

HIGH PRESSURE HOSE TEST RIG

PURPOSE: To carry out Developmental, Production or Routine Tests for Leak, Proof Pressure or Burst on hoses (please see our “[Notes On Safety In Pressure Testing](#)”).

MEDIUM: The medium for the tests can be plain tap water (or any specified fluid).

HIGHLIGHTS: The test rig has the following salient operational & safety features

- Test chamber with transparent lid to view hoses under pressure in the test well. Automatic stop and depressurization of the system if the lid is opened inadvertently.
- Inlet and outlet multiple manifolds (with customer specified hose stations), housed inside the test well, offering intrinsic safety.
- Custom made large test well to accommodate customer specified length of hose.
- Twin test well option to facilitate testing of one set of hoses while another set is being installed or removed.
- Ergonomic operational Control Panel to facilitate safe operations by single semiskilled operator.
- Ergonomic layout free access of components for easy maintenance. Lockable maintenance doors to prevent unauthorized access.
- Compressed Air Driven pumps for safe operations in Class 1 or Zone 1 hazardous area.
- Inbuilt reservoir with sight glass and suction strainer for operational ease and run dry safety. Spill free and Eco Friendly ‘Return to Reservoir’ circuit that prevents wastage of fluid.
- Inbuilt safety relief valve to prevent accidental over pressure and hence intrinsic personnel safety.
- Optional feature for Electronic Control of “Test Pressure” as well as “Relief Pressure” to multi task and make the test rig more user friendly.
- State of the art proven technology.
- Proactive Warranty & Product Support.

SYSTEM CHARACTERISTICS

Prefill : To facilitate quick and efficient operations when using multiple hose stations with long large ID hoses, the system can be offered with integral high flow electric or pneumatic pump to do the prefill on the test hoses once they are connected inside the test chamber (Optional).

Pressure Test: The pressurization of the hoses is done quickly by compressed air driven pump(s) or pressure intensifiers. Caters to customer specific test pressure (up to 150,000 psi -10kbar).

Control Panel: Ergonomic Control Panel for safe and automatic inattentive operation by semiskilled labour.

Safety : Intrinsic safety features including customer specified features.

Optional Features: Several optional features - from simple manual controls, chart recorders to fully automated digital controls, data logging and bar coded tagging of customer specified information.

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