



## MIDE Laboratory Colloid Mill

### General Features:

The MIDE laboratory colloid mill - bench model is especially designed for production of regular road grade bitumen emulsions and polymer modified and industrial grades that do not require production above boiling point for water.

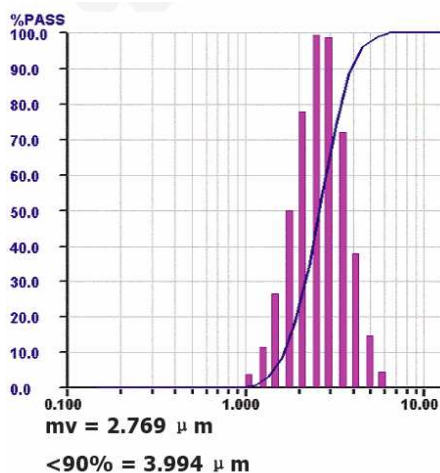
The rotor and stator system is designed to enable achieving a fine and narrow particle distribution

### Application:

For preparation of bitumen emulsions sample

### Specifications:

- Voltages : 400VAC
- Amp : 3.4A
- Speed : 2840R/M
- Power : 1.5KW/2HP
- Capacity/ batch : 1L ( Asphalt emulsion )



- Vary and optimize the particle distribution and thereby the emulsion characteristics to adapt to prevailing requirements and to achieve close correlation with different full-scale production mills.
- Using many bitumen that normally form too coarse particle distributions resulting in poor emulsion quality.
- Easy movable

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All wetted parts of the colloid mill are made out of AISI 316L and the pipe system and other components in AISI 316 stainless steel for corrosion resistance against low pH emulsions.

The compact design of the complete unit including mill and motor with switch and pipe system allows placement on a regular laboratory bench.

## Technical Description

The unit is one integrated unit consisting of the following parts:

- Mill and motor
- Pipe system with funnel to receive the bitumen and other ingredients, re-circulation pipe system and sample valve.
- Electrical box with start/stop, thermostat, internally; contactor motor protection

## Remark



Prepare the soap

Emulsion product