

# ADT-901

## Low Pressure Test Pump

- 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 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 0.1 Pa (0.001 mbar). The ADT-901 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 ADT-901 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 ADT-901 is an ideal comparison test pump for low pressure applications.

### FEATURES

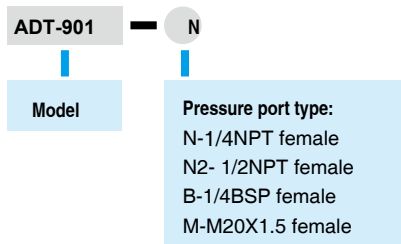
- **Portable:** Only 3.5 lb (1.6 kg)
- **Adjustment Resolution**  
0.1Pa (0.001 mbar); Specially designed screw press for fine pressure adjustment.
- **Great Stability**  
Isothermal chamber: the pressure chamber is insulated to reduce the influence from environmental temperature changes.  
Specially 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
- **Connection**  
Hand-tight connectors for both test gauge and reference gauge. Test Gauge Connection: 1/4NPT female, 1/4BSP female, or M20X1.5 female  
Reference Gauge Connection: 1/4NPT female, 1/4BSP 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

#### Optional Accessories

Model number	Description
ADT-901-kit	Test kit for ADT-901 (hose barb fitting, hose, etc)
ADT-901-HD	Holder for ADT-681 differential gauge or 672 differential calibrator.
ADT102	Adapters and fittings, 1/4NPT male to various male and female connection (25 pcs). More information shown on page 53.
ADT103	Adapters and fittings, 1/4NPT (1/4BSP, or M20X1.5) male to various female hand-tight quick connectors (10 pcs). More information shown on page 54.
ADT100-HTK	Hose test kit, 5 feet flexible hose, 15,000 psi, 1/4NPT male to 1/4NPT (1/8NPT, 1/2NPT, 1/4BSP, or M20X1.5) female hand-tight quick connector. More information shown on page 55.
9901-901	Carrying Case for one ADT-901 pump and two ADT681 gauges or ADT672 calibrators
ADT-901-MK	Maintenance kit for ADT-901 pump
9240	DP gauge holder, rubber