Additel 938
Hydraulic High Pressure Calibration Pump

- Generate 85% vacuum to 15,000 psi (1,000 bar) pressure
- Oil-free pressure instruments
- Minimal maintenance
- Easy-to-use
- Three pressure ports
- Hand-tight quick connectors



OVERVIEW

The 938 Hydraulic High Pressure Test Pump is specially designed for calibrating oil-free pressure measuring instruments in the range of 85% vacuum to 15,000 psi (1,000 bar). All parts used in the pump have been carefully cleaned to remove oil. The pump uses water as the media. With the patented screw press technology, high pressures can be easily generated, as well as increased and decreased smoothly. A specially designed shut-off valve makes the pressure as stable as possible during calibration. With no check valve (non-returning valve), the 938 avoids the troublesome leakage issues that is usually experienced with hand pumps and allows for minimal maintenance. Three 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 938 is an ideal comparison test pump for calibrating oil-free pressure measuring instruments such as test gauges, indicators or transducers in the laboratory.

FEATURES

- **High Pressure**
  Generates pressure up to 15,000 psi (1,000 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) in most hand pumps which practically eliminates leakage.
- **Hand-tight Quick Connectors**
  Allows easy connecting and disconnecting to the test pump without the need for PTFE tape or wrenches.

SPECIFICATIONS

- **Media:** Deionized water
- **Reservoir capacity:** 420 ml (25.6 in^3)
- **Pressure Range**
  85% vacuum to 15,000 psi (1,000 bar) positive pressure.
- **Material**
  Ram/adapters: SS
  Body: SS, aluminum
  Seals: Buna-N, PTFE, Copper Alloy
- **Reservoir capacity:** 420 ml (25.6 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: 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**

ADT938 — 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 (938-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).
9908	Carrying case for 936, 937, 938 or 949.
ADT938-MK	Maintenance kit for Additel 938 pump

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