Additel 901B
Low Pressure Test Pump

Metrology Made Simple

- Generate 6 psi (0.4 bar) vacuum to 6 psi (0.4 bar) pressure
- Portable, only 3.5 lb
- Great stability and high resolution
- Minimal maintenance
- Hand-tight quick connectors



OVERVIEW

The 901B Low Pressure Test Pump is a hand operated pressure pump designed to generate pressures from -6 psi (-0.4 bar) to 6 psi (0.4 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 901B 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 901B 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 901B is an ideal comparison test pump for low pressure applications.

FEATURES

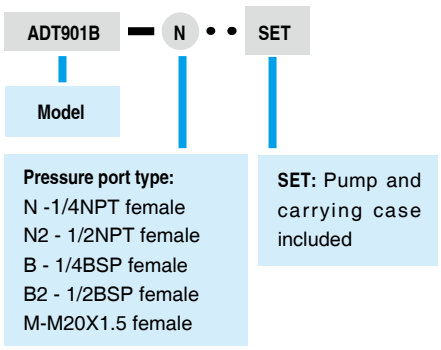
- **Portable:** Only 3.5 lb (1.6 kg)
- **Adjustment Resolution**
  0.1Pa (0.001 mbar); Specially designed screw press for fine pressure adjustment.
- **Great Stability**
  Isothermal chamber: the pressure chamber is insulated to reduce the influence from environmental temperature changes.
  Specially designed bellows minimize leakage to guarantee excellent stability.
- **Durable and Minimal Maintenance**
  Without non-returning valve that is usually used on troublesome hand pump.
- **Easy-to-use**
  Pressure could be set and adjusted precisely and quickly through a simple turn of the handle.
- **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**
  6 psi (0.4 bar) vacuum to 6 psi (0.4 bar) positive pressure.
- **Adjustment Resolution:** 0.1 Pa (0.001 mbar).
- **Material:**
  Ram/adapters: SS
  Body: SS, aluminum
  Seals: Buna-N, PTFE, Copper Alloy
- **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: 5.7" (145mm)
  Base: 9.65" (245 mm) x 6.50" (165mm)
- **Weight:** 3.5 lb (1.6 kg).
- **Warranty:** 1 year.

ORDERING INFORMATION

- **Model Number**



- **Accessories included**
  O-ring: 20 pcs
  Manual: 1 pc
  Carrying case (901B-X-SETmodels only)

- **Optional Accessories**

Model number	*Description*
ADT901B-X-kit	Test kit for ADT901B (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). More information shown on page 69
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 70
9901-901	Carrying Case for one ADT901B pump and two ADT681 gauges or ADT672 calibrators
ADT901B-MK	Maintenance kit for Additel 901B pump
9240	Differential pressure gauge holder

Note: For oil free applications contact Additel.

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