

Warnings and cautions

- > Low pressure gauges can very easily be over pressured if not careful. Please take caution when applying pressures.
- Do not exceed the safety pressure limit 90 psi (6 bar).
- > This test pump is not designed to be used in explosive or corrosive environments.
- Do not switch between pressure and vacuum mode under pressure.
- Over tightening connectors may cause damage.
- > Store the pump in the dry and non-corrosive environments.
- > Additel is not liable for any safety problems or damages caused by misuse or incorrect operation.
- > All moisture and contaminants should be cleaned out of the liquid isolator before creating a vacuum. This is accomplished by venting the pump when at high pressure.
- > For the least risk in contamination of the reference gauge, the DUT should be installed to the pressure port which is closest to the vent valve.

Specification

> Pressure range: 95% vacuum to 60 psi (4 bar)

> Temperature: 0~50 ℃ > Humidity: < 95%RH

> Pressure Resolution: 0.1 Pa (0.001 mbar)

> Safety pressure: < 90 psi (6 bar)

> Pressure media: Air

> **Size:** Height: 5.51" (140 mm);

Base: 10.75" (273 mm) x 10.16" (258 mm)

Weight: 6.2 lb (2.8 kg)

ADT912

Low Pressure Test Pump User's Manual

[Version number:1409V13]

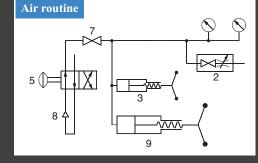
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Configuration & Air routine



- 1 Quick connector
- 2 Vent valve (clockwise to close/ counterclockwise to open)
- Fine adjust handle (clockwise to increase pressure)
- Quick connector
- Pressure/vacuum (P/V) selector (Positive pressure: pull it out; Vacuum: push it in)
- Safety bolt pin (use it to ensure safety)
- Isolation valve (isolates the calibration volumn from pressurizing system)
- Hand pump
- Main adjust handle (clockwise to increase pressure)

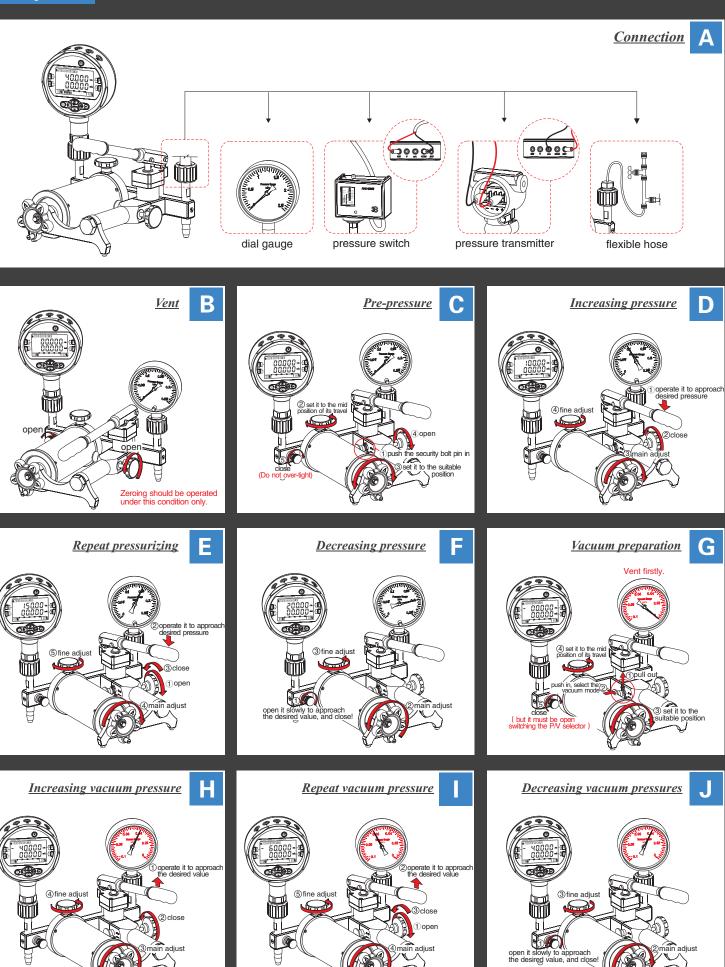


Troubleshooting

| Problem | Cause | Solution |
|---|---|--|
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| Hand pump will not generate pressure | The isolation valve is not open. | Open the isolation valve. |
| It is difficult to increase pressure | A. Release valve is not closed. | Close the release valve. |
| | B. The O-ring seal is loose or damaged. | Replace the O-ring seal. |
| | C. P/V selector is in the wrong position. | Pressure: pull the P/V selector out; Vacuum: push the P/V selector in. |
| Hard to use fine adjustment handle | A. The isolation valve is not closed. | Close the isolation valve. |
| | B. The gauges are not tightened. | Tighten the reference gauge or the gauge under test. |
| | C. The O-ring seal is damaged. | Replace the O-ring seal. |
| | D. The thread surface is not smooth. | Use Teflon tape on the thread and turn it in tight. |
| | E. The connector type is mismatched to the gauge pressure port. | Use the correct adapter. |
| | F. Dust or contaminants are blocking the | Repeat pressurizing the pump several times and then suddenly vent |
| | pressure flow. | it which will push any contaminants out. |
| It is difficult to turn the quick connector | A. Too much force was previously applied. | Secure the quick connection with less force. |
| | B. The threads have no lubrication. | Apply lubrication to the threads. |

O-Rings for pressure connector

| P/N | Size | Connector | |
|------------|-------|---------------------------------|--|
| 1611300004 | 4X1.5 | M10X1, 1/8BSP, 1/8NPT | |
| 1611300220 | 6.5X3 | M20X1.5, 1/2BSP, 1/2NPT | |
| 1611300024 | 6X2 | M14X1.5, 1/4BSP, 1/4NPT, 3/8BSP | |



Remark: A: Addited 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.