

**ChemGrout**<sup>®</sup>

# CG-600 Compact Colloidal Series



**Durable and efficient, the ChemGrout CG-600/8CF offers the advantages of high-efficiency colloidal mixing in a compact package.**

**CG600/8CF/3L6/A**  
**Air Powered**



ChemGrout's "Turbomix" significantly reduces mix time, enhancing flow rate and maximizing jobsite operation.

Designed to meet the high-shear colloidal mixing standards specified by a growing number of industries.

Mixer, holding tank and pump are mounted in one compact package for quick, easy set-up and immediate operation.

ChemGrout's patented 3L6A closed throat progressive cavity pump delivers a steady, non-pulsating output of material.

Compact design transportable by standard size pick-up truck.

**ChemGrout**<sup>®</sup>  
Widest Selection of Grouting Equipment in the World



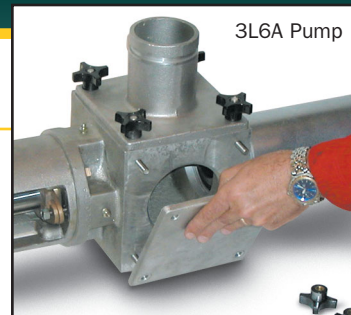
## CG-600 Colloidal Series - Durable, Compact and Efficient

ChemGrout continues to exercise its more than 40 years of experience to help insure jobsite success. The CG600/8CF combines the latest advances in colloidal grouting in a compact design. These field proven grout plants feature ChemGrout's 8 cubic foot capacity "Turbomixer", along with a rotating bridge breaker, nine cubic foot capacity vertical shaft paddle agitator, and a 3-stage size 6 closed throat progressive cavity pump. Mixer and pump are mounted on a single skid (transportable by pick-up truck) for quick, easy set-up and immediate operation.

The specially designed tanks and pumps make the ChemGrout Compact Colloidal Series both efficient and cost-effective. Water and solid materials are drawn through the high-speed diffuser type pump rotating at speeds of up to 2,000 RPM to prevent flocculation and achieve complete particle wetness. Mixing time is significantly reduced by the high shear action of the colloidal mixing pump, aided by a unique powered bridge breaker device to enhance induction. These high shear colloidal mixers have been shown to increase apparent fluidity of slurry mixes by 20% over paddle mixers, an important advantage for

dam, rock and soil grouting where the ability to penetrate tight formations is necessary. For very sensitive applications such as post tension grouting, the highly efficient colloidal mixer makes possible water to cement ratios down to 0.35 by weight, resulting in very high strength grout with little or no bleed water release. After mixing, the material is transferred to the variable speed, high efficiency, agitated holding tank that maintains uniform consistency in preparation for pumping.

The CG600/8CF Colloidal Series utilizes ChemGrout's patented 3L6A lightweight non-pulsating progressive cavity pump to provide a constant discharge of material. Accessibility is the key to its specially engineered suction housing that allows immediate access to all four sides. Simply loosening a series of thumbscrews quickly provides the operator unrestricted access without the use of tools. The high performance, low maintenance 3L6A is just another example of what helps make ChemGrout the industry standard for colloidal grouting.



### Specifications

Pump	
Pump	Size 6, closed throat, progressing cavity
Maximum Output/Pressure	20 gpm (76 lpm) / 261 psi (18 bar)

Colloidal Mixer	
Mix Tank	8.0 cf w/bottom cleanout
Mixing Pump	2 x 3 x 6 diffuser - type centrifugal
Holding Tank	9.0 cf paddle agitated

CG600/3L6 Skid Pw	Requires	Weight	Size
Air	250 cfm, 100 psi	1190 lbs	88L x 34W x 59H
Hydraulic	20 gpm, 2000 psi	1150 lbs	88L x 34W x 59H

Pwr. Packs	Power	Weight	Size
Electric/Hyd-3Phase	Several voltages	Varies	Varies by Voltage
Diesel/Hydraulic	24HP Diesel/elec.start	1750 lbs	74L x 34W x 37H



ChemGrout CG600/8CF/H



Power Pack Options  
CG-PU24/DH and CG-PU/EH



Dam Restoration



Anchors



Tie Backs



Post Tensioning

### Applications include:

Post-Tensioning, tunnels, shafts, mining dam foundations, permeation grouting, soil and rock grouting, slurry walls, microfine cements, penetration grouting, waterproofing, soil anchors rock bolts, soil nails, tie backs, earth anchors, slab undersealing and contact grouting.

# ChemGrout®

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