Additel 919A
High Pressure Test Pump

Metrology Made Simple

- Generate 95% vacuum to 2,000 psi (140 bar) pressure
- Generate 2,000 psi (140 bar) in 30 seconds
- Minimal maintenance
- Hand-tight quick connectors
- First one in the world



OVERVIEW

The 919A High Pressure Test Pump is a hand operated pressure pump designed to generate pressure from 95% vacuum to 2,000 psi (140 bar). With a long lever, it just takes 30 seconds to reach 2,000 psi (140 bar). A high-quality screw press is designed for fine pressure adjustment, with an adjustment resolution up to 0.001 psi (10 Pa , 0.1 mbar). A specially designed shut-off valve makes the pressure as stable as possible during calibration. A built-in gas-liquid isolator protects the pump from moisture and dirt to reduce the need for maintenance. The residual liquid in the pump introduced from the devices under test will be collected and then pushed out during pressure release. 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 919A is an ideal comparison test pump for pressure instruments calibration.

FEATURES

- **High Efficiency**
  Generate 2,000 psi (140 bar) in 30 seconds.
- **Adjustment Resolution**
  0.001 psi (10 Pa , 0.1 mbar).
  High-quality screw press for fine pressure adjustment.
- **Great Stability**
  A specially designed shut-off valve makes the pressure as stable as possible during calibration.
- **Durable and Minimal Maintenance**
  Built-in gas-liquid isolator protects the pump from moisture and dirt.
  The residual liquid in the pump introduced from devices under test will be collected and then pushed out and collected during pressure release.
  Anticorrosive and wear resistant material are used to improve the reliability further.
- **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 2,000 psi (140 bar) positive pressure
- **Adjustment Resolution:** 10 Pa (0.1 mbar/0.0015 psi)
- **Material:** Ram/adapters: SS
  Body: SS, aluminum
  Seals: Buna-N, PTFE, Copper Alloy
- **Piston volume:** 60 ml (3.7 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: 7.00" (178 mm);
  Base: 21.26' (540 mm) x 10.63" (270 mm).
- **Weight:** 14.3 lb (6.5 kg).
- **Warranty:** 1 year

ORDERING INFORMATION

- **Model Number**

ADT919A — 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 (919A-X-SET models only)

- **Optional Accessories**

Model number	*Description*
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.
9909-919	Carrying Case for one 919A pump and two 681 gauges or 672 calibrators
ADT919A-MK	Maintenance kit for Additel 919A pump

Note: For oil free applications contact Additel.

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