2007 CALIBRATION OF "WATTS" PRESSURE METERS (TYPE B)

2007.1 PROCEDURE

A. Clean air pot and cover.

B. Dry air pot completely.

C. Weigh the pot and a glass plate together and record.

D. Fill the pot with water that has been allowed to become air free, place glass plate on top of pot forcing all the air bubbles out.

E. Completely dry the exterior of the pot and glass plate to remove all excess water.

F. Weigh the pot, water, glass plate and record.

G. Subtract step (C) from step (F) and divide it by 62.3 to get the volume of the pot.

H. Take the volume of the brass calibration vessel (1.50) and divide it by the volume of the pot (step G) to get the proper reading of the pot.

I. Remove glass plate and submerge the calibration vessel in the water.

J. Place the cover on and fill with water through the valve on the top of the cover until water comes out the other valve with no bubbles.

K. With water valves still open, pump air machine up to its initial air reading and let sit a few seconds until the needle stabilizes.

L. Close both water valves, then push the air release lever and hold a few seconds.

M. The gauge reading should read what you calculated in step (H). If not you must repeat steps I through L using an adjusted initial air reading.

N. Mark the "Initial Air Setting" in a conspicuous place or fasten a metal tag with the "Initial Air" stamped on it to the base of the air gauge.

O. Mark the unit O.K., initial and date it using tape or other marking method.

2007.2 AIR MACHINE CALIBRATION FORM

MACHINE NO.					
POT VOLUME					
CALCULATED AIR*					
ACTUAL AIR					
GAUGE READING					
REMARKS					
DATE					
CHECKED BY					

$$* \text{ CALCULATED AIR } = \frac{1.50}{\text{VOLUME}}$$

MACHINE NO.					
POT VOLUME					
CALCULATED AIR*					
ACTUAL AIR					
GAUGE READING					
REMARKS					
DATE					
CHECKED BY					

$$* \text{ CALCULATED AIR } = \frac{1.50}{\text{VOLUME}}$$