

A Directions for Use

1. Verify that the **Needle** is set to zero. Re-zero if necessary. (see panel B below)
2. Attach a length of **Small Bore Tubing** to **Vacuum/Pressure Gauge** either directly to **Small Bore Tubing Connection** (Fig. 4) or to **1/4" NPT Connection** using a **BE 148-1 Gauge Adapter***. (see panel E for instructions) (Fig. 5)
3. Connect the **Other End of Tubing** to **Pressure Adapter**. (Fig. 4, Fig. 5)
4. Gauge will provide vacuum/pressure reading.

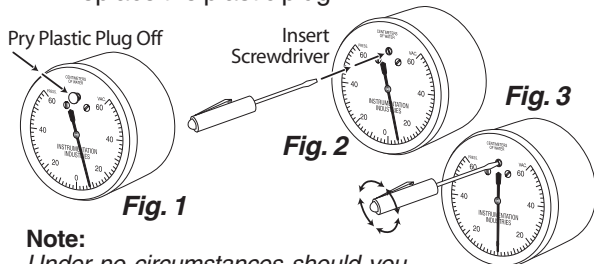
Note: Do not exceed the maximum recording pressure as shown on the gauge. For example, if the gauge's maximum pressure is 30 cm H₂O and the incoming pressure is 60 cm H₂O, the maximum pressure has been exceeded. This may destroy the internal workings of the gauge.

*BE 148-1 Gauge Adapter is available from Instrumentation Industries, Inc. —www.iiimedical.com

B How to "Re-Zero" a Vacuum/Pressure Gauge

If the **Needle** has moved away from zero, it can be re-zeroed.

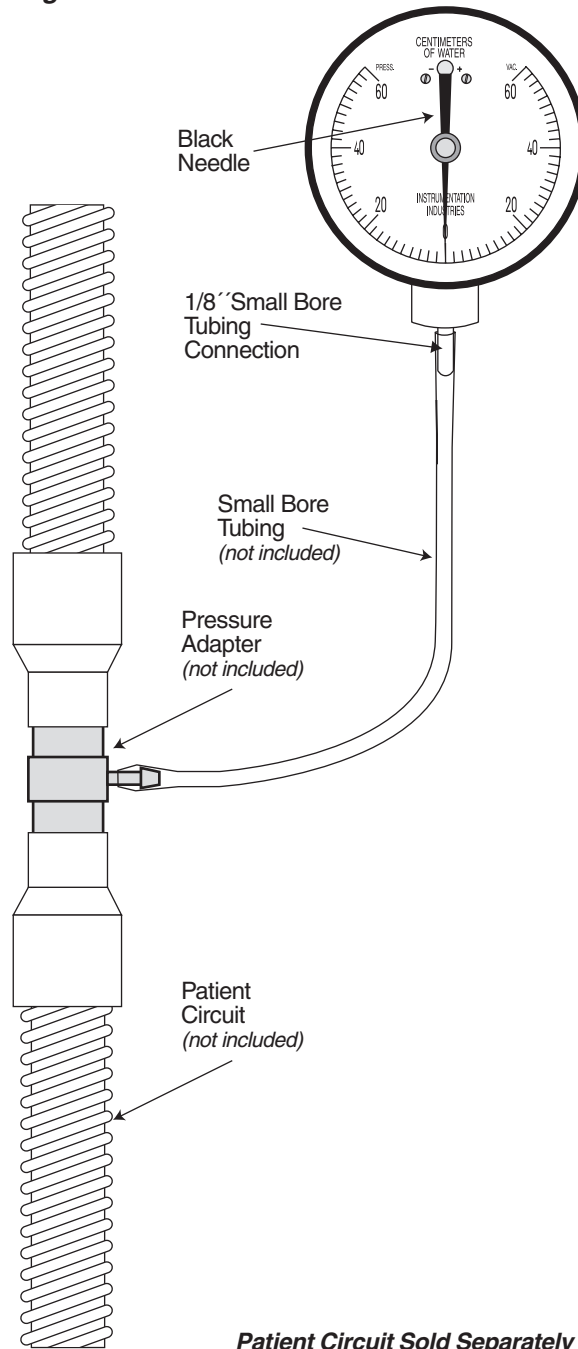
1. Carefully pry out **Plastic Plug** from the crystal. (Fig 1)
2. Insert a screwdriver blade into the set screw located at the 12:00 position. (Fig 2)
3. Turn the screw in the direction that allows the **Needle** to move the shortest distance back to zero. (Fig. 3)
4. Replace the plastic plug.



Note: Under no circumstances should you attempt to move the **Needle** more than 180°. The internal workings of the gauge may be destroyed.

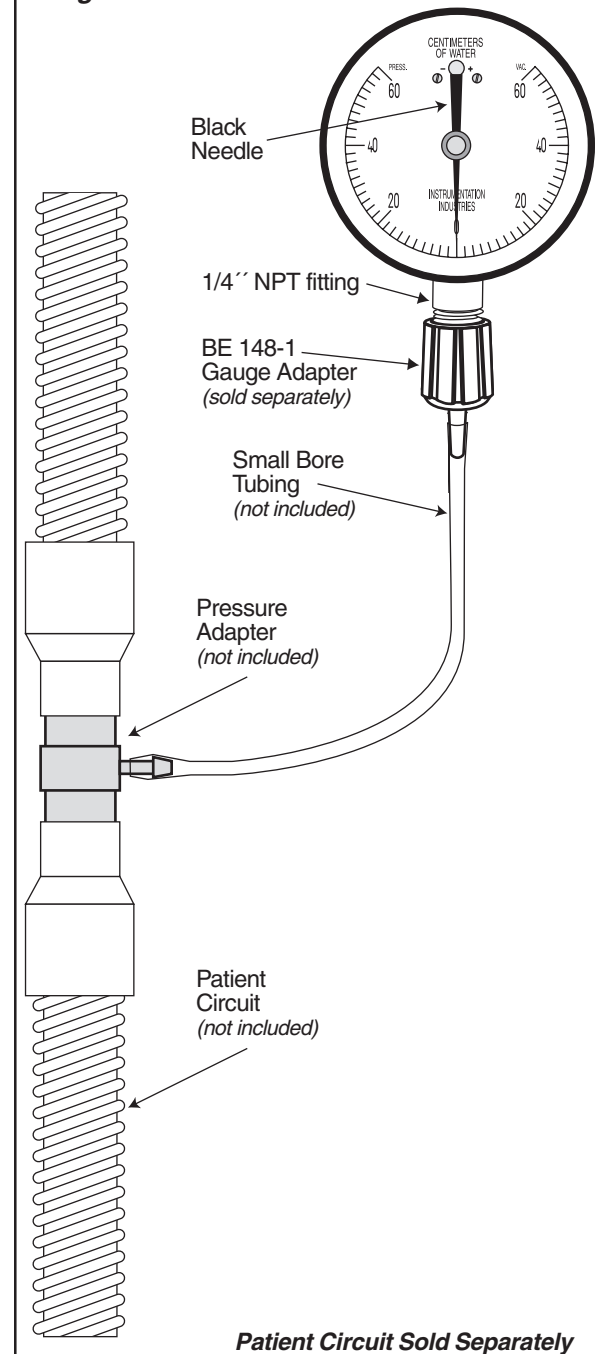
C Directions for: NS 30-PBS — NS 60-PBS

Fig. 4



D Directions for: NS 30-TRS — NS 60-TBS NS 60-TRS — NS 120-TRS

Fig. 5



E 1/4" NPT Gauge Installation Directions

Handle the gauge with care. Dropping or jarring the gauge will damage it.

1. Prior to installation, **at least two layers of teflon tape MUST** be applied to threads. (Fig. 6)
2. **HANDTIGHTEN** gauge into position.
3. Place a wrench on the square fitting next to the gauge case to finish tightening. (Fig. 7)

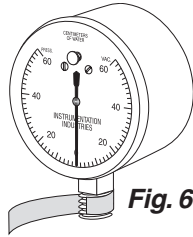


Fig. 6

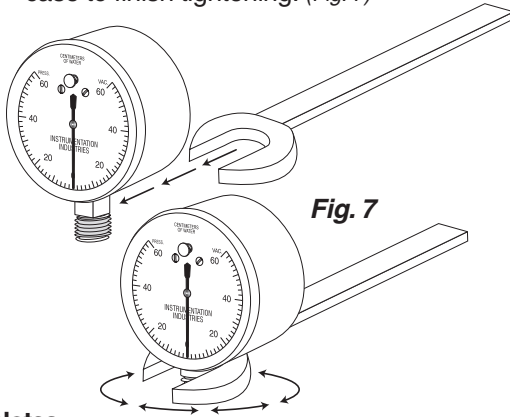


Fig. 7







Notes:

- **ALWAYS** use a wrench to tighten a **Vacuum/Pressure Gauge** with a 1/4" NPT fitting into position.
- **NEVER** apply force on the gauge case to tighten into position.
- **DO NOT** overtighten fitting into **Plastic Adapters!**

F Cleaning Recommendations

1. **DO NOT** immerse gauge in any liquid.
2. **Gauge Case Cleaning**
Wipe exterior of the gauge case with bactericidal or virucidal wipe.
3. **Gauge Crystal Cleaning**
DO NOT use alcohol or a solution containing phenols on crystal. Gently wipe crystal with bactericidal or virucidal wipe.

G Product Specifications

		
NS 30-PBS	NS 30-TRS	NS 60-PBS
30cm H ₂ O Vacuum/Pressure Gauge	30cm H ₂ O Vacuum/Pressure Gauge	60cm H ₂ O Vacuum/Pressure Gauge
Bottom 1/8" small bore tubing connection	Rear 1/4" NPT connection	Bottom 1/8" small bore tubing connection
Marks: Reads ± 30cm H ₂ O in 1 cm markings	Marks: Reads ± 30cm H ₂ O in 1 cm markings	Marks: Reads ± 60cm H ₂ O in 2 cm markings
Packaged: Individually	Packaged: Individually	Packaged: Individually
		
NS 60-TBS	NS 60-TRS	NS 120-TRS
60cm H ₂ O Vacuum/Pressure Gauge	60cm H ₂ O Vacuum/Pressure Gauge	120cm H ₂ O Vacuum/Pressure Gauge
Bottom 1/4" NPT connection	Rear 1/4" NPT connection	Rear 1/4" NPT connection
Marks: Reads ± 60cm H ₂ O in 2 cm markings	Marks: Reads ± 60cm H ₂ O in 2 cm markings	Marks: Reads ± 120cm H ₂ O in 4 cm markings
Packaged: Individually	Packaged: Individually	Packaged: Individually
Available: NS-SC - Smooth Crystal Replacement for all NS Series Vacuum/Pressure Gauges.		

Caution: Federal law restricts this device to sale by or on the order of a physician.



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Vacuum/Pressure Gauges

Installation & Usage Directions

NS 30-PBS
NS 30-TRS
NS 60-PBS
NS 60-TBS
NS 60-TRS
NS 120-TRS



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