**Model HP**

Hand Pump
Generates Pressures up to 45 psig (3 bar), Single Hand Operation

Model HP Hand Pump provides a dual source of pneumatic pressure and vacuum for verifying the calibration of pressure instrumentation. Pump can generate pressures up to 45 psig (3 bar) and vacuum to -27 in Hg (-910 mbar). The compact pump is designed for portability and single hand operation.

Model HP features a pressure relief valve and fine adjustment for control better than 0.0015 psi (0.1 mbar). Pump includes two 39˝ (1 m) hoses terminating in 1/4˝ female NPT connections and instruction manual.

**SPECIFICATIONS**

- **Output Ranges:** -27 in Hg to 45 psig (-910 mbar to 3 bar).
- **Process Connection:** 1/4˝ female NPT (quick fit).
- **Fine Adjustment:** Better than 0.0015 psi (0.1 mbar).
- **Materials:** Nickel plated brass and anodized aluminum.
- **Weight:** 20 oz (587 g).

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**Series CHP**

Pneumatic Hand Pump
Vacuum or Pressure, Ranges up to 100 psig

The Series CHP Pneumatic Hand Pump is the most dependable and rugged pump for applications up to 100 psi or 28.8 in Hg vacuum. The durable Acetel plastic and anodized aluminum construction prevents body heat transfer, resulting in drift-free, accurate readings. The Series CHP is equipped with oversized check valves in order to provide smooth and controlled operation. Dual O-Rings on all pistons ensure the pump to be leak-free. The unit includes a 2˝ L hose, 1/8˝ female NPT gauge fitting, and 1/8˝ NPT pipe plug. An optional hose kit is available so that a tee is not required when connecting a sensor and a calibrator. The Series CHP is ideal for checking calibration of pressure or vacuum gauges, switches, or transmitters.

**SPECIFICATIONS**

- **Output Range:**
  - CHP-P: 0 to 100 psi
  - CHP-V: 0 to -28.8 in Hg
- **Process Connection:** Two 1/8˝ female NPT ports, one with a removable plug.
- **Materials:** Acetel plastic and anodized aluminum.
- **Pressure Limit:** 150 psig (10.34 bar).
- **Temperature Limit:** Not to exceed 150°F (65.6 °C).
- **Displaced Volume:** Approximately 4 in³.
- **Dimensions:** 9˝ L x 1.5˝ D.
- **Weight:** 1.5 lb (680 g).

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**Model HP-1, Hand Pump** .......................................................... $525.00⑤

**ACCESSORIES**

- Model HP-1K, Service Kit .......................................................... $102.00⑤
- Model HP-1C, Hard Case .......................................................... 128.00⑤

⑤ Items are net priced and are not subject to any discount.

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**Model CHP-P, Pressure Calibration Pump** ........................................ $350.00③

**Model CHP-V, Vacuum Calibration Pump** ........................................ 350.00③

③ Items are subject to Schedule B discounts.

**ACCESSORY**

- CHP-KIT, 2˝ Hose and NPT Fitting ............................................. $49.00③

③ Items are net priced and are not subject to any discount.