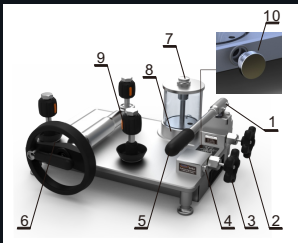
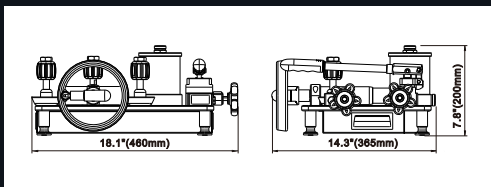
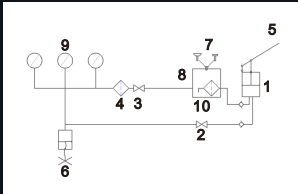


Views and Hydraulic Schematic



- 1 - Pre-pressure Pump
- 2 - Isolation Valve
- 3 - Vent Valve
- 4 - Filter
- 5 - Pre-pressure pump handle
- 6 - High-pressure and fine adjustment handle
- 7 - Reservoir cover vent valve
- 8 - Reservoir
- 9 - Quick connector
- 10 - Liquid drain valve



Warnings and cautions

- > Operate the pump in the rated pressure range of 15,000 psi (1,000 bar) and do not exceed the safety pressure of 18,000 psi (1,200 bar).
- > Close all valves and handles and tighten the ports when transporting the pump.
- > Always keep the reservoir cover vent valve(#7)open during operation.
- > Change media immediately if it is contaminated.
- > Keep media level between 1/4 and 3/4 of the liquid reservoir filled.
- > Keep the connection threads clean and remove any particles or dirt on the threads.
- > Do not over tighten the valves, connectors and handles to avoid damage.
- > Do not use the pre-pressure pump to generate more than 8,700 psi (600 bar)
- > Additel is not liable for any safety problems or damages caused by misuse or incorrect operation.

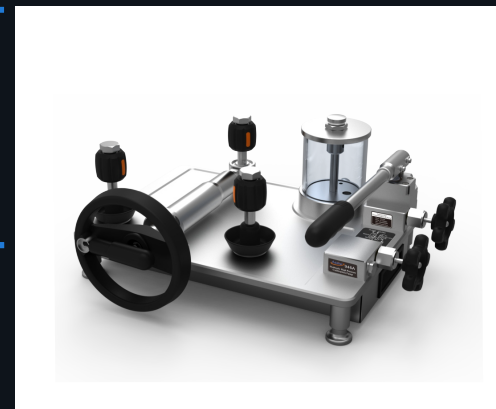
Specification

- > **Pressure range:** 0 to 15,000 psi (1,000 bar) positive pressure
- > **Temperature:** (5 ~ 50) °C **Storage temperature:** (-25 ~ 70) °C
- > **Humidity range:** < 95%
- > **Adjustment resolution:** 0.015 psi (1 mbar)
- > **Safety pressure:** < 18,000 psi (1,200 bar)
- > **Pressure media:** Mineral oil or deionized water
- > **Reservoir capacity:** 420 ml (25.6 in³)
- > **Size:** Height: 7.8" (200 mm) Base: 18.1" (460 mm) x 14.3" (365 mm)
- > **Weight:** 26.5 lb (12 kg)
- > **Material:** SS, aluminum, copper, Buna-N

Remark : Please drain the liquid in transportation.

Troubleshooting

Problem	Cause	Solution
Can not to generate pressure with the pre-pressure pump lever (#5)	Vent valve(#3) is open	Close Vent valve(#3)
	O-ring is broken	Replace O-ring
Hard to generate pressure with the pre-pressure pump lever (#5)	Not enough media is in the reservoir.	Fill more media
	Isolation valve(#2) is closed	Open the isolation valve(#2)
	Lever raised too high when above 2,900 psi	Lift the lever in small angle
Hard to turn the Valves or handles	Pre-pressure pump max pressure of 8,700 psi (600 bar) is reached	Use High-pressure handle(#6)
	Too much power used in last operation	Close vent valve smoothly
	Hard to close Isolation valve in high pressure	Use more force
	Hard to turn the High-pressure Handle(#6)	Use more force
	Not enough lubrication on screw thread	Apply more lubrication



Additel 946A

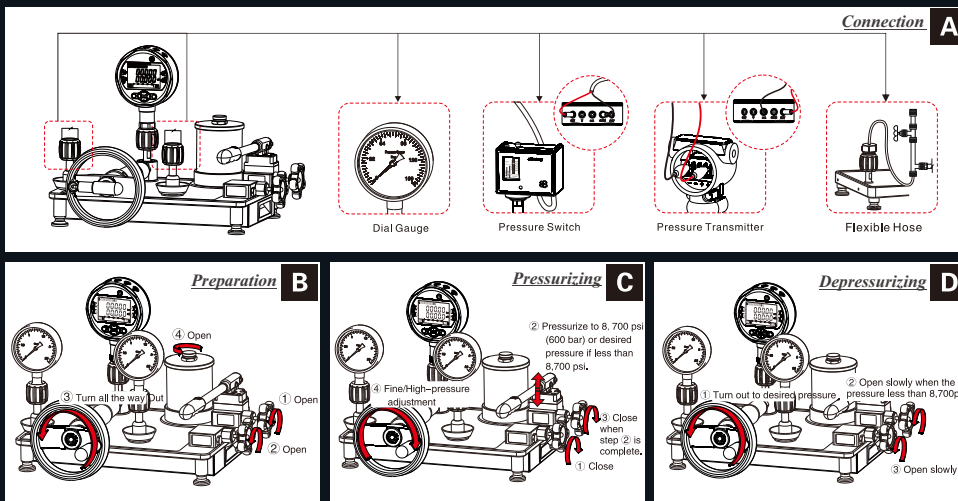
Hydraulic High Pressure Calibration Pump User's Manual

[Version number:1811V03]

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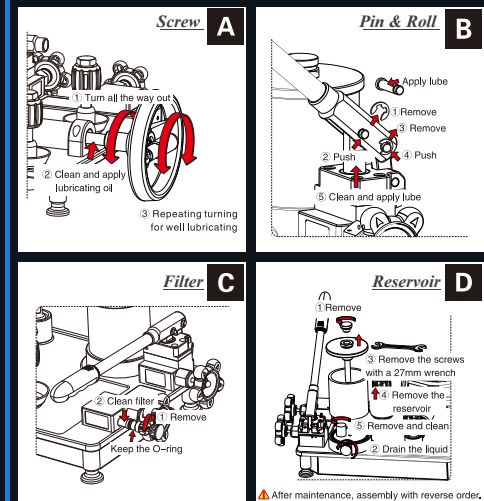
Basic Operation



Remark:

A: Additel has made a concerted effort to provide complete and current information for the proper use of the equipment. The product specifications and other information contained this manual are subject to change without notice.
B: Above pictures are just for reference.

Maintenance



Additel Corporation, USA
www.additel.com

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