

# "THE FOAMER"



**"THE FOAMER"** is designed and manufactured to provide highly accurate and repeatable foamed asphalt samples that are used for Warm Mix Asphalt Mix Designs in the Laboratory. The Foamer can also be used for Cold Mix Designs and can be used as an Asphalt Dispenser. **"THE FOAMER"** is rugged and can easily be used in tandem with a laboratory mixer. Below are some features of **"THE FOAMER"**:

- Fully Automated PLC Control System (Digital Graphic Interface) assures correct timing and control of the foamed asphalt and features touch screen controls for all operations.
- Proportions, flow-rates, timing, pressures, and volume of both Asphalt Cement (AC) and Water can all be validated and are adjustable.
- Up to 22 pounds of AC can be accommodated by this system
- Reservoir is lined with special high-temperature, disposable polymer bag which can be discarded upon completion of test.
- The System incorporates a "Quick-Change" feature that allows batches to be sequentially run with literally no clean-up.
- System allows for easy clean-up and minimum residual asphalt
- Unit is Mobile and has adjustable dispensing height

# SPECIFICATIONS

## DIMENSIONS:

Width	35"
Length	36"
Height	85"
Weight	300lbs.

## REQUIREMENTS:

Electrical	120 VAC, 20-Amp
Compressed Air	120 PSIG consumption <1 SCFM (28.32 SLPM)
Water	Standard Tap Water; Dispensed in .5% increments up to 5%+ consumption <1 CFM (28.32 liters)

## CAPACITY:

Asphalt Cement	22lbs
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**TEMPERATURE:** Ambient to 350F

## COMPONENTS:

### Frame

Extruded Aluminum Framing

### Chamber

Heated and Pressurized Aluminum Chamber with reservoir.  
High Temperature Polymer Bag and Tube are located  
inside the reservoir.

### Controls

Fully Automated PLC Control System (Digital Graphic Interface)  
assures correct timing and control of the foamed asphalt and  
features touch screen controls for all operations. Control System  
has an attached printer which is used to print test parameters.

### Pneumatic Cylinder

Utilized to Raise and Lower Chamber for various laboratory mixer heights.



**Disposable Bag and Tube**



**Heated/Pressurized Chamber**