

H 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. (Figure 5)
2. HAND TIGHTEN gauge into position.
3. Place a wrench on the square fitting next to the gauge case to finish tightening. (Figure 6)

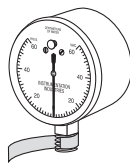


Figure 5

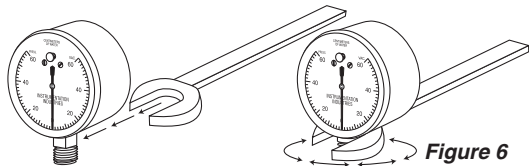


Figure 6

Notes:

- ALWAYS use a wrench to tighten a 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!

I 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. (Figure 7)
2. Insert a small Flathead Screwdriver Blade into the set screw located at the 12 o'clock position. (Figure 8)
3. Turn the Screw in the direction that allows the Needle to move the shortest distance back to zero. (Figure 9)
4. Replace the Plastic Plug.

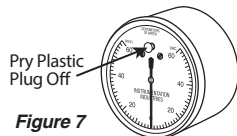


Figure 7

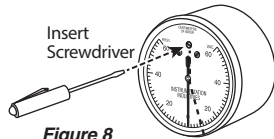


Figure 8

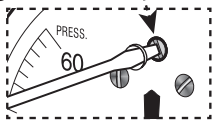


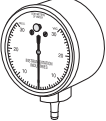




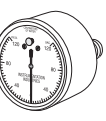
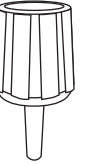
Figure 9

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

J 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.

K 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
Connection: Bottom 1/8" small bore tubing connection	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
Connection: Bottom 1/4" NPT	Connection: Rear 1/4" NPT	Connection: Rear 1/4" NPT
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.		
	BE 148-1 (Not Included. Available from iiimedical.com)	
	Gauge Adapter	
	Adapts: 1/4" NPT (National Pipe Thread) connection to 1/8" tubing connection	
	Material: Polycarbonate	
	Packaged: Individually	



Visit iiimedical.com/symbols.pdf or the Glossary of Symbols used in Instrumentation Industries, Inc. labeling.



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Instrumentation Industries, Inc.

Vacuum/Pressure Gauges

Installation & Usage Directions

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



NS 60-PBS
Vacuum/Pressure
Gauge Shown

Reusable

- Not made with Natural Rubber Latex
- Not made with Di(2-ethylhexyl) phthalate (DEHP)

These user instructions are available in Canadian French at iiimedical.com

Ces instructions d'utilisation sont disponibles en français canadien à iiimedical.com



A Indications for Use

The Instrumentation Industries, Inc. NS Series Airway Pressure Monitors are devices used to monitor patient airway pressure during ventilation within a breathing circuit. The pressure gauge is placed in the patient circuit at a point that provides optimal airway pressure readings.

B Contraindications

None known.

C Notes

Note 1:

Do not exceed the maximum pressure reading as shown on the gauge. If the maximum pressure is exceeded, this may destroy the internal workings of the gauge.

Note 2:

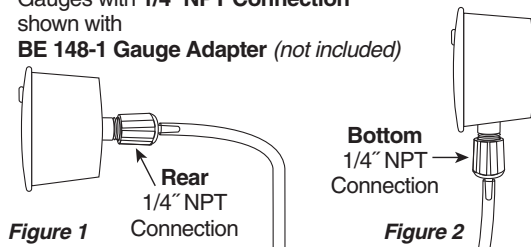
Do not use a contaminated gauge on a second patient. A remote connection (*Panel F — Figure 3, or Panel G — Figure 4*), a filter, or a one-way valve installed per facility guidelines may be added to the setup to reduce the possibility of internal contamination.

D Directions for Use

1. Verify that the **Needle** is set to zero. Re-zero if necessary. (*see Panel I on the other side of this sheet*)
- 2a. If **Vacuum/Pressure Gauge** has a **1/8" Small Bore Tubing** connection, attach a length of **Small Bore Tubing** directly to **1/8" Small Bore Tubing** connection. (*Panel F, Figure 3*)
- 2b. If **Vacuum/Pressure Gauge** has a **Bottom or Rear 1/4" NPT** connection, apply **Teflon Tape** to **Threads** and install **BE 148-1 Gauge Adapter*** (*not included, see Panel H on the other side of this sheet.*). Attach a length of **Small Bore Tubing** directly to **Small Bore Tubing** connection of **BE 148-1 Gauge Adapter**. (*Panel G, Figure 4*)
3. Connect the Other End of **Small Bore Tubing** to **Pressure Adapter**. (*Panel F — Figure 3 or Panel G — Figure 4*)
4. Gauge will provide pressure reading.

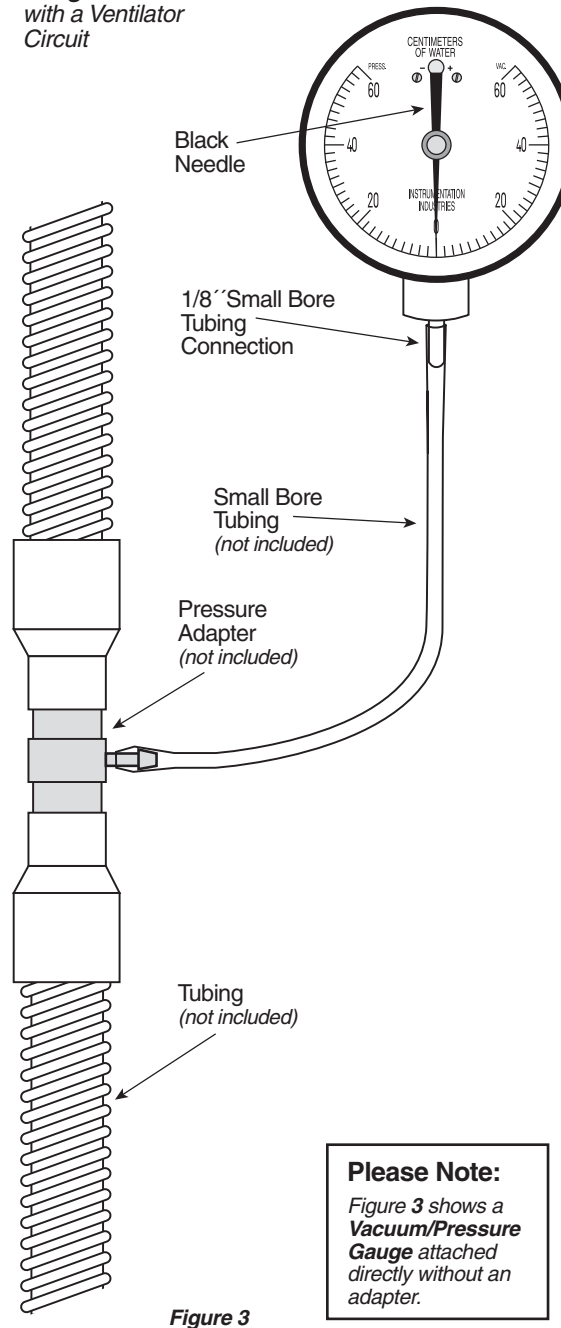
E 1/4" NPT Connection Diagram

Gauges with **1/4" NPT** Connection shown with **BE 148-1 Gauge Adapter** (*not included*)



F NS Series Vacuum/Pressure Gauges with 1/8" Small Bore Tubing Connection

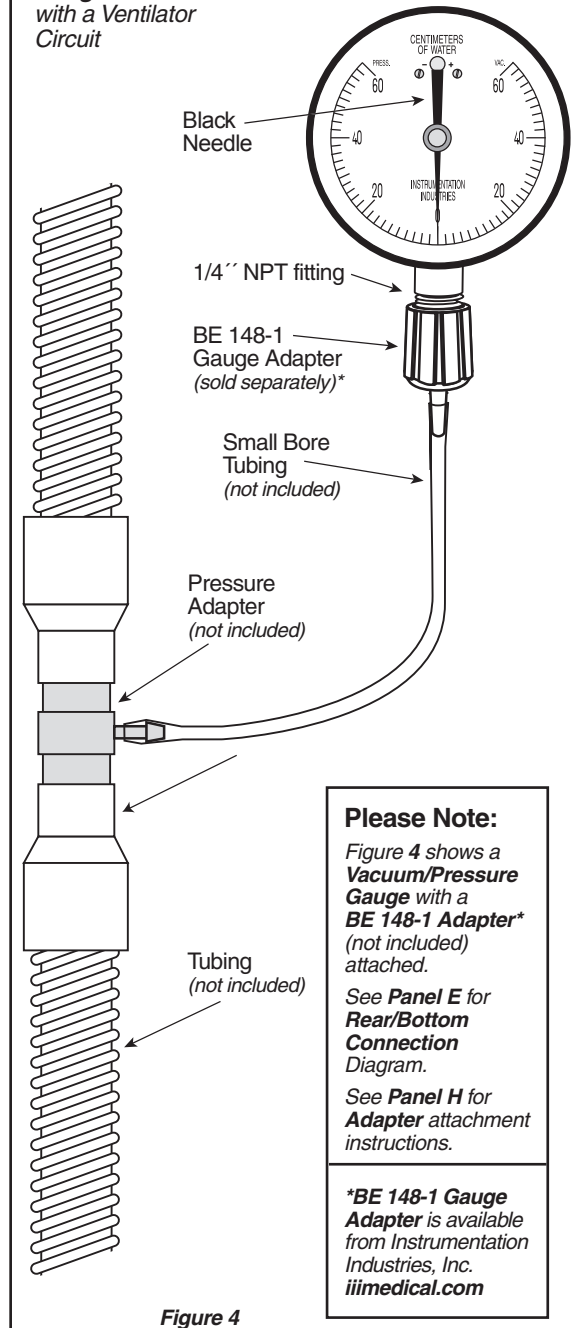
Vacuum/Pressure Gauge used Inline with a Ventilator Circuit



Please Note:
Figure 3 shows a **Vacuum/Pressure Gauge** attached directly without an adapter.

G NS Series Vacuum/Pressure Gauges with 1/4" NPT Connection

Vacuum/Pressure Gauge used Inline with a Ventilator Circuit



Please Note:
Figure 4 shows a **Vacuum/Pressure Gauge** with a **BE 148-1 Adapter*** (*not included*) attached.
See **Panel E** for **Rear/Bottom Connection** Diagram.
See **Panel H** for **Adapter** attachment instructions.

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