Additel 912A
Low Pressure Test Pump

- Generate 95% vacuum to 60 psi (4 bar) pressure
- Portable
- Great stability and high resolution
- Minimal maintenance
- Hand-tight quick connectors

Additel
Metrology Made Simple



OVERVIEW

The 912A Pneumatic Pressure Test Pump is a hand operated pressure pump designed to generate pressure from 95% vacuum to 60 psi (4 bar). A high-quality screw press is designed for fine pressure adjustment, with an adjustment resolution up to 0.1 Pa (0.001 mbar). The 912A is a very stable low pressure calibrator. It makes use of an isothermal bellows chamber which is designed for reducing the possible effects of environmental temperature change. Most pumps make use of a check valve (non-returning valve) and are not well insulated which will cause large fluctuations in pressure with a change in ambient temperature or when the unit is touched. The 912A does not use a check valve and is remarkably stable. Two hand-tight connectors installed on the pump allow easy connecting and disconnecting to the test pump without the need for PTFE tape or wrenches. The 912A is an ideal comparison test pump for low pressure application.

FEATURES

- **Portable:** Only 6.2 lb (2.8 kg)
- **Adjustment Resolution**
  0.1 Pa (0.001 mbar)
  High-quality screw press for fine pressure adjustment
- **Great Stability**
  Isothermal chamber: the pressure chamber is insulated to reduce the influence from environmental temperature changes
  Specially designed bellows minimize leakage to guarantee excellent stability
  Shut-off valve closes the air in the isothermal chamber during calibration
- **Durable and Minimal Maintenance**
  Built-in gas-liquid isolator protects the pump from moisture and dirt
- **Easy-to-use**
- **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 60 psi (4 bar) positive pressure
- **Adjustment Resolution:** 0.1 Pa (0.001 mbar).
- **Material:** Ram/adapters: SS
  Body: SS, aluminum
  Seals: Buna-N, PTFE, Copper Alloy
- **Piston volume:** 21 ml (1.3 in^3)
- **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: 5.51" (140 mm)
  Base: 10.75" (273 mm) x 10.16" (258 mm)
- **Weight:** 6.2 lb (2.8 kg).
- **Warranty:** 1 year

ORDERING INFORMATION

- **Model Number**

ADT912A — N • • SET

Model

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

SET: Pump and carrying case included

- **Accessories included**
  O-ring: 20 pcs
  Manual: 1 pc
  Carrying case (912A-X-SETmodels only)

- **Optional Accessories**

Model number	*Description*
ADT912A-X-KIT	Test kit for ADT912A (barb fitting, connection hoses, and adapters). X=connection type e.g. N-1/4NPTM, N2-1/2NPTM, B-1/4BSPM, B2-1/2BSPM, M-M20X1.5M.
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.
9904-912	Carrying Case for one 912A pump and two 681 gauges or 672 calibrators.
ADT912A-MK	Maintenance kit for Additel 912A pump
9240	Differential pressure gauge holder

Note: For oil free applications contact Additel.

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