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



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 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: 5.51" (140 mm)

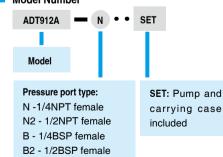
Base: 10.75" (273 mm) x 10.16" (258 mm)

Weight: 6.2 lb (2.8 kg).

Warrantv: 1 year

ORDERING INFORMATION





Accessories included

M-M20X1.5 female

O-ring: 20 pcs Manual: 1 pc

Carrying case (912A-X-SETmodels only)

Optional Accessories

Description
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.
Adapters and fittings, 1/4NPT male to various male and female connection (25 pcs).
Adapters and fittings, 1/4NPT (1/2NPT, 1/4BSP, 1/2BSP, or M20X1.5) male to various female hand-tight quick connectors (10 pcs).
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.
Carrying Case for one 912A pump and two 681 gauges or 672 calibrators.
Maintenance kit for Additel 912A pump
Differential pressure gauge holder

Note: For oil free applications contact Additel.