

# Additel 920, 920HV

## Series High Pressure Test Pump

- Generate 95% vacuum to 3,000 psi (200 bar) pressure
- Generate 3,000 psi (200 bar) in 40 seconds
- Minimal maintenance
- Hand-tight quick connectors
- High volume model available



### OVERVIEW

The 920 and 920HV High Pressure Test Pump are hand operated pressure pumps designed to generate pressure from 95% vacuum to 3,000 psi (200 bar). With a long lever, it takes just 40 seconds to reach 3,000 psi (200 bar). The high volume (HV) model has been outfitted with a higher volume pump to provide added capacity. A quality screw press is designed for fine pressure adjustment, with an adjustment resolution up to 10 Pa (0.1 mbar).

A specially designed shut-off valve makes the pressure as stable as possible during calibration. A built-in gas-liquid isolator protects the pump from moisture and dirt to reduce the need for maintenance. The residual liquid in the pump introduced from devices under test will be pushed out and collected during pressure release. Two hand-tight quick connectors installed on the pump allow easy connecting and disconnecting to the test pump without the need for PTFE tape or wrenches. The 920 is an ideal comparison test pump for pressure instruments calibration.

### FEATURES

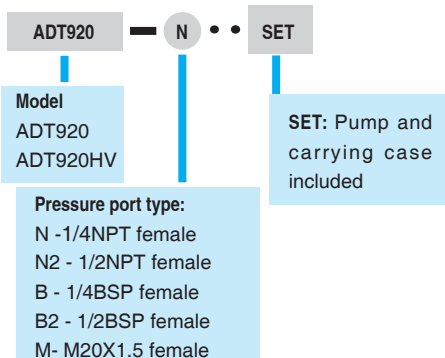
- **High Efficiency**  
Generate 3,000 psi (200 bar) in 40 seconds.
- **Adjustment Resolution**  
0.001 psi (10 Pa, 0.1 mbar).  
High-quality screw press for fine pressure adjustment.
- **Great Stability**  
A specially designed shut-off valve makes the pressure as stable as possible during calibration.
- **Durable and Minimal Maintenance**  
Built-in gas-liquid isolator protects the pump from moisture and dirt.  
The residual liquid in the pump introduced from devices under test will be collected and then pushed out and collected during pressure release.  
Anticorrosive and wear resistant material are used to improve the reliability further.
- **Hand-tight Quick Connectors**  
Allows easy connecting and disconnecting to the test pump without the need for PTFE tape or wrenches.

### SPECIFICATIONS

- **Media:** Air.
- **Generated Pressure Range**  
95% vacuum to 3,000 psi (200 bar) positive pressure
- **Adjustment Resolution:** 10 Pa (0.1 mbar/0.0015 psi)
- **Material:** Ram/adapters: SS  
Body: SS, aluminum  
Seals: Buna-N, F357, PTFE, Copper Alloy
- **Piston volume:** 60 ml (3.7 in<sup>3</sup>) for 920,  
115 ml (7.02 in<sup>3</sup>) for 920 HV
- **Connection**  
Hand-tight connectors for both test gauge and reference gauge.  
1/4NPT female, 1/2NPT female, 1/4BSP female, 1/2BSP female, or M20X1.5 female
- **Dimensions:**  
Height: 7.00" (178 mm);  
Base: 21.26" (540 mm) x 10.63" (270 mm).
- **Weight:** 14.3 lb (6.5 kg) for 920,  
15.9 lb (7.2 kg) for 920HV
- **Warranty:** 1 year

### ORDERING INFORMATION

#### Model Number



#### Accessories included

- O-ring: 20 pcs
- Manual: 1 pc
- Carrying case (920-X-SET models only)

#### Optional Accessories

Model number	Description
ADT102	Adapters and fittings, 1/4NPT male to various male and female connection (25 pcs).
ADT103	Adapters and fittings, 1/4NPT (1/2NPT, 1/4BSP, 1/2BSP, or M20X1.5) male to various female hand-tight quick connectors (10 pcs).
ADT100-HTK-8K	Hose test kit, 5 feet flexible hose, 8,000 psi, user selectable male (1/4NPT, 1/2NPT, 1/4BSP, 1/2BSP, M20) to user selectable female hand tight quick connector.
9909-920	Carrying Case for one 920 pump and two 681 gauges or 672 calibrators
9909-920HV	Carrying Case for one 920HV pump and two 681 gauges or 672 calibrators
ADT920-MK	Maintenance kit for Additel 920 pump
ADT920HV-MK	Maintenance kit for Additel 920HV pump

Note: For oil free applications contact Additel.