



# Gem Pressure Systems (India) Pvt. Ltd.

## LIQUID PRESSURE TEST UNITS



### MODELS GPSTP 33, GPSTP 200

Gem's Test Units are rugged, portable, lightweight test rigs, designed for shop floor and on site pressure testing. Units are self contained and powered by compressed air.

#### SUITABLE FOR USE IN MOST INDUSTRIES

- Oil & Gas
- Petrochemical
- Power Generation
- Automotive
- Paper
- Food Industry
- Defense
- Aerospace
- Ship Building

Hydro - Testing of Valves (Choke shields etc)  
 Hydro - Testing of Pipelines  
 Testing of Tools  
 Hose Pressure Testing



### ADVANTAGES OVER CONVENTIONAL ELECTRICAL DRIVEN POWER UNITS

- Ability to stall at any predetermined pressure and hold this fixed pressure without consuming power or generating heat
- No heat, flame or risk of spark
- Infinitely variable cycling speed (flow rate)
- No limit or adverse effect to continuous stop/start applications
- Pump seals are self lubricated requiring no external air line lubricator
- Reliable, easy to maintain, compact and robust
- Stainless Steel frame standard
- Portable configuration



**GPSTP 33**

|                           |  |
|---------------------------|--|
| Max Pressure PSIG (BARG)  | 0-15000 (1034)                                     |
| Flow GPM (LPM)            | 0 - 0.44 (1.6)                                     |
| Materials of Construction | Plunger - 316 SS<br>Body - 303 SS<br>Seal - UHMWPE |
| Applications              | Hydrotesting - Water or Oil<br>Crimping/Clamping   |



**GPSTP 200**

|                           |  |
|---------------------------|--|
| Max Pressure PSIG (BARG)  | 0-30000 (2068)                                       |
| Flow GPM (LPM)            | 0 -1 (3.78)  |
| Materials of Construction | Plunger - Stellite<br>Body - 303 SS<br>Seal - UHMWPE |
| Applications              | Hydrotesting - Water or Oil<br>Burst Testing         |



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Factory : 5-11 Sharif Nagar, RCI Road, Hyderabad – 500005 INDIA

Ph : +91 40 64640125, +91 40 64645125, Mobile : +91 99663144482



# Gem Pressure Systems (India) Pvt. Ltd.

**Introducing Gem's new Hose Test Rigs type Ace series for pressure testing of hoses upto 6895 Bar.**



The Gem's Ace Hose Test Rig is a self contained air driven test system. Basically designed for quickly and effectively hydraulic testing of hoses it is also ideal for testing a range of components including pipe assemblies and fittings. The Ace Hose Test Rig can be supplied to test single or multiple hoses upto a pressure of 6895 Bar, it can hold this pressure indefinitely without consuming power. Test media can be water, petroleum base oils, oil and water, hydraulic oil and special oils such as Skydrol and Aerosafe. In case of leakage the emitting fluid will flow back into the reservoir without any loss of testing fluid.

The Ace Hose Test Rig is supplied complete with air driven pressure generation and ergonomic control circuit, a robust test chamber with transparent interlocked door through which the hoses can be viewed safely while under pressure to check for leakage and a reservoir of approximate 150 litres capacity with suction strainer and sight glass.

Ace series optionally available with data acquisition system for automated hydrostatic pressure testing with touch screen panel for operating and monitoring the test which also enables to take print out of the test results.

## Model Selection Chart

| MODEL    | PRESSURE RANGE | OPTIONS AVAILABLE |
|----------|----------------|-------------------|
| ACE-7000 | 0-7000 Bar     | MH, SS, AUTO      |
| ACE-4000 | 0-4000 Bar     | MH, SS, AUTO      |
| ACE-2000 | 0-2000 Bar     | MH, SS, AUTO      |
| ACE-1000 | 0-1000 Bar     | MH, SS, AUTO      |
| ACE-500  | 0-500 Bar      | MH, SS, AUTO      |

### Options:

Besides standard hydrostatic hose test system, the Ace series can also be supplied with number of options indicated as below, add ordering code to the above model.

- OPTION**
1. Manifold for multiple hose testing
  2. Stainless Steel enclosure
  3. Data acquisition system.

**ORDERING CODE**  
MH  
SS  
AUTO

Standard size 2100mm x 1250mm x 885 mm  
Air Inlet Port: 1/2" BSP M

We can also design a customize Hose Test Rig as per customers requirement. Please consult factory for further details.



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