

Additel 920 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
- First one in the world



OVERVIEW

The 920 High Pressure Test Pump is a hand operated pressure pump designed to generate pressure from 95% vacuum to 3,000 psi (200 bar). With a long lever, it just takes 40 seconds to reach 3,000 psi (200 bar). A high-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 in³)
- **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 (6.5kg).
- **Warranty:** 1 year

ORDERING INFORMATION

Model Number

ADT920 — N

Model

Pressure port type:

N - 1/4NPT female
N2 - 1/2NPT female
B - 1/4BSP female
B2 - 1/2BSP female
M - M20X1.5 female

Accessories included

O-ring: 20 pcs
Manual: 1 pc

Optional Accessories

Model number	Description
ADT102	Adapters and fittings, 1/4NPT male to various male and female connection (25 pcs). More information shown on page 61.
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). More information shown on page 62.
ADT100-HTK	Hose test kit, 5 feet flexible hose, 15,000 psi, 1/4NPT male to 1/4NPT (1/8NPT, 1/2NPT, 1/4BSP, 1/2BSP, or M20X1.5) female hand-tight quick connector. More information shown on page 63.
9909-920	Carrying Case for one 920 pump and two 681 gauges or 672 calibrators
ADT920-MK	Maintenance kit for Additel 920 pump

Note: For O₂-clean applications contact Additel.