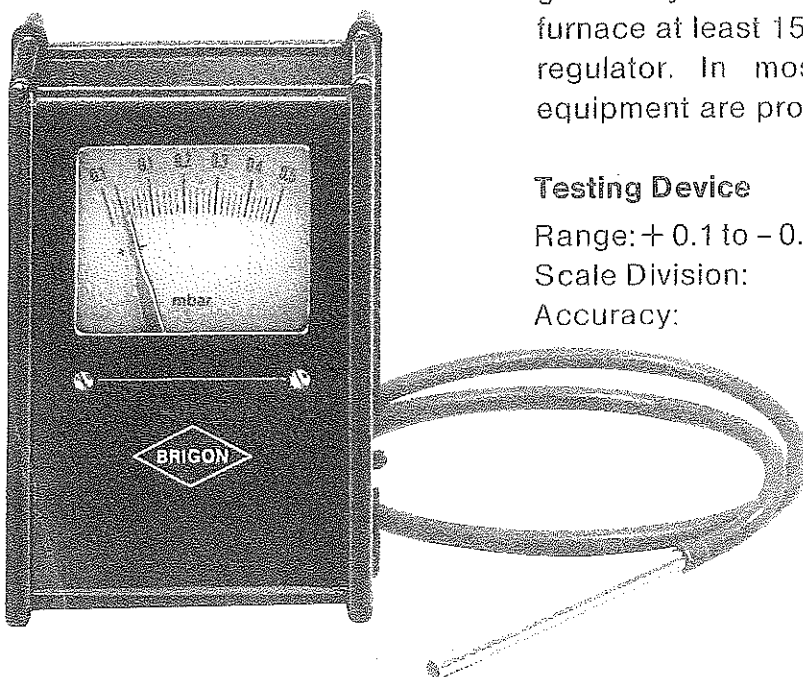


BRIGON-Draft-Gauge

for measuring chimney draft and overfire pressure

BRIGON-Draft-Gauge determines quickly and accurately the amount of draft in the chimney and the overfire pressure in the combustion chamber.

The constant flow of flue gases with the least possible variation is indispensable for good and economical combustion. Pay careful attention to the recommendations of the manufacturer of the boiler/furnace regarding draft requirements for correct operation. The correct place for measuring the chimney draft as well as any other gas analysis is in the breech behind the boiler or furnace at least 15 cm (6 inches) away from any draft regulator. In most cases holes for the testing equipment are provided.



Testing Device

Range: + 0.1 to - 0.5 mbar (+ 0.05 to - 0.25 inches WC)

Scale Division: 0.02 mbar (0.125 inches WC)

Accuracy: 0.02 mbar (0.125 inches WC)

Measurement

Temperature of BRIGON-Draft-Gauge — as well as any other BRIGON-Combustion-Testing-Equipment — should be at or close to the temperature of the working environment. Place BRIGON-Draft-Gauge in upright

position on a level base or hang upright and keep BRIGON-Draft-Gauge in this position throughout the measuring process. Before each measurement adjust pointer to zero by using lever at the right hand side. The instrument is now ready for use.

Insert metal sampling tube into smoke outlet and avoid secondary air by using a cone with the metal sampling tube.

Read off the value of the scale about 30 seconds after sampling tube has been introduced.

If the overfire pressure in the combustion chamber is to be measured, insert extended sampling tube into the combustion chamber over the flame. Use a hole in the stoking door or an air inlet.

Maintenance

BRIGON-Draft-Gauge needs no maintenance, but regular checks by comparing with a new unit are recommended.