# Additel 949
# Hydraulic Ultra-high Pressure Test Pump

- Generate 85% vacuum to 40,000 psi (2,800 bar) pressure
- Minimal maintenance
- Easy-to-use
- Three pressure ports



## OVERVIEW

The 949 Hydraulic Ultra-high Pressure Test Pump is a hand operated pressure pump designed to generate pressure up to 40,000 psi (2800 bar). With the patented screw press technology, high pressures can be easily generated, increased and decreased smoothly. A specially designed shut-off valve makes the pressure as stable as possible during calibration. With no non-returning valve, the 949 avoids the troublesome leakage issues that is usually experienced with hand pumps and allows for minimal maintenance. The 949 is an ideal comparison test pump for calibrating ultra-high pressure measuring instruments such as test gauges, indicators or transducers in the laboratory.

## FEATURES

- **Generate Ultra-high Pressure**
  Generate pressure up to 40,000 psi (2,800 bar)
- **Durable and Minimal Maintenance**
  Patented screw press technology, without non-returning valve inside that is usually used on troublesome hand pumps.
- **Easy-to-use**
  With the patented screw press technology, high pressures can be generated easily, as well as increased and decreased smoothly.
- **Extremely Low Leakage**
  Patented screw press technology replaces troublesome, check valves (non-returning valve) found in most hand pumps which practically eliminates leakage.

## SPECIFICATIONS

- **Media:** Diethylhexyl Sebacate
- **Pressure Range**
  85% vacuum to 40,000psi (2,800bar) positive pressure.
- **Material**
  Ram/adapters: SS
  Body: SS, aluminum
  Seals: Buna-N, PTFE, Copper Alloy
- **Reservoir capacity:** 420 ml (25.6 $in^3$)
- **Connection**
  Test Gauge Connection: Positional Autoclave F-250-C, 9/16" - 18 UNF female
  Reference Gauge Connection: Positional Autoclave F-250-C, 9/16" - 18 UNF female
  1/2BSP female and M20X1.5 female connections are available upon request.
- **Dimensions:** Height: 9.1" (230 mm)
  Base: 20.5" (520 mm) x 14.2" (360 mm)
- **Weight:** 35.2 lb (16 kg).
- **Warranty:** 1 year
- **Piston volume**
  Low pressure piston: 30 ml (1.8 $in^3$)
  High pressure piston: 2.5 ml (0.15 $in^3$)

## ORDERING INFORMATION

- **Model Number**

ADT949 — AF • • SET

ADT949: **Model**

AF: **Pressure port type:**
AF-Autoclave F-250-C female
B2-1/2BSP female
X-Customize
M-M20X1.5 female

SET: **SET:** Pump and carrying case included

- **Accessories included**
  Diethylhexyl Sebacate: 1 bottle (250 ml)
  Manual: 1 pc
  Carrying case (949-X-SET models only)
- **Optional Accessories**

| *Model number* | *Description* |
|---|---|
| 9202 | Diethylhexyl Sebacate, 1 liter (1 quart) |
| ADT104 | Adapters and fittings, 1/4HP male to various male and female connectors (17 pcs). |
| 9908 | Carrying case for 936, 937, 938 or 949. |
| ADT949-MK | Maintenance kit for Additel 949 pump |

**Phone: 714-998-6899 Fax: 714-998-6999 Email: sales@additel.com**

**Corporate Headquarters**
2900 Saturn St #B
Brea, CA 92821, USA

**Salt Lake City Office**
1364 West State Rd. Suite 101
Pleasant Grove, UT 84062, USA