve to hold a maximum pressure of 10000psi.
- Power and manual operated pumps are provided.
- Suitable cooling system is provided .
- A suitable safety HOOD is provided with focus light.
- couplings are provided for pressure hose/tube fitting.
- Filters in the hydraulic and pneumatic lines.
- Limit switch is given on testing window to automatically release the pressure through safety valve.



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Application

This Test Rig is used for Hydraulic Hose Leak Testing.



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Key features

Pressure Indicator:

The maximum working pressure of the Rig is 800 bar. One pressure transmitter is mounted for main line pressure.

Fluid Level Indicators :

A vertical fluid level indicator is mounted on front of tank to permit visual monitoring of the level inside the Tank.

Filtration System

The filters are able to achieve the cleanliness in the working fluid. Three filters of 10 micron,5micron and 5 micron are used in the system.

Front Panel

The front Panel shall provide means for activating, monitoring and indicating the various operating parameters of Test Rig.

The front panel has following function on it:-

- Emergency stop switch.
- Pressure regulator valve.
- Main motor ON/OFF switch.
- Timer START/RESET Switch.
- Main Line pressure Indicator (800 bar)
- Gauge for pneumatic pressure(0-16 bar)
- Gauge for Main line pressure(0-800 bar)
- Timer to Set testing time duration.
- Selector S/W to select testing pressure.

Electric Control Panel

Control panel is provided on back of the front panel to control Hydraulic pumps , Pneumatic actuators and pressure indicators mounted on front panel.

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