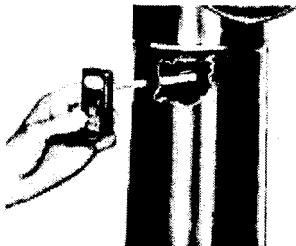


## WARRANTY

Bacharach, Inc. warrants to Buyer that at the time of delivery this Product will be free from defects in material and manufacture and will conform substantially to Bacharach, Inc.'s applicable specifications. Bacharach's liability and Buyer's remedy under this warranty are limited to the repair or replacement, at Bacharach's option, of this Product or parts thereof returned to Seller at the factory of manufacture and shown to Bacharach, Inc.'s reasonable satisfaction to have been defective; provided that written notice of the defect shall have been given by Buyer to Bacharach within one (1) year after the date of delivery of this Product by Bacharach, Inc. For full details concerning this warranty, contact Bacharach, Inc.

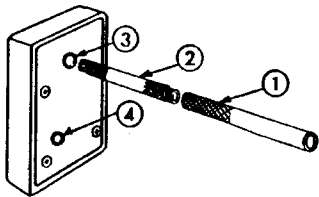
# BACHARACH®

INSTRUCTION 13-9008  
DRAFTRITE  
Rev. 2 - September 1995



**Bacharach, Inc.**

625 Alpha Drive, Pittsburgh, PA 15238-2878  
Phone (412) 963-2157/2164 - Fax (412) 963-2640  
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### Assembly

Screw Draft Tube parts ① & ② together then screw them into back of Drafrite ③. When required, extend Draft Tube with length of  $\frac{1}{4}$ " copper tubing. Total length of extended tube must not exceed 12 inches.

### Location For Checking Draft

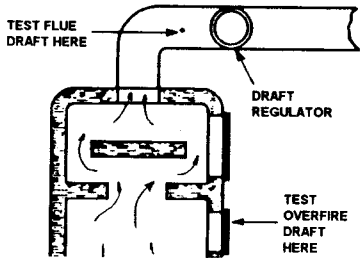
Heating Equipment Manufacturer may require draft measurement (a) in flue between furnace and draft regulator; (b) overfire between combustion space and heat exchanger. Locate draft hole in flue

at least 6" from draft regulator or damper toward furnace. Use awl with  $\frac{1}{4}$ " shank to form hole in flue or light sheet metal.

Overfire measurement may be made through bolt hole or air louvre in door or through observation port, if necessary, drill a  $\frac{1}{4}$ " hole. In case of oversize opening, Draft Tube should protrude several inches minimum beyond inside wall, if necessary extend Draft Tube (see above).

### Draft Measurement

Operate burner for several minutes and while continuing to operate insert about half of Draft Tube into draft hole. Cover Zero Check hole ④ with finger, level Drafrite until (a) Draft Tube is horizontal and (b) pointer is in line with zero scale mark, uncover Zero Check hole without disturbing position of Drafrite. Pointer instantly shows draft or pressure reading. Use of the Drafrite is illustrated on front page.



## Correct Draft

All combustion equipment requires correct draft for best performance. Specific draft recommendation should be obtained from manufacturer.

## IMPORTANT NOTE

Drafrite is furnished in two ranges for measurement of updraft/downdraft of fuel burning equipment as follows:

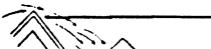















1. .10 inch water downdraft to .14 inch water updraft.
2. .05 inch water downdraft to .25 inch water updraft.

Neither of the above models can be used to locate Neutral Pressure Point as required in "Requirements for Installation and Adjustment of Domestic Gas Conversion Burners" (ANSI-Z21.8-1994).

## Maintenance

Protect instrument from dirt, oil, and lint. Do not oil. Keep gauge in case when not in use, and keep case free of lint or dirt. Clean Draft Tube occasionally with pipe cleaner. Protect gauge against excessive shock. Do not use as continuously indicating instrument. Drafrite is designed for spot checking draft where extreme portability is important.

# COMMON CHIMNEY TROUBLES

TROUBLE	REMEDY
 <p>Top of Chimney lower than surrounding objects.</p>	<p>Extend chimney above all objects within 30 feet.</p>
 <p>Chimney Cap or Ventilator.</p>	<p>Remove.</p>
 <p>Coping restricts opening.</p>	<p>Make opening as large as inside of chimney.</p>
 <p>Piece of broken Tile wedged in Chimney.</p>	<p>Break tile with a rod or weight on a string or wire.</p>
 <p>Joist protruding into Chimney.</p>	<p>Change support for joist so that Chimney will be clear.</p>
 <p>Leakage between loose jointed tiles.</p>	<p>Rebuild Chimney with a course of brick between flue tiles.</p>
 <p>Debris accumulating in offset.</p>	<p>Break out with rod or weight, it may be necessary to open Chimney.</p>
 <p>Heater or ventilator connection.</p>	<p>Remove.</p>
 <p>Offset.</p>	<p>Change to straight or to long offset.</p>
 <p>Loosely fitted Smoke Pipe.</p>	<p>Close leaks with cement.</p>
 <p>Smoke Pipe extends into Chimney.</p>	<p>Make end flush with inside of Chimney.</p>
 <p>Loosely fitted cleanout door.</p>	<p>Close leaks with cement.</p>
 <p>Opening between flues.</p>	<p>Close openings permanently.</p>
 <p>Chimney too small.</p>	<p>Rebuild.</p>
 <p>Chimney too large.</p>	<p>Rebuild.</p>
 <p>Chimney too short.</p>	<p>Extend.</p>