



CG-600 High Pressure Colloidal Series



Product Page:

<https://www.chemgrout.com/products/colloidal-mixing-equipment/double-acting-plunger-grout-pumps-colloidal-mixing-equipment/cg-600-high-pressure-colloidal-series/>

Product Summary

Product Description

Download Specification

The ChemGrout CG-600 High Pressure series are skid mounted, colloidal grout plants. This unit is available with a 13 cubic foot high shear colloidal mixer, an agitated storage tank and a high pressure plunger grout pump. The colloidal mixer is equipped with a high shear centrifugal diffuser-type pump that disperses the cementitious material down to its finest particle size to achieve complete particle wetness. The mixing tank is equipped with a bridge breaker to break apart the material before entering the colloidal mixer. The agitated storage tank is available in 13 CF or 17 CF and 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 double acting, positive displacement plunger style that is available in three different sizes, 3X8 and 2X8, offering discharge pressures of 1,000 psi and 2,000 psi respectively. The double-acting plunger pump is designed so that conversion between the pressure outputs is easy and cost effective. Operator controls are centrally located for efficient production. The pump has patented fasteners that dramatically reduce disassembly time for cleaning and maintenance.

Shown with optional water batcher.

Applications

Civil Engineering - soil nails, tiebacks, earth anchors, high pressure rock grouting

Structural - building restoration, foundation stabilization, foundation raising, soil compaction grouting

Construction- post tensioning, slab undersealing , slab jacking and slab raising

Marine- underwater foundations, piers, breakers, shoreline foundations

Mining- high pressure rock grouting, tunnel lining, contact grouting, waterproofing, cable and rock bolts

Utilities- encasements, waterproofing, dam foundations

Geotechnical- deep well casing, monitor wells, well sealing and abandonment

Specifications

Pump Size Maximum Output Maximum Pressure

2" X 8"

14 GPM (58 LPM)

2,000 PSI (138 BAR)

3" X 8"

20 GPM (77 LPM)

1,000 PSI (69 BAR)

Requirements, Weights, and Dimensions

Model Number Description Dimensions Weight

CG600/3X8/A

Skid Mounted Air Powered Grout Plant

Requires 375 CFM, 100 PSI

97"L x 60"W x 68"H

2,100 lbs

CG600/3X8/H

Skid Mounted Hydraulic Grout Plant

Requires 2 Supplies 12/15 GPM, 2400 PSI each

97"L x 60"W x 68"H

1,800 lbs

CG600/3X8/EHT

Skid Mounted Electric/Hydraulic Grout Plant

Requires 3 Phase Power, several voltage option available

96"L x 60"W x 72"H

2,600 lbs

CG600/3X8/DH

Skid Mounted Diesel/Hydraulic Grout Plant

Self-contained Unit

121"L X 60"W X 72"H

3,150 lbs

Product Gallery

CG-600/3X8/H



CG600/3X8/A





CG600/3X8/EH

