

# 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

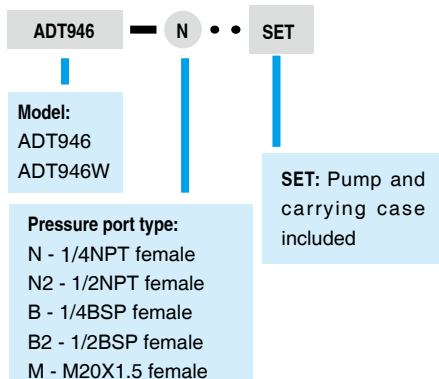
- **Hand pump to fill large volume systems**
- **Durable and Minimal Maintenance**  
Isolation valve provides stable pressures while reducing maintenance on the hand pump check valve.
- **Easy-to-use**  
15,000 psi (1,000 bar) can be generated easily with the dual-piston system.
- **Three hand-tight 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 as ADT946W. Pump stability is best when used with oil. Performance may decrease when used with water as the media.)
- **Reservoir capacity:** 420 ml (25.6 in<sup>3</sup>)
- **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(s)  
1/4NPT female, 1/2NPT female, 1/4BSP female, 1/2BSP female, or M20X1.5 female
- **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 in<sup>3</sup>)

### ORDERING INFORMATION

#### Model Number



#### Accessories included

- Mineral oil, 1 bottle (250 ml)\*
- O-ring: 20 pcs
- Manual: 1 pc
- Carrying case (946-X-SET models only)

\* 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).  |
| ADT103        | Adapters and fittings, 1/4NPT (1/4BSP, or M20X1.5) male to various female hand-tight quick connectors (10 pcs).                                |
| 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. |
| ADT946-MK     | Maintenance kit for Additel 946 pump   |
| ADT100-946-HK | Hose Kit, External Reservoir Expansion Hose Kit for ADT946   |
| 9910          | Carrying case for Additel 946, or Additel 959  |