

## Hand Operated Vacuum/Pressure Pumps



**MODEL DPOV-PK**  
**Vacuum Pump**  
*Range: 0-23 inHg Vacuum*  
**Pressure Pump (Pneumatic)**  
*Range: 0-60 psi*

The DPOV is a rugged, lightweight pump available in both vacuum (-VK) and pressure (-PK) configurations.

*Includes:*

- Vernier control for fine adjustment
- (2) hoses; 3 ft. length with ½-20 UNF “finger tight” quick release ends

- (2) adapters with ⅛ NPT male termination
- Convertible to pressure or vacuum generation by changing check valve



**MODEL APOV-PK**  
**Medium Pressure Pump (Pneumatic)**  
*Range: 0-220 psi*

The APOV is a portable, lightweight pressure source ideal for laboratory or field pressure calibration applications.

*Includes:*

- Vernier control for fine adjustment
- (2) hoses; 3 ft. length with ½-20 UNF “finger tight” quick release ends
- (2) adapters with ⅛ NPT male termination



**POV Series Accessories**

Check Valves

- 840X008-02: Check Valve, converts DPOV-VK to DPOV-PK
- 840X008-01: Check Valve, converts DPOV-PK to DPOV-VK

Additional Hoses

- 840X007-01: 3 foot hose with ½-20 UNF quick release ends
- 840X007-02: 5 foot hose with ½-20 UNF quick release ends

Hose Fitting Adapters

- 840X006-01: ⅛ NPT Male
- 840X006-02: ¼ NPT Male
- 840X006-03: ⅛ NPT Female
- 840X006-04: ¼ NPT Female
- 840X006-05: ¼ tube fitting
- 856X034-01: Fittings Kit (1 of each)

Additional Plumbing Accessories Kit for use with all Models (except HTP1)

- 856X027-01 includes:
- (2) ⅛ NPT Male x ⅛” barb
  - (1) ⅛ NPT Male x ⅛” barbed tee
  - (1) ⅛ NPT Male x ⅛ NPT Female tee
  - (2) ⅛ NPT Male x ¼ NPT Female
  - (2) ⅛ NPT Male x ⅛ NPT Male

## 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