

HAND PUMPS

PRESSURE OR VACUUM, HYDRAULIC OR PNEUMATIC

TTI's hand-held, portable pumps, supply pressure generation with standard fine-tuning adjustments and pressure relief valves. These pumps are ideal for use with electronic calibrators, digital indicators, analog gauges, pressure transmitters, transducers, relief valves, or similar instrumentation.

The rugged and reliable design of these pumps and the fine adjustment controls added to their design provides a low cost way to verify the performance of pressure instrumentation. Pumps can be purchased independently, or in a kit including carrying case, NPT adapters, seals and hoses.

- **Hand-held pressure or vacuum generation**
- **Low-cost way to verify performance of pressure instrumentation**
- **Rugged and reliable design**
- **Fine adjustment control**

HTP1



The HTP1 hydraulic pump is currently the only hand pump capable of generating pressure up to 15,000 psi, utilizing hydraulic oil, Skydrol or distilled water. The pump includes a unique high pressure or priming selector on the scissor action pump mechanism, making pressure generation above 5,000 psi easier.

SPECIFICATIONS

PRESSURE RANGE	
HTP1 - 700	0 to 700 bar/10,000 psi
HTP1 - 1000	0 to 1000 bar/14,500 psi
PRESSURE MEDIA	
Mineral based hydraulic oil or Distilled water ('Skydrol' and brake fluid available HTP1-S)	
PRESSURE CONNECTIONS	
3/8" BSP female indication, 1/4" BSP female (process), 1/4" NPT female adapters	
WEIGHT	3.5 lb.
VOLUME	100cc

TP1



The TP1 pneumatic pump generates pressure to 360 psi, or vacuum to 25" Hg on the same unit. Made with no plastic parts these pumps are designed to endure harsh environments unlike our competitor's disposable models.

SPECIFICATIONS

OUTPUT PRESSURE	0 to 25 bar/360 psi
OUTPUT VACUUM	0 to -0.8 bar/0 to -24" Hg
MATERIALS	Bright nickel plated brass, clear anodized aluminum
ADJUSTMENT	Fine volumetric pressure/vacuum adjuster
WEIGHT	1.5 lb.

LTP1



The LTP1 pneumatic pump also acts as a dual source of pressure and vacuum over smaller ranges making very fine adjustments easier. The LTP1 range is 25" Hg vacuum to 30 psi, with 0.00145 psi sensitivity.

SPECIFICATIONS

OUTPUT PRESSURE	0 to 2 bar/30 psi
OUTPUT VACUUM	0 to -850 mbar/0 to -25" Hg
MATERIALS	Bright nickel plated brass, clear anodized aluminum
ADJUSTMENT	Fine volumetric pressure/vacuum adjuster with 0.1 mbar / 0.00145 psi sensitivity
WEIGHT	1.5 lb.

ORDERING INFORMATION

HTP1-700	Hydraulic pump, 10,000 psi	\$ 795
HTP1-1000	Hydraulic pump, 14,500 psi	995
TP1-360	Pneumatic pump & Vacuum, 360 psi to -24 inHg	395
LTP1-30	Pneumatic pump & Vacuum, 30 psi to -25 inHg	495