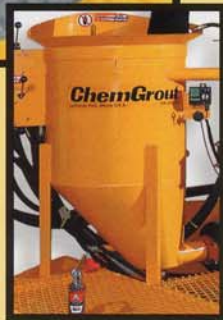




ChemGrout's "TurboMix" Colloidal Mixers



Specially designed tanks and mixing pumps make ChemGrout colloidal mixing efficient and profitable for the owner. Water and solid materials are drawn through the high speed diffuser type pump rotating at speeds of up to 2,000 RPM to prevent flocculation and achieve complete particle wetness. Mixing time is significantly reduced by the high shear action of the colloidal mixing pump, aided by a unique powered bridge breaker device which enhances flow rate through the pump. These high shear colloidal mixers have been shown to increase apparent fluidity of slurry mixes by 20% over paddle mixers, an important advantage for dam, rock and soil grouting where the ability to penetrate tight formations is necessary. For very sensitive applications such as post tension grouting, the highly efficient colloidal mixer makes possible water to cement ratios down to 0.35 by weight, resulting in very high strength grouts with little or no bleed water release.

Materials

- Neat cements — all types
- Ultra/Micro-fine cements
- Bentonite slurries
- Flyash
- Lime dust
- Post tension grouts



CG-600 Colloidal Grout Plant

20 gpm

The CG-600 is a heavy duty, high volume colloidal grout plant favored for heavy construction projects such as dams and tunnels, as well as for precision post tension grouting. This unit features a high speed mixing pump that thoroughly wets each particle and discharges the mixed material into a 13 cubic foot capacity agitating holding tank. A direct coupled progressing cavity pump delivers slurry at a rate of up to 20 GPM and pressure of up to 261 PSI. The unit easily mixes and pumps slurries of portland cement, flyash, bentonite, and lime flour. All controls are conveniently located on the operator platform for easy one man control. Power options are air, hydraulic, electric/hyd or diesel/hyd.

Specifications

PUMP

Pump Type	3L6 progressing cavity
Output/Pressure	variable up to 20 gpm, 261 psi

COLLOIDAL MIXER

Mix Tank	13.0 c.f. with bottom cleanout
Mixing Pump	2 x 3 x 6 diffuser-type centrifugal
Holding Tank	13.0 c.f. paddle agitating

DRIVE POWER

Air	300 CFM, 100 psi
Hydraulic	20 GPM, 2000 psi
Electric/3-Phase	230/460 V, 77/38 Amp (25HP)
Diesel	24 HP

PHYSICAL SPECIFICATIONS

Dimensions	96"L x 60"W x 63"H
Weight	1800-2800 pounds