

# G-450 TESTING GUN

Heat Exchanger Tube Tester

Test straight-through heat exchangers without removing both heads.



EST Group's G-450 Air Activated Tube Tester is designed for testing individual straight-through heat exchanger tubes where access is limited to only one tube end. Simply insert the pull rod and compression tube assembly into the tube to be tested, attach the G-450 air control unit via a quick connect coupling, and depress the air control valve to expand the seals and pressurize the tube. Tube leaks will be identified by any pressure reduction indicated on the integral pressure gauge. When the test is complete, disconnect the air control unit, withdraw the pull rod and compression tube assembly, and move to the next tube.

**Interchangeable Seal and Washer Sets:** Allows testing of tubes from .50 " to 1.23" OD (12.7 - 31.3 mm).

**Light Weight:** Air Control Unit weighs less than 2.5 lbs (1.1 kg).

**Uses standard plant air supplies from 40 to 125 psi (2.7 to 8.6 bar).**

**Rod and extension tube assemblies available in 1 to 6 foot lengths (30.5 to 182.9 cm):** Can be assembled to test tubes up to 24 feet long (7.32 m). Shorter rod and tube extensions permit working in close quarters.

**Complete kit available:** Consists of a G-450 Air Injection Gun and an Extension Tube Assembly with seals set to the distance between the two tube sheets.

*The only plugs manufactured under a QA program certified to ISO-9001!*

Can be supplied under ANSI N45.2, 10CFR50 Appendix B.

**CURTISS  
WRIGHT**  
**Flow Control Company**  
EST Group

## G-450 Air Activated Tube Tester

Tube ID Size Ranger <sup>1</sup>	Part Number <sup>2</sup>
0.50 - 1.23 in (12.7 - 31.2 mm)	GSB-4500

## Support Rod and Tube Assembly

Tube ID Size Ranger <sup>1</sup>	Part Number <sup>2</sup>
0.50 - 0.86 in (12.7 - 21.8 mm)	GSB-4511-LL
0.87 - 1.23 in (21.9 - 31.2 mm)	GSB-4512-LL

## Channel Head Support Rod and Tube Assembly

Tube ID Size Ranger <sup>1</sup>	Part Number <sup>2</sup>
0.50 - 0.86 in (12.7 - 21.8 mm)	GSB-4501-LL-CC
0.87 - 1.23 in (21.9 - 31.2 mm)	GSB-4502-LL-CC

## G-450 Series Replacement Seal Part Numbers - GSB-XXX-N

BWG	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"	1 3/8"	1 1/2"
8 - 9	—	0043	0056	0068	0081	0093	0106	0118
10 - 11	—	0047	0062	0072	0087	0097	0112	0122
12 - 13	—	0053	0065	0078	0090	0103	0115	—
14 - 15	—	0056	0072	0083	0097	0110	0122	—
16 - 17	0050	0062	0075	0087	0100	0112	—	—
18 - 19	0053	0065	0078	0090	0103	0115	—	—
20 - 24	0056	0068	0081	0093	0106	0118	—	—

## Notes:

1. Tube ID range is for pricing only. The actual size needed for the XXXX number is listed in the above chart.
2. Support rod and tube extensions, and channel head extension assemblies are available in 1, 2, 3, 4, and 6 ft (30.5, 61.0, 91.4, 121.9 and 182.9 cm) lengths. The suffix LL and CC denote the actual length of the extension in feet. For example, the part number GSB-4511-06 is a 6 ft (182.9 cm) support rod and tube extension assembly

## Ordering Information

1. Tube Size: OD & wall thickness or ID
2. Actual length of tube from tubesheet face-to-tubesheet face
3. Actual channel head length

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