

# Hippo Hose Test Rig

## Pressure Test Unit

The Haskel Hippo Hose Test Rig is a self-contained air driven test system. Initially designed for testing hydraulic hoses it also is ideal for testing a range of components from pipe assemblies flow meters. Each unit is supplied complete with air driven pressure generation and control circuit and a robust test chamber with interlocked test well door.

- Test pressure range up to 2,000 bar.
- Flow-rate up to 5 litres/min.
- Test fluids hydraulic oil, inhibited water or plain tap water. Special fluids can be catered for such as Skydrol.
- Manifold connections 1/2" BSP female.
- Standard dimensions 160 cm x 60 cm x 130 cm high. Special sizes on request.
- Test well 120 cm x 60 cm x 70 cm high.
- Approx. gross weight 200 KGs.
- Air drive required 0.75 Nm<sup>3</sup>/min at 6 bar.
- Electrics 240 volts 50 Hz single phase.
- Color - Base Signal Blue RAL5005. Test well console Pearl White RAL1013 or from stainless steel.

## Equipment Options

- Totally pneumatic rig with single outlet port.
- Totally pneumatic rig with fixed and sliding 3 port manifolds.
- PLC/ Pneumatically controlled rig with fixed and sliding manifolds.
- Various outlet pressure ranges.
- Interior light.



## Model Selection Chart - Based on 6 barg air drive available \*\*

PUMP MODEL	PRESS RANGE** Barg	FLOW CAPACITY Litres/min	FLUID SERVICE	MODEL ORDERING CODE	CONFIGURATION
AW-35	10—200	5	OIL	J23376-AW-35	SINGLE OUTLET FOR OIL SERVICE, MILD STEEL PAINTED TEST CHAMBER WITH STAINLESS STEEL BASE PLATE
AW-60	20—400	3	OIL	J23376-AW-60	
AW-150	40—1,000	1	OIL	J23376-AW-150	
HF-300	80—2,000	0.5	OIL	J23376-HF-300	
ASF-35	10—200	5	WATER	J24242 ASF-35	3 PORT FIXED AND SLIDING MANIFOLDS STAINLES STEEL TEST WELL
ASF-60	20—400	3	WATER	J24242 ASF-60	
ASF-150	40—1,000	1	WATER	J24242 ASF-150	
HSF-300	80—2,000	0.5	WATER	J24242 HSF-300	

### Description

The Hippo Hose Test Rig J23376-XXX is a self-contained test unit supplied complete with the following

- Haskel air driven liquid pump
- Air controls comprising air filter, air pressure regulator, air gauge on/off speed control valve and air exhaust silencer
- Steel fluid reservoir with filler/breather & sight glass (if applicable)
- Fluid suction filter
- Outlet pressure gauge
- Air operated pressure release valve venting fluid back to tank
- 1/2" BSP female outlet port on which to mount the test hose, free end of hose to be plugged after prefill.
- Air blow down valve to help evacuate test fluid from hose after test.
- Mild steel test chamber with hinge access door and gas spring to assist opening.
- Door is equipped with valve to stop pump and release pressure on opening

The Hippo Hose Test Rig J24242-XXX is a self-contained test unit similar to above with the following changes

- The pump is of stainless steel construction for water service
- Test well is manufactured from stainless steel
- Unit is supplied with 3 port fixed and 3 port sliding manifold (1/2" BSP Ports) to enable up to three hoses to be tested

Air Drive inlet 1/2" BSP

Dimensions 160cm x 60cm x 130cm high