



Multiple station hose test rig for hose assembly facilities up to 30,000 psi

BACKGROUND

To meet Quality Assurance Regulations there is an increasing need for hose and hose assemblies to be pressure tested prior to delivery to customers. This creates a need for a Hose Pressure Test Rig, which will quickly and effectively test the product in accordance with these regulations.

Haskel has for many years been a specialist in the design and manufacture of high pressure hydraulic and gas test systems and supply a wide range of Hose Test Rigs built to BS 5750 Part 2 Quality Assurance to meet customer's exact testing and certification requirements.

DESCRIPTION

Haskel Hose Test Rigs can be supplied to test single or multiple containers simultaneously to pressures up to 100,000 psi (7,000 bar) and hold this pressure indefinitely without consuming power. Test media can be water, oil and water, hydraulic oil and special oils such as Skydrol.

The Test Rigs each comprise the following key items:

- A test chamber with a transparent lid through which the hoses can be viewed safely while under pressure to check for leakage.
- Inlet and outlet single or multiple high-pressure manifolds (for connection of hoses to be tested) are housed in the test chamber.
- A control panel which includes air pressure regulator, air pressure gauge, on/off speed control valve, pressure release valve and hydraulic test pressure gauge.
- Haskel air driven liquid pump(s) to generate the required test pressures. There is a wide range of pump models available to meet any pressure, flow and fluid test requirements. Ask for our liquid pump catalog for fill pump performance and specification details.
- A fluid reservoir with suction strainer, filler cap/breather and sight glass.
- Complete with all necessary pipe work, valves (including relief valve) and fittings to ensure an operator safe system.

SAFETY FEATURES

- The pump will not generate pressure until the lid is closed thus allowing air to be bled from the hoses
- A strong test well, which will withstand impact from any hoses which may burst while they are being pressurized
- Strong transparent window included in the lid, which allows the operator to view safety leaks that occur in the hoses while they are being tested.
- Immediately when the lid is unlatched the hoses will be depressurized through a Haskel air operated release valve. This ensures that the operator can not be exposed to hoses under high pressure and therefore open to the risk of a burst test taking place in a confined area.
- Fluid present within the test well is automatically drained back into the reservoir.
- Safety relief valve fitted to ensure the hoses are not overpressurized.



A small portable, single station, low cost, manual or air operator test rig for small hose lengths and pressures up to 15,000psi



A test rig with a test chamber up to 48" square for testing hose coils for pressures up to 30,000 psi



Pulse Test Rig



Mandrel extraction and pressure test rig combines high flow with testing to 30,000 psi

Large fully automatic multiple station test rigs for hose manufacturers production facilities are also available, as well as pressure test rigs for other requirements including burst, flow, leakage and pulse testing to recognized standards.



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