

Mobile Hydrostatic Test System

Models J24352

Hydrostatic Pressure Test System suitable for use with water to generate a maximum outlet test pressure of 22,500 psi.

Pressure is generated by means of three pumps operating in sequence, first pump works as a pre fill and generates an outlet pressure of 750 psi, once achieved the second pump will operate. This pump will pressurise the test piece up to 3,600 psi then the third and final pump will generate pressures up to 22500 psi.

Time to pressurise an 820 litre volume to 10,000 psi will be approximately 53 minutes. This is based on an air drive pressure of 80 psi at a flow rate of 180 scfm.

The test system includes locations for two chart recorders (not supplied) these can be used to record pressure generated by the system or from an external test piece through a 1/4" HP fitting found at the rear of the system



The System Comprises:

- Three Haskel air driven liquid pumps. First stage pre-fill pump model ASFD-10, second stage pump model GSF-60 and final stage high pressure pump model 8HSFD-225.
- Common air drive inlet filter with individual air drive pressure regulator, regulated air pressure gauge and speed control on/off valve to each pump.
- Water inlet with shut off valve and suction strainer.
- Air pilot switches to automatically start second and final stage pumps as system pressure is developed.
- Protection for lower pressure pumps by means of check valves and pressure relief valves.
- Outlet pressure gauge and pressure relief valve.
- Outlet isolation valve.
- Mimic panel
- Downstream of outlet isolation valve will be the connections for customer to fit own supply 12" single pen circular chart recorders (model 53011). One 0-2,000 psi with isolating valve and pressure relief valve protection the other 0-30,000 psi. Also included in the outlet is a pressure transducer with digital readout, analogue pressure gauge and manual pressure release valve.

Connections

Air inlet	3/4" BSP (F)
Liquid Inlet	1" BSP (F)
Outlet Connection	9/16 HP (F)
External inlet (high pressure)	1/4" HP (F)