

# ChemGrout®

## CG-600 Colloidal Series



### Product Page:

<https://www.chemgrout.com/products/colloidal-mixing-equipment/progressive-cavity-grout-pumps/cg-600-colloidal-series/>

## Product Summary

### Product Description

### Download Specification

The ChemGrout CG-600 colloidal series are heavy duty, high volume colloidal mixing grout plants for applications that require colloidal mixing like dams, tunnels, post-tensioning, underground mining and many heavy construction jobs. The ChemGrout colloidal series easily mixes and pumps slurries of neat cement, fly ash, bentonite, microfine cements and lime flour. The CG600 colloidal grout plants are available with an 8 cubic foot (220 Liters) or 13 cubic foot (368 L) colloidal mixer, both are designed to provide a continuous mixing and pumping operation. These units feature a ChemGrout 2X3X6 high shear colloidal mix pump, a 13 cubic foot agitated storage tank (17 CF optional) and a 20 GPM progressing cavity grout pump. The colloidal mixer is equipped with a centrifugal diffuser-type pump rotating at speeds up to 2000 RPM that disperses the cementitious 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 mix pump. 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 size 6, 3 stage progressing cavity, positive displacement,

rotor-stator pump. The rugged steel frame stands up to the toughest conditions on the job site. Operator controls are centrally located for efficient production. All components are easily accessible for operating, cleaning and maintenance.

#### Applications

Tunnels, mining, dam foundations, soil permeation, soil & rock grouting, microfine cements, waterproofing, penetration grouting, soil anchors, soil nails, rock bolts, pile encasements, and post tensioning.

#### Specifications

Colloidal Mixing Tank: 8 or 13 CF (60-97 Gallon)

**Agitated Storage Tank:** 13 CF (97 Gallon)

**Maximum Output:** 20 GPM (77 LPM)

**Maximum Pressure:** 261 PSI (18 BAR)

Requirements, Weights, and Dimensions

#### **Model Number Description Dimensions Weight CG600/3L6/A**

Skid Mounted Air Powered Colloidal Grout Plant

Requires 300 CFM, 100 PSI

90"L x 60"W x 74"H

1,550 lbs.

#### **CG600/3L6/H**

Skid Mounted Hydraulic Powered Colloidal Grout Plant

Requires dual circuit 16/12 GPM, 2000 PSI each

90"L x 60"W x 65"H

1,550 lbs.

#### **CG600/3CL6/EH**

Skid Mounted Electric/Hydraulic Colloidal Grout Plant

Requires 230/460 V, 38/19 A, 3 Phase

90"L x 60"W x 72"H

2,600 lbs.

#### **CG600/3L6/DH**

Skid Mounted Diesel/Hydraulic Colloidal Grout Plant

33 HP Diesel Engine

109"L x 60"W x 72"H

2,750 lbs.

## Product Gallery

# CG600/3L6/EH



