# Model 300 Aerator

STABLE AIR®

## EASY TO OPERATE
User-friendly interface

## RELIABLE
Quality USA handcrafted equipment

## PREDICTABLE
Precise air percentage on demand

## CUSTOM DESIGNED
Built to interface with batch plant specs

### Permanent Batch Plant Installation


## ASTM C260 CERTIFIED

## APPLICATIONS

⇒ LIGHTWEIGHT STRUCTURAL

⇒ FLOWABLE FILL

⇒ PRECAST AND MORE ...

# Model 300 Aerator

**Product Name:**
**Model 300 (up to 20 CFM)**
Measurements: 4' X 2' X 3'
Weight: 260 lbs.
2 Lenses
Batch plant installation
Requires: Compressed air (20 cfm @ 120 psi), Water (20gpm @ 40-60 psi), standard 110/120 volt, 15-30 amp electrical power

Custom designed to operate with your existing batch plant operations

**Manufacturer:**
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**Product Description:**
Stable Air® concrete technology is an **air-entrainment system** for producing high strength lightweight cellular concrete that is much more cost efficient than conventional systems.

Model 300 is a fixed installation unit Designed for the concrete producer who needs to entrain concrete in large quantities, the only requirements on site are a water source of 20gpm at 40-60 psi water pressure and standard electrical 110/120 volt and 15-30 amp power.

**Uses:**
Stable Air® is recommended for use in all ready-mix, precast, prestress and other concrete products where the intentional entrainment of a specified level of air is required. Stable Air® has been found to be particularly effective in both high cement factor and low slump concrete mixes, which require a very efficient air-entraining admixture. It can produce a superior non-collapsing, excavatable flowable fill of up to 80% air with zero shrinkage.

**Product Advantages:**
The percentage of air content specified, or the weight per cubic foot specified, can be predictably and accurately controlled. Air stability makes it particularly useful for longer transit times. The loss of air content through normal processing operations (mixing, transporting, pumping, placing and finishing) is very low. Stable Air technology functions well across a wide range of concrete materials and is economical to use in concretes which are typically difficult to air entrain.

**Performance:**
Air is incorporated into concrete via mixing mechanics and stabilized into millions of discrete semi-microscopic bubbles in the presence of Stable Air®. These air bubbles act much like flexible ball bearings, increasing the plasticity and workability of the concrete. This allows for reductions in mixing water with no loss of slump. Surface bleeding, plastic shrinkage and aggregate segregation are also minimized. Through the purposeful entrainment of air, Stable Air markedly increases the durability of concrete to severe exposures, particularly freeze-thaw cycling. It has also demonstrated a remarkable ability to import resistance to the action of frost.

**Addition Rates:**
Stable Air addition rates will vary according to the specified level of air required. Addition rates are also influenced by mix design parameters, material properties of the cement, fly ash, coarse and fine aggregates, and other admixtures. Also, ambient and concrete temperature, mixing time and time of addition can affect the required dosage rates. It is recommended that pre-job testing be conducted to assure the correct dosage rate of Stable Air.

**Basic Instructions:**
1. Connect external surfactant, power, air and water intake lines.
2. Calculate the run time per desired amount of Stable Air.
3. Set the Aerator run time.

**Pricing:**
Call US Toll Free (877) 828-1954 or (949) 754-0570 to order today!

**Accessories:**
Enhance your air-entrainment system with custom accessories including a digital scale, hoses, a netbook computer and more.

American Concrete Institute®
*Advancing concrete knowledge*