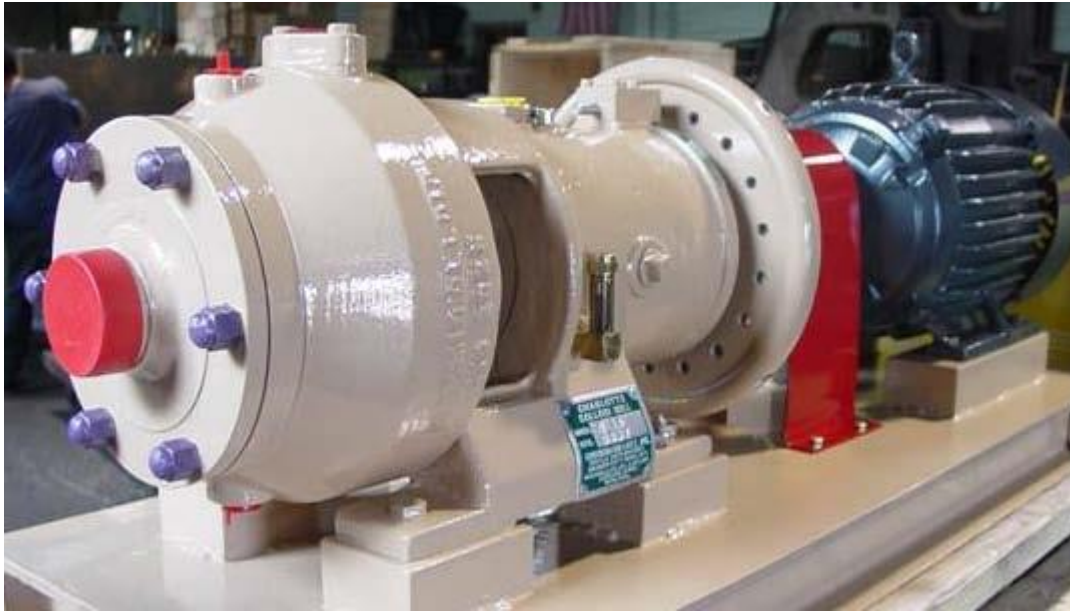




# Charlotte®

## COLLOID ASPHALT EMULSION MILL



### A Proud History Of Earned Respect

Founded in 1924, Chemicolloid Laboratories, Inc. has earned and maintained a respected international position throughout the process industry. Since the successful introduction of the Charlotte Colloid Mill, the basic principle, design, and grooved rotor and stator principle have maintained and strengthened its revolutionary position as the leader in process applications. The Chemicolloid reputation for quality design and manufacture of Colloid Mills is universally acknowledged and acclaimed. The CHARLOTTE COLLOID MIL has been an industry leader since 1924. We are proud to point out that we have a CHARLOTTE producing quality emulsions in virtually every country in the world.

Both industrial emulsions and road paving grades are produced on our equipment. The rapid shift to modified emulsions has required many producers to look to the CHARLOTTE COLLOID MILL because of its ability to handle high viscosity emulsions while supplying a consistently high quality product.

All CHARLOTTE COLLOID MILLS are designed to process temperatures up to 400°F at through put pressures up to 150 PSI. All mills have externally adjustable rotor and stator gap clearances. These clearances can be set anywhere from .005" to .070". Settings are achieved in increments of .001". For processing versatility, CHARLOTTEs are fully jacketed to permit product heating via low pressure steam or oil during operation. Our equipment can offer you production capacities that range from one to ten-thousand gallons per hour equal to up to forty tons per hour.

If you require corrosion resistant processing, we can also offer you a CHARLOTTE with the rotor and stator fabricated from 316 stainless steel or the entire product processing area fabricated totally from 316 stainless steel. This option is incorporated in our proposal. All mills are offered either to include motor for domestic or international use.

# HI SHEAR DISPERSION HOMOGENIZATION SUSPENSION BLENDING EMULSIFICATION CONTINUOUS PROCESS NON-AERATING

## CHARLOTTE MILLS FIT YOUR NEEDS

Charlotte Colloid Mills are available in the size necessary to do the job quickly and efficiently. From small pilot plant models to large production units handling over 10,000 gallons per hour, Charlotte can satisfy all of your Colloid Mill requirements. All model capacities are conservatively estimated from minimum to maximum.

## COMPLETE SYSTEMS

We make turnkey systems from our pilot lab all the way up to full production units.

## ASPHALT EMULSION PRODUCTION

Model G-125 .....6,000-10,000 gph  
Model G-100.....4,000-6,000 gph  
Model G-75 .....2,000-4,000 gph  
Model G-50 .....1,000-2000 gph  
Model G-5 ..... 1/2-3 gpm  
For: Quality Road Paving Grade Water Emulsified Asphalt

## RESEARCH AND DEVELOPMENT

In Laboratory and Pilot work, the Model G-5 Charlotte Colloid Asphalt Emulsion Mill, equipped with a 5 H.P. motor will produce an indicative product comparable to the results obtained on the larger production mills.

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## SUPERIOR AFTER PURCHASE SUPPORT

To help you maintain your Charlotte Colloid Asphalt Emulsion Mill in top operating condition, we offer a complete line of spare and replacements parts, also complete guaranteed mill rebuilding for all of our models. And to insure proper installation and maintenance, we provide our Technical Assistance Hotline for all your support needs.

***We buy back mills. Lease option available.***

Chemicolloid Laboratories, Inc.

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