



Additel 946

Hydraulic High Pressure Calibration Pump

- **Pressureize large-volume workload**
- **Generate pressure to 15,000 psi (1,000 bar)**
- **Increase and decrease pressure smoothly**
- **Three pressure ports**
- **Hand-tight quick connectors**



OVERVIEW

The new Additel 946 Hydraulic Pressure Test Pump is a benchtop pressure pump designed to generate pressure to 15,000 psi (1,000 bar). This pump incorporates a dual-piston system which is ideal for filling large volume workload with the hand pump and providing smooth increase and decrease of pressure with the high pressure, fine adjust screw press. The 946 test pump incorporates an isolation valve which isolates the calibration volume from the check valve associated with the hand pump. Because the check valve can often be a source of leaks and maintenance, the isolation valve provides more stable measurements and reduces potential maintenance of the pump. Three 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 Additel 946 is an ideal comparison test pump for calibrating pressure measuring instruments such as test gauges, indicators or transducers.

FEATURES

- **Hand pump to fill large volume systems**
- **Durable and Minimal Maintenance**
Isolation valve provides stable pressures while reducing maintenance on the hand pump check valve.
- **Easy-to-use**
15,000 psi (1,000 bar) can be generated easily with the dual-piston system.
- **Three hand-tight quick connectors**
Allows easy connection and disconnection to the test pump without the need for PTFE tape or wrenches.

SPECIFICATIONS

- **Media:** Mineral oil or deionized water. (Oil is default media liquid. Pump with water as media to be ordered specifically)
- **Generated Pressure Range**
0 to 15,000 psi (1,000bar) gauge pressure
- **Material**
Ram/adapters: SS
Body: SS, aluminum, Copper
Seals: Buna-N
- **Connection**
Hand-tight connectors for both test gauge and reference gauge
- **Dimensions:** Height: 6.9" (175 mm)
Base: 17.9" (455 mm) x 15.0" (380 mm)
- **Weight:** 28.7 lb (13 kg).
- **Warranty:** 1 year
- **Piston volume**
Fine adjust piston: 1.5ml (0.09 in³)

ORDERING INFORMATION

Model Number

ADT946	N
Model	Pressure port type: N - 1/4NPT female N2 - 1/2NPT female B - 1/4BSP female B2 - 1/2BSP female M - M20X1.5 female

Accessories included

Mineral oil, 1 bottle (250 ml)*

O-ring: 20 pcs

Manual: 1 pc

*When water media is not requested

Optional Accessories

Model number	Description
9202	Oil, Mineral oil, 1 liter (1 quart)
ADT102	Adapters and fittings, 1/4HP male to various male and female connectors (25 pcs). More information shown on page 61.
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 62.
ADT-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 63.
ADT946-MK	Maintenance kit for Additel 946 pump
ADT100-946-HK	Hose Kit, External Reservoir Expansion Hose Kit for ADT946