

# "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 14 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 accepts standard 1 quart and 1 gallon cans of asphalt cement at room temperature; handling of hot asphalt and containers is not necessary
- 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	50 PSIG (551.58 kPa); consumption <1 SCFM (28.32 SLPM)
Water	Standard Tap Water; consumption <1 CFM (28.32 liters)



Disposable Bag and Tube

## CAPACITY:

Asphalt Cement	1.64 US gallons liquid
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**TEMPERATURE:** Maximum System Temperature 350F (176.67C)

## COMPONENTS:

### Frame

Extruded Aluminum Framing

### Chamber

Heated and Pressurized Aluminum Chamber with reservoir which accepts standard 1 quart and 1 gallon containers of asphalt cement. High Temperature Polymer Bag and Tube are located inside the reservoir.



Heated/Pressurized Chamber

### 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.

### Adapters

Utilized to accept standard 1 quart and 1 gallon containers

### Pneumatic Cylinder

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

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