

# MOBILE HYDROSTATIC TEST SYSTEM



## MODEL J24352

Haskel Hydrostatic Pressure Test Systems are 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 to generate an outlet pressure of 750 psi; once that pressure is achieved, the second pump will operate. This pump will pressurize the test piece up to 3,600 psi, at which the third pump will generate pressures up to 22,500 psi.

Time to pressurize an 820 litre volume to 10,000 psi takes 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 pressures generated by the system or from an external test piece through a 1/4" HP fitting found at the rear of the system.



## KEY FEATURES

- 3 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
  - 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
  - Pressure relief valve
- Outlet isolation valve
- Mimic panel

- Downstream of outlet isolation valve 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
  - Pressure transducer with digital readout, analogue pressure gauge and manual pressure release valve in outlet

## 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)
Drain connection point	1/2" NPT (F)