

PRESSURE TANK SYSTEMS

Foam generators used in the production of cellular concrete may be sized for any production rate, and are for use with either continuous or batch mixing systems.

All units include a calibrated foam nozzle with fixed foam discharge rates from 5 cfm to 40 cfm (depending on flow)

Pressure tank generating systems are optimal for operations where batching equipment is utilized. It is very cost effective when relatively small quantities of foam are required.

Pressure Tank Generator Features

- ▶ ASME coded, internally epoxy coated tanks.
- ▶ Air metering and premix metering assembly system
- ▶ Premix metering assembly consisting of pickup tubes, strainers, and metering device
- ▶ Calibrated nozzles with nominal discharge rate of 5cfm, 10cfm, 20cfm, or 40cfm. Includes delivery hose
- ▶ Manual controls standard, AC or DC timer with solenoid valves are available
- ▶ A complete owner/operator manual is supplied with each unit

FOAM GENERATORS FOR USE WITH CELLULAR CONCRETE



With pressure tank generating systems, foam liquid concentrate and water are premixed in the tank. The solution is then discharged from the pressurized tank through the foam-making nozzle. No additional water pump is required. The process is completed by air pressure alone.

Pressure tanks are supplied in sizes from 30 to 200 gallon capacity to accommodate the project size. Where continuous operation is desired, two tanks of equal size may be coupled together in parallel, so one may be discharging foam while the other is being refilled without stopping production.



Calibrated foam nozzles with discharge rates from 5 to 40 cfm are available for both pressure tank systems and continuous generating systems.

Aerix Industries™
Advanced Engineered Foam Solutions



CONTINUOUS GENERATING SYSTEMS

Continuous generating systems are optimal when used in conjunction with continuous concrete mixing and placing equipment, continuous foam delivery is desired, or the volumes of foam required are very large.

The Auto-Foam Generator is compact and easy to transport. A complete operator manual is supplied with each unit. We will be glad to design a specific unit to meet your requirements.

The AFG produces the highest quality, most stable preformed foam in the industry.

Minimum Air Requirements

T30 : 7-15 cfm at 80 psi

T80: 15-30 cfm at 100 psi

T200: 30-60 cfm at 110 psi

AFG - Contact Aerix Team

Lab Unit - Contact Aerix Team

Average Foam Production Per Unit

Generator Model	Average Foam Production (ft ³)	
	Protein	Synthetic
T30	80	120
T80	213	320
T200	534	801
AFG	continuous	continuous

Notes: Protein foam density is 3.2 lb/ft³
Synthetic foam density is 2.0 lb/ft³

FOAM GENERATORS FOR USE WITH CELLULAR CONCRETE



Our Auto-Foam Generator (AFG) automatically blends liquid foam concentrate with water and compressed air in fixed proportions. The AFG continuously siphons liquid foam concentrate directly from the concentrate's container. The liquid foam concentrate is metered and blended with water yielding a premixed solution with the proper concentration ratio to produce the desired density.

This solution is then pressurized and balanced with an air source (not included). Air and the premixed solution are then metered through a nozzle, whose output can be varied by the Auto-Foam Generator. The nozzle is designed for the production of a fine micro-bubbled foam of a specific density and quantity.

LAB UNIT:

Aerix Industries manufactures a state-of-the-art, portable lab foam generator for producing accurate mix design results in the laboratory.

The transportable unit meets varying production flow up to 1 ft³/min of foam. The unit can be removed from its case for easy cleaning.



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