



## CG-500 High Pressure Series



### Product Page:

<https://www.chemgrout.com/products/paddle-mixing-equipment/double-acting-plunger-grout-pumps/cg-500-high-pressure-series/>

## Product Summary

### Product Description

### Download Specification

The ChemGrout CG-500HP series are skid mounted, high-pressure grout plants. These units feature two 70-gallon (265 liters) mixing tanks, a 21-gallon (80 liters) holding hopper and a high-pressure plunger grout pump. The unique double mix tank design permits continuous pumping as each mix tank alternates feeding the pump. Each mixer is equipped with baffles, bag breakers and variable speed high-efficiency paddles that provide rapid mixing. The tank outlets are large slide gates that allow viscous grouting materials to flow quickly into the removable holding hopper. The holding hopper is connected directly to a positive displacement, double acting 3X8 plunger pump that delivers up to 24 GPM, 1,000 PSI. The pump is also available with 2X8 plunger kits that offer a higher discharge pressure of 2,000 PSI with a slightly lower flow rate of up to 16 GPM. The plunger pump is designed for simple conversion between the pressure outputs by purchasing plunger group conversion kits. The pump has patented fasteners that dramatically reduce disassembly time for cleaning and maintenance. Operator controls are centrally located for efficient production.

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"

Air Powered - 16 GPM (60 LPM) Hydraulic Powered - 12 GPM (45 LPM)

2,000 PSI (138 Bar)

3" x 8"

Air Powered - 24 GPM (90 LPM) Hydraulic Powered - 20 GPM (77 LPM)

1,000 PSI (69 Bar)

Requirements, Weights, and Dimensions

### **Model Number Description Dimensions Weight**

CG500/3X8/A

Skid Mounted Air Powered Grout Plant

Requires 250 CFM, 100 PSI

88" L X 34" W X 58" H

1300 lbs

CG500/3X8/H

Skid Mounted Hydraulic Grout Plant

Requires Dual Hydraulic Circuit

Mixers 8 GPM, 1500 PSI, Pump 16 GPM, 2400 PSI

88" L X 34" W X 58" H

1100 lbs

CGPU20/EH3

Power Pack 20 HP Electric/Hydraulic

Requires 3 Phase - Several Voltage Options Available

Varies by voltage

Varies

CGPU27/DHES

Power Pack Diesel/Hydraulic

27 HP Kubota Diesel Engine With Electric Start

74" L X 34" W X 37" H

1032 lbs

## Product Gallery



# CGPU20/EH



# CGPU24/DH

