

# G-150 Tube Testing Guns

## Quickly Pressure Test Heat Exchanger Tubes

### Description

G-Series Tube Testing Guns provide a safe, economical way to test for leaks in heat exchanger tubes.

- Uses readily available shop air pressure to conduct reliable testing of tubes
- G-150 Tube Testing Guns are designed for use in Tube ID ranges from 0.28" to 1.23" (7.1 mm to 31.2 mm).
- G-150A Tube Testing Guns are designed for use in Tube ID ranges from 1.24" to 2.53" (31.5 mm to 64.3 mm).

### Basic Operations

- Guns are placed in each end of tube
- The injection gun activates, expanding its seal and sending air down the tube, activating the seal of the plugging gun
- If gage shows reduction in PsiG (BarG), tube is leaking



### Features and Benefits

- G-150 Series Tube Testing Guns use interchangeable seal and washer sets
- Testing guns are lightweight, weighing less than 2.4 lbs (1.1 kg) each
- Tests for leaking tubes use standard plant air supplies from 40 to 125 PsiG (2.7 to 8.5 BarG)
- Optional digital gage available, increases sensitivity to find small leaks faster
- Quality assurance system certified to ISO-9001
- Quality assurance system that meets requirements of ANSI N45.2

### Specs/Materials

- Standard material for seals is neoprene. Viton® seals available upon request.

### FAQ

**Q Why should I use air pressure to test for leaks?**

A Pneumatic testing of tubes is preferred because air provides a more efficient, cleaner test medium while also providing more precise results.

**Q How quickly can I test identified tubes?**

A You can test between 3 to 10 tubes a minute.

**Q What is the difference between the G-150 and G-150A Tube Testing Guns?**

A G-150 Tube Testing Guns are designed for use in tube sizes ranging from 1/4" to 1 1/4" (6.4 - 31.8 mm).

G-150A Tube Testing Guns are designed for use in tube sizes ranging from 1 1/4" to 2 1/2" (31.8 - 63.5 mm).

## G-250 Tube Testing Guns

### Quickly Vacuum Test Heat Exchanger Tubes

#### Description

Operating the G-250 Tube Testing Gun is simple. Connect shop air to the G-250 Tube Testing Gun. Insert the G-250 Tube Testing Gun and T-handle into the ends of the heat exchanger tube. Press a control valve and an integral vacuum generator quickly and efficiently evacuates the tube. Any loss of vacuum indicated on the gage indicates a tube leak. The tapered seal design allows you to test a large range of tube ID's without changing out the seals, washers, or support rods.

- Uses readily available shop air supply to conduct reliable testing of tubes
- Designed for use in Tube ID ranges from 0.28" - 1.45" (7.1 - 36.8 mm)



#### Basic Operations

- G-250 Tube Testing Gun and T-handle are placed into the ends of the tube
- Press the control valve so the gun's integral vacuum generator evacuates the tube
- If gage shows any loss of vacuum, the tube is leaking

#### Features and Benefits

- Test a large range of tube ID's with tapered seal and washer design
- Testing Gun and T-Handle are lightweight, weighing less than 2.1 lbs (1 kg)
- Tests for leaking tubes using standard plant air supplies from 40 to 125 PsiG (2.7 to 8.5 BarG)
- Optional digital vacuum gage available, increases sensitivity to find small leaks faster
- Quality assurance system certified to ISO-9001
- Quality assurance system that meets requirements of ANSI N45.2

#### Specs/Materials

- Standard material for seals is neoprene. Viton® seals available upon request.

#### FAQ

**Q Why should I use a vacuum test gun to test for leaks?**

A Vacuum testing of tubes is a quick and accurate method for identifying tube leaks.

**Q How quickly can I test identified tubes?**

A You can test between 3 to 10 tubes a minute.

**Q Can I test tubes larger than 1.45" (36.83 mm) ID?**

A Yes. An optional seal set is available for tube IDs up to 2.5" (63.5mm).