

# Additel 918

## Pneumatic Pressure Test Pump



- Generate 95% vacuum to 1,500 psi (100 bar) pressure
- Portable, only 5.7 lb
- Great stability and high resolution
- Minimal maintenance
- Hand-tight quick connectors



### OVERVIEW

The 918 Pneumatic Pressure Test Pump is a hand operated pressure pump designed to generate pressure from 95% vacuum to 1,500 psi (100 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 918 can be special ordered to comply with oxygen free applications. 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 918 is an ideal comparison test pump for pressure instruments calibration.

### FEATURES

- **Portable**  
Only 5.7 lb (2.6 kg)
- **High Resolution**  
0.001psi (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.
- **Easy-to-use**  
Pressurize to desired pressure by the pump lever directly, and then make fine adjustment. No high-pressure valve needed.
- **Hand-tight Quick Connectors**  
Allows easy connection and disconnection to the test pump without the need for PTFE tape or wrenches.

### SPECIFICATIONS

- **Media:** Air.
- **Generated Pressure Range**  
95% vacuum to 1,500 psi (100 bar) positive pressure
- **Adjustment Resolution:** 0.001 psi (10 Pa , 0.1 mbar).
- **Material:** Ram/adapters: SS  
Body: SS, aluminum  
Seals: Buna-N, FTM, PTFE, Copper Alloy
- **Piston volume:** 27 ml (1.6 in<sup>3</sup>)
- **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: 5.5" (140 mm)  
Base: 12.4" (315 mm) x 7.8" (198 mm)
- **Weight:** 5.7 lb (2.6 kg).
- **Warranty:** 1 year

### ORDERING INFORMATION

#### Model Number

ADT918	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.
9904-918	Carrying Case for one 918 pump and two 681 gauges or 672 calibrators
ADT918-MK	Maintenance kit for Additel 918 pump

Note: For O<sub>2</sub>-clean applications contact Additel.

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