

## **Instruction for Chase Air Indicator**

- Fill metal cup with cement mortar paste, excluding particles larger than no. 10. Use a narrow blade to pick up mortar. Do not wet screen. Rod material in cup to compact mortar, Strike off excess even with top of cup
- Hold finger over stem opening and fill large end with Isopropyl alcohol to line on glass (alcohol may be inserted in the stem opening after stopper is inserted, with syringe or dropper if desired).
- Insert stopper in tube, invert indicator and adjust liquid level to top line of stem making sure that all air bubbles are removed and that the stopper is firmly inserted.
- Place finger over stem opening to prevent loss of any liquid and gently roll the indicator from vertical to horizontal several times until all the mortar has been dissolved out of the cup into the alcohol.
- With indicator in vertical position carefully remove the finger from the opening and count the number of spaces from the top of the new liquid level. In the case of mixes with 15 cubic feet of mortar the number will directly represent the percentage of entrained air in cubic yard of the concrete. For different mortar content refer to the table below.
- When ready to empty the instrument care should be exercised to invert the glass to flush out particles of sand from between the glass and metal to prevent jamming when removing the stopper.
- Wash and clean the assembly immediately after use with clean water.

### **CONVERSION TABLE**

For following mortar contents per cubic yard multiply the stem readings by the following constants:

10 Cubic Feet by	.067	19 Cubic Feet by	1.26
11 Cubic Feet by	.073	20 Cubic Feet by	1.33
12 Cubic Feet by	.080	21 Cubic Feet by	1.39
13 Cubic Feet by	.086	22 Cubic Feet by	1.46
14 Cubic Feet by	.093	23 Cubic Feet by	1.52
15 Cubic Feet by	1.00	24 Cubic Feet by	1.59
16 Cubic Feet by	1.07	25 Cubic Feet by	1.66
17 Cubic Feet by	1.13	26 Cubic Feet by	1.72
18 Cubic Feet by	1.20	27 Cubic Feet by	1.78