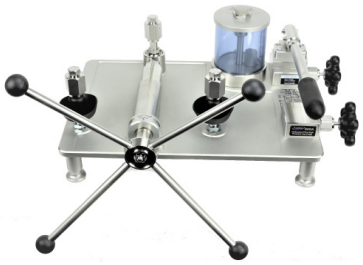
Additel 959A
Hydraulic Ultra-high Pressure Test Pump

- **Pressurize large-volume workload**
- **Generate pressure to 40,000 psi (2,800 bar)**
- **Increase and decrease pressure smoothly**
- **Three pressure ports**

Additel
Metrology Made Simple



OVERVIEW

The new Additel 959A Hydraulic Pressure Test Pump is a benchtop pressure pump designed to generate pressure to 40,000 psi (2,800 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 959A 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. The Additel 959 is an ideal comparison test pump for calibrating pressure measuring instruments such as test gauges, indicators or transducers.

FEATURES

- **Generate Ultra-high Pressure**
  Generate pressure up to 40,000 psi (2,800 bar)
- **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**
  40,000 psi (2,800 bar) can be generated easily with the dual-piston system

SPECIFICATIONS

- **Media:** Diethylhexyl Sebacate
- **Pressure Range**
  0 to 40,000 psi (2,800 bar) gauge pressure.
- **Material**
  Ram/adapters: SS
  Body: SS, aluminum, Copper
  Seals: Buna-N, PTFE, Copper Alloy, Aluminum Alloy
- **Reservoir capacity:** 420 ml (25.6 in^3)
- **Connection**
  Test Gauge Connection: Autoclave F-250-C, 9/16" - 18 UNF female
  Reference Gauge Connection: Autoclave F-250-C, 9/16" - 18 UNF female
  1/2BSP female and M20X1.5 female connections are available upon request
- **Dimensions:** Height: 6.9" (175 mm)
  Base: 17.9" (455 mm) x 15.0" (380 mm)
- **Weight:** 28.7 lb (13 kg).
- **Volume Per Stroke:** 3.72 ml
- **Piston volume:** Fine adjust piston: 1.5 ml (0.09 in^3)
- **Warranty:** 1 year

ORDERING INFORMATION

- **Model Number**

ADT959A — AF • • SET

- ADT959A: **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 (959-X-SET models only)
- **Optional Accessories**

Model number	*Description*
9201	Diethylhexyl Sebacate, 1 liter (1 quart)
ADT104	Adapters and fittings, 1/4HP male to various male and female connectors (17 pcs). More information shown on page 72.
ADT959-MK	Maintenance kit for Additel 959A pump
ADT100-959-HK	Hose Kit, External Reservoir Expansion Hose Kit for ADT959A
9910	Carrying case for Additel 946A, Additel 959A or Additel 960

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