

## Hand Operated Vacuum/Pressure Pumps



**MODEL LTP1**  
 Vacuum to Low  
 Pressure Pump (Pneumatic)  
 Range: 24 in.Hg vac. to 30 psi pressure

The LTP1 offers all-metal construction with an isolated handle (to minimize temperature affect) for superior stability at low pressures down to 1 inch H<sub>2</sub>O.

Includes:

- Vernier control for fine adjustment
- Pressure/vacuum selector

- (2) hoses; 1 meter length
- (2) adapters with 1/8 NPT male
- (1) adapter with 1/4 NPT male

Optional Carrying Case  
 (P/N 864X075-01)

- Plastic case
- Die cut foam insert



**MODEL TP1-40**  
 Vacuum to Medium  
 Pressure Pump (Pneumatic)  
 Range: 29 in.Hg vac. to 365 psi pressure (normal use); 600 psi (maximum effort)

The TP1-40 combines the ability to generate both high vacuum levels and high pneumatic pressure in a single, rugged, field worthy pump.

Includes:

- Vernier control for fine adjustment
- Pressure/vacuum selector
- (1) hose; 1 meter length, w/ 1/4 NPT female termination
- 1/4 NPT swivel (top port) for connection of test device

Optional "Second Hose" Kit

Includes:

- "Quick Fit" adapter for top of pump (replaces swivel)
- (1) hose with "Quick Fit" connection (pump side) and 1/4 NPT female termination
- Set of adapters:
  - (2) 1/4 NPT male x 1/8 NPT male
  - (1) 1/4 NPT male x 1/4 NPT male

Optional Carrying Case:  
 (P/N 864X076-01)

- Plastic Case
- Die Cut Foam insert



**MODEL HTP1-40**  
 High Pressure Pump (Hydraulic)  
 Range: 0-10,000 psi

The HTP1 offers solid construction for safe and easy high pressure generation. The optional hose kit maximizes convenience and utility while serving to limit instability due to adiabatic heating.

Includes:

- Vernier control for fine adjustment
- Operates with water or oil
- (2) 1/4 NPT hose ports

Optional Hose Kit  
 (P/N 840X014-01)

Includes:

- (2) heavy duty, flexible hoses, 1 meter length
- Quick connect, self sealing hose ends
- (2) adapters with 1/8 NPT male
- (1) adapter with 1/4 NPT male

Optional Carrying Case  
 (P/N 864X077-01)

- Plastic case
- Die cut foam insert