

# G-150 TESTING GUNS

Heat Exchanger Tube Tester

Test individual tubes for pinhole leaks  
using air pressure



- Interchangeable seal and washer sets
- Light weight: each gun weighs less than 2.1 lbs (1 kg)
- Uses standard plant air supplies from 40 to 125 psi (2.7 to 8.5 Bar)
- Standard seal material: Neoprene, Viton®\* optional
- Quality assurance system certified to ISO-9001
- Quality assurance system that meets requirements of ANSI N45.2, 10CFR50 Appendix B, 10CFR21

Find leaking heat exchanger tubes quickly and easily, with the G-150 tube testing gun set. Just connect to plant air, insert the air injection gun in one end of the tube, the plugging gun into the other, and press an air control valve. Air expands the seals on both guns and pressurizes the tube. When the pressure in the tube stabilizes, release the air control valve. Any reduction of pressure will be indicated on the integral pressure gauge to reveal even the smallest tube leak. With the G-150 tube testing gun set, you can pneumatically test from three to ten tubes per minute — all with significantly less operator fatigue and greater operator safety. The set comes complete with three rod and tube assemblies to test tubes from 0.28" to 1.23" (7.1mm to 31.2mm) I.D.

**Gun Sets**

Part Number	Description	Tube I.D. Range (inches (mm))
GSA-1500	G-150 test gun package (with support tubes and regulator)	0.28 - 1.23 (7.1 - 31.2)
GSA-1504	G-150 air injection gun (with support tubes and regulator)	0.28 - 1.23 (7.1 - 31.2)
GSA-1506	G-150 plugging gun (with support tubes)	0.28 - 1.23 (7.1 - 31.2)

**Neoprene Seal and Washer Sets**

Part number, GSA-XXXX-N, where XXXX is the number listed in the chart for the appropriate tube O.D. and BWG

Tube O.D.	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"	1 3/8"
<b>BWG</b>								
8 - 9	-	0030	0043	0056	0068	0081	0093	0106
10 - 11	-	0037	0047	0062	0072	0087	0097	0112
12 - 13	0028	0040	0053	0065	0078	0090	0103	0115
14 - 15	0033	0047	0056	0072	0083	0097	0110	0122
16 - 17	0037	0050	0062	0075	0087	0100	0112	-
18 - 19	0040	0053	0065	0078	0090	0103	0115	-
20 - 24	0043	0056	0068	0081	0093	0106	0118	-

**Notes:**

1. Seal and washer sets for tube I.D.s 0.28" - 0.48" (7.1mm - 31.2mm) contain (4) seals and (4) washers.  
All other seal and washer sets contain (2) seals and (4) washers.
2. For seal sizing and part numbers for applications in SWG, metric, or other tube sizes, contact EST Group customer service directly.
3. Optional seal material: Viton®\*

**Support Tube Assemblies**

Longer lengths (1ft - 4ft) can be used for easier testing when a channel head or water box is present.

Length (feet (mm))	Tube I.D. Range (inches (mm))	Part Number
<b>Standard</b>	0.28 - 0.48 (7.1 - 12.3)	GSA-1510
	0.49 - 0.83 (12.4 - 21.2)	GSA-1511
	0.84 - 1.23 (21.3 - 31.2)	GSA-1512
<b>1 (304.8)</b>	0.28 - 0.48 (7.1 - 12.3)	GSA-1510-01
	0.49 - 0.83 (12.4 - 21.2)	GSA-1511-01
	0.84 - 1.23 (21.3 - 31.2)	GSA-1512-01
<b>2 (609.6)</b>	0.28 - 0.48 (7.1 - 12.3)	GSA-1510-02
	0.49 - 0.83 (12.4 - 21.2)	GSA-1511-02
	0.84 - 1.23 (21.3 - 31.2)	GSA-1512-02
<b>3 (914.4)</b>	0.28 - 0.48 (7.1 - 12.3)	GSA-1510-03
	0.49 - 0.83 (12.4 - 21.2)	GSA-1511-03
	0.84 - 1.23 (21.3 - 31.2)	GSA-1512-03
<b>4 (1,219.2)</b>	0.28 - 0.48 (7.1 - 12.3)	GSA-1510-04
	0.49 - 0.83 (12.4 - 21.2)	GSA-1511-04
	0.84 - 1.23 (21.3 - 31.2)	GSA-1512-04

**Note:**

The 0.28" - 0.48" (7.1mm - 31.2mm) size support tube is limited to 60 psi.  
A regulator is supplied with the set for this purpose.

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