

The image features a red and silver vacuum leak tester, model KVLD3000, positioned against a perforated metal plate. The device includes a pressure gauge at the top, a central valve assembly with a blue arrow pointing right, and a clear cylindrical chamber. A red handle with a trigger is attached to the side. The background is a dark purple with a large, faint gauge scale showing values from 0.1 to 0.8. The text 'KVLD3000' is prominently displayed in a stylized red font with a black outline on the left side.

KVLD3000

Vacuum
Leak Tester
KVLD3000

 **KRAIS**

KVLD3000 ▶ Main features

The vacuum leak tester KVLD-3000 is a simple, precise method of testing tubes in boilers, condensers, and heat exchangers. It is the fastest, most accurate means of locating leaky tubes for plugging or replacement.

Powered by compressed air the vacuum leak detector pulls a vacuum in a tube to a desired reading on a gauge. A steady reading on the gauge would indicate that the tube doesn't leak. If the reading on the gauge drops you have pinpointed the leaking tube.



FEATURES

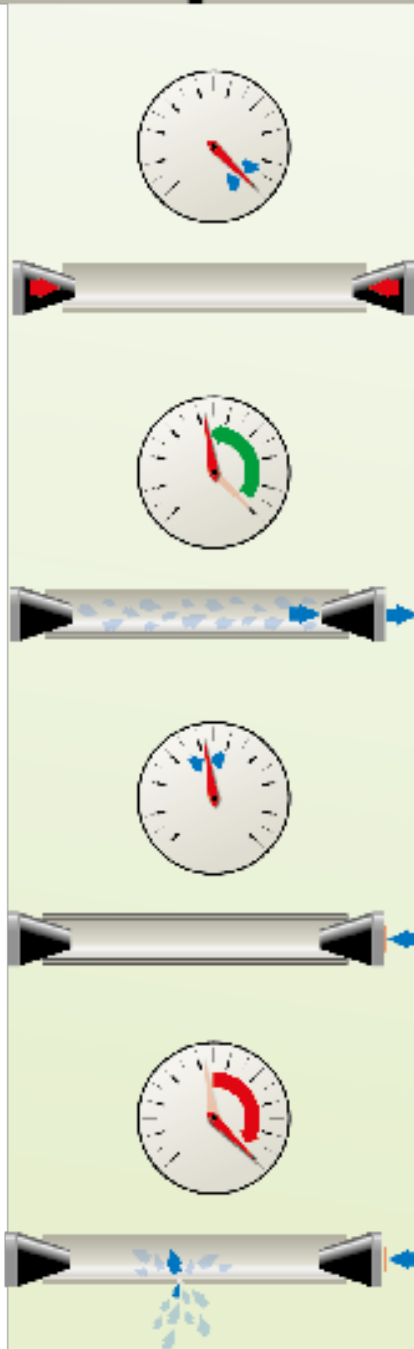
- Only one tool necessary for testing multiple tube sizes.
- Built-in easy to read vacuum gauge.
- Muffled exhaust for quiet operation.
- Lightweight, easy to use.

KVLD3000 ▶ Main features



OPERATING INSTRUCTIONS

1. Seal far end of tube to be tested with "t" handle type tube plug or optional snap type tube plug.
2. Place nozzle of tester into near end of tube.
3. Squeeze trigger of test unit until gauge reaches desired reading.
4. Release trigger and observe gauge.
5. A steady reading on gauge indicates no leaks.
6. Move to next tube and repeat.



SPECIFICATIONS

- Cover wide range of tubes with one unit (tube sizes: 1/4" (6,3) to 3" (76,2 mm))
- Requires 90 PSI (6,2 bar) compressed air
- Air consumption: 26 C.F.M. (720 l/min)
- Carrying case measures: 16" x 12" x 4" (410 x 300 x 85 mm)
- Tool weight: 4,4 lbs (1,2 kg)
- Approximate shipping weight: 6,6 lbs (3,0 kg)



NOZZLES AVAILABLE

PART NUMBER	TUBE OD SIZE
K-1002	1/4" (6,3 mm) - 3/4" (19 mm)
K-1003	5/8" (15,9 mm) - 1 1/4" (31,7 mm)
K-1004	1 1/8" (28,6 mm) - 2" (50,8 mm)
K-1005	1 7/8" (47,6 mm) - 3" (76,2 mm)

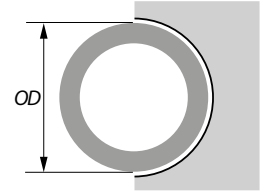
TUBE PLUGS



Ideal for sealing leaky tubes in condenser and heat exchangers. It is recommended to use our ortc one revolution tube cutter to puncture the tube to ensure that pressure can not build up in the tube and cause the plug loosen or blow out.

AVAILABLE PLUGS

	min	max
One piece	3/8" (9,5 mm)	3" (76,2 mm)
Two piece	5/8" (15,9 mm)	1" (25,4 mm)



ROLLING CONTROLS



Torque controlled right angle rolling motors range from 1-1/8" (28,5 mm) ID to 4" (101,6 mm) ID



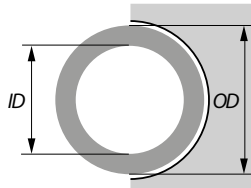
PUSH&PULL pneumatic rolling motor range from 1/2" (12,7 OD) to 1-1/4" (31,7mm) OD

CONDENSER AND HEAT EXCHANGER TUBE EXPANDERS



TUBE RANGE

	min	max
Tube ID	0,152" (3,86 mm)	1,43" (36,32 mm)
Tube OD	0,25" (6,35 mm)	3" (76,2 mm)



TUBE SHEET THICKNESS



MIN: 1/4" (6,3 mm)

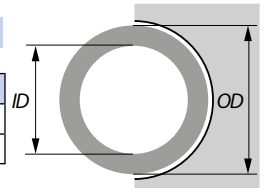
MAX: 12" (323,6 mm)

BOILER TUBE EXPANDERS



TUBE RANGE

	min	max
Tube ID	3/4" (19 mm)	4-1/2" (114 mm)
Tube OD	1" (25,4 mm)	4-5/8" (118 mm)



TUBE SHEET THICKNESS



MIN: 1/2" (12,7 mm)

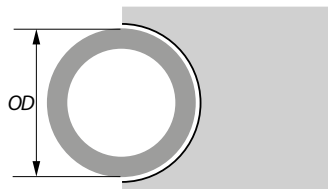
MAX: 5" (127 mm)

TUBE CUTTERS



TUBE RANGE

	min	max
Tube OD	1/2" (12,7 mm)	4" (101,6 mm)



Tube Expanders

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