

**ChemGrout**

# CG-450 High-Shear Colloidal Series

**ChemGrout's CG-450 High-Shear Colloidal Injection Series is specially designed for vacuum grouting of post tensioned cable ducts.**



**CG-450/2L4/A  
Air Powered**



**ChemGrout's high-shear variable speed impeller rotates at up to 3000 rpm.**

The ChemGrout CG450 features a 2L4 progressive-cavity pump capable of a steady 6 gpm and 174 psi.

A 22-gallon, high-shear colloidal mix tank, and a 34-gallon agitating tank constantly feed pump for continuous operation.

Heavy-duty frame and lifting lug stand up to the rugged conditions of post tension grouting.

Power options include air, electric/hydraulic, gas/hydraulic and diesel/hydraulic.

**ChemGrout**

Widest Selection of Grouting Equipment in the World

## CG-450 High-Shear Injection System – Powerful, Durable and Efficient

The ChemGrout CG-450/2L4 are specially designed, skid or wheel mounted, high shear colloidal injection systems designed for vacuum grouting of post tensioned cables ducts or small injection projects. These units are designed to inject PT Cable grouts for small tendons or voids. Materials include Sika 300 PT, MBT 1205 and a wide variety of other PT grouts. This unit features a 20-gallon (76 liters) high-shear colloidal mixing tank, a 2L4 progressing cavity pump, and a 34 gal (128 liter) agitator tank. The mixing tank is equipped with a baffle and a variable speed high-shear impeller, rotating at speeds up to 3000 rpm, providing rapid mixing action. From the mix tank, material flows through a large 4" slide valve, onto a fine mesh screen and into the agitator tank.

The injection pump is a variable speed, positive displacement, progressing cavity pump that delivers up to 6 gpm, 174 psi (22 lpm, 12 bar). This unit can be powered by compressed air, electric/hydraulic, gas/hydraulic or diesel/hydraulic. The rugged steel frame, complete with caster type wheel stands up to the toughest conditions on the job site. All moving parts are covered for safety. Operator controls are centrally located for efficient production.



The CG450 features a 2L4 progressive cavity pump, providing a consistent flow of material.

### Specifications

Progressive Cavity Pump	Colloidal Mix Tank	Agitating Tank	Max. Output	Max. Pressure
ChemGrout 2L4 Grout Pump	20 gallons (76 liter)	34 gallon (128 liter)	6 gpm (22 lpm)	174 psi (12 bar)

### Requirements, Weights and Dimensions

Model Number	Description	Dimensions	Weight
CG450/2L4/A	Skid Mounted, Air Powered, High Shear Colloidal Grout Plant Requires 185 CFM, 100 PSI of compressed air	54" L x 38" W x 59" H	680 lbs
CG450/2L4/EH	Skid Mounted, Electric/Hydraulic Powered, High Shear Colloidal Grout Plant Requires 3 phase power, several voltage options available	54" L x 38" W x 59" H	800 lbs
CG450/2L4/GHES	Skid Mounted, Electric/Hydraulic Powered, High Shear Colloidal Grout Plant Self-contained, Require unleaded gasoline	54" L x 38" W x 59" H	820 lbs
CG450/2L4/DHES	Skid Mounted, Diesel/Hydraulic Powered, High Shear Colloidal Grout Plant Self-contained, Requires diesel fuel	54" L x 38" W x 59" H	850 lbs

### Accessories



Grout Header



Fill-Rite Water Meters

Grout Hose



Flow Cone with Stand



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