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CG-680 High Pressure & Capacity Colloidal Mixer Series

Product Page:
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Product Summary

Product Description
Download Specification
The ChemGrout CG-680 High Pressure series is a high pressure, high capacity, skid mounted colloidal grout plant. The HP colloidal series easily mixes and pumps slurries of cement, flyash, bentonite and lime flour. Each grouting machine in this series is designed to provide a continuous mixing and pumping operation. These units feature a 17 cubic foot homogenizing colloidal mixer, a 17 cubic foot agitated storage tank and a 32 GPM grout pump. The colloidal mixer is equipped with a 2X3X12 high shear centrifugal diffuser-type pump that disperses the cementitous material down to its finest particle size to achieve complete particle wetness. The mixing tank is also equipped with a bridge breaker to break apart the material before entering the colloidal mixer. The agitated storage tank is equipped with a variable speed high-efficiency paddle mixer that maintains a thoroughly mixed grout while waiting to be pumped. The grout pump is connected directly to the agitated storage tank to provide a continuous pumping operation. The grout pump is a positive displacement, high capacity, double acting plunger pump. The rugged steel frame stands up to the toughest conditions on the construction site. Operator controls are centrally located for efficient production. All components are easily accessible for operating, cleaning and maintenance.

Applications
foundations, tunnels, mining, dam foundations, soil compaction, soil & rock grouting, waterproofing, soil anchors, rock bolts, encasements, and post tensioning.
Specifications

Pump Size Maximum Output Maximum Pressure

3.5" x 8"
32 GPM (120 LPM)
1,500 PSI (103 BAR)

Requirements, Weights, and Dimensions

Model Number Description Dimensions Weight

CG680/3.5X8PLC/EH
Skid Mounted Electric/Hydraulic Powered HP Colloidal Grout Plant
Requires 48-60 amps, 3 Phase current, several voltage options
109"L x 60"W x 70"H
3,200 lbs

CG680/3.5X8PLC/DH4
Skid Mounted Diesel/Hydraulic Powered HP Colloidal Grout Plant
Self contained - 49 HP diesel engine with electric start
121"L x 60"W x 79"H
3,800 lbs

Product Gallery

CG680/3.5X8/PLC/EH