Additel 937
Hydraulic High Pressure Calibration Pump

- Generate 85% vacuum to 15,000 psi (1,000 bar) pressure
- Compatible to phosphoric acid ester fluid and Skydrol Oil
- Increase and decrease pressure smoothly
- Three pressure ports
- Hand-tight quick connectors



OVERVIEW

The 937 Hydraulic High Pressure Calibration Pump is a hand operated pressure pump designed for calibrating pressure measuring instruments with phosphoric acid ester fluid and Skydrol oil in the range from 85% vacuum to 15,000 psi (1000 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 check valve (non-returning valve), the 937 avoids the troublesome leakage issues that is usually experienced with hand pumps and allows for minimal maintenance. 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 937 is an ideal comparison test pump for calibrating 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, with no check valve (non-returning valve) inside that is usually used on troublesome hand pumps causing leakage.
- **Easy-to-use**
  High pressures can be generated easily, as well as increased and decreased smoothly.
- **Hand-tight Quick Connectors**
  Allows easy connecting and disconnecting to the test pump without the need for PTFE tape or wrenches.

SPECIFICATIONS

- **Media:** Compatible to phosphoric acid ester fluid and Skydrol Oil (should not be used for mineral oil)
- **Reservoir capacity:** 420 ml (25.6 in^3)
- **Pressure Range**
  85% vacuum to 15,000 psi (1,000 bar) positive.
- **Material:** Ram/adapters: SS
  Body: SS, aluminum
  Seals: EPDM, PTFE, Copper Alloy
- **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: 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**

ADT937 — 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 (937-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.
ADT937-MK	Maintenance kit for Additel 937 pump

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