

ADT 901 Low Pressure Test Pump



OVERVIEW

The ADT 901 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 0.01 Pa (0.0001 mbar). The ADT901 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 changes. Most pumps make use of a non-returning valve and are not well insulated resulting in wild fluctuations in pressure with a change in ambient temperature or when the unit is touched. The ADT901 does not use a non-returning valve and is remarkably stable. 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 ADT 901 is an ideal comparison test pump for low pressure applications.

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

FEATURES

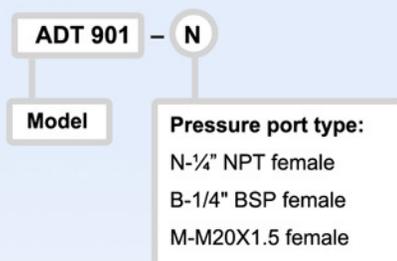
- **Portable:** Only 3.5 lb
- **High Resolution**
 - ✓ 0.01Pa (0.0001 mbar)
 - ✓ Specially designed screw press for fine pressure adjustment.
- **Great Stability**
 - ✓ Isothermal chamber: the pressure chamber is insulated to reduce the influence from environmental temperature changes.
 - ✓ Specially 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.
- **Pressure Resolution**
0.01 Pa (0.0001 mbar).
- **Material**
Ram/adapters: SST
Body: SST/aluminum
Seals: Buna-N
- **Connection**
Hand-tight connectors for both test gauge and reference gauge. Test Gauge Connection: 1/4"NPT female, 1/4"BSP female, M20X1.5 female
Reference Gauge Connection: 1/4"NPT female, 1/4"BSP female, 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 pc
- Manual 1 pc

Optional Accessories

Model number	Description
ADT 901-kit	Test kit for ADT 901 (hose barb fitting, hose, etc)
ADT 102	Adapters and fittings, 1/4"NPT male to various male and female connection (26 pc). More information shown on page 37.
ADT 103	Adapters and fittings, 1/4"NPT (1/4BSP, or M20X1.5) male to various female hand-tight quick connectors (10 pc). More information shown on page 37.
9901-901	Carrying Case for one ADT901 pump and two ADT681 gauges or ADT672 calibrators
ADT100-HTK-4	Hose Test Kit, 5 feet flexible hose, 8000 psi, 1/4NPT male to 1/4NPT female hand-tight quick connector.
ADT100-HTK-B	Hose Test Kit, 5 feet flexible hose, 8000 psi, 1/4NPT male to 1/4BSP female hand-tight quick connector.
Adapters	Choose connection fittings listed on page 37