

The complete line of ChemGrout products

# ChemGrout®

Widest Selection of Grouting Equipment in the World



[www.chemgrout.com](http://www.chemgrout.com)

**Heavy Construction**  
**Mining**  
**Geotechnical**  
**Building Construction**

**Restoration Repair**  
**Highway**  
**Municipal**  
**Maintenance/Plant**



## There's no substitute for experience.

For more than 50 years, ChemGrout has manufactured the world's largest selection of grouting equipment. Based in LaGrange Park, Illinois, ChemGrout offers both colloidal and paddle type grout mixers, as well as a variety of grout pumps, including piston, plunger and progressing cavity. The concepts of mixer-pump balance, user-friendly operation and ease of maintenance are emphasized in the design of our grouting systems. Enough technology is incorporated to maximize efficiency, yet not so much as to compromise ease of operation or maintenance.

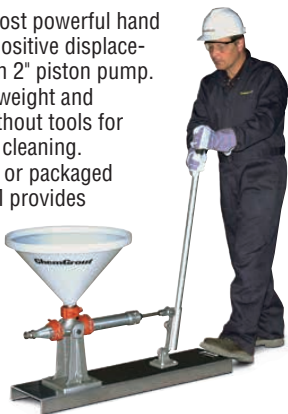
Complete integrated mixing and pumping units are available in a variety of power options, including air, hydraulic, electric, electric/hydraulic, gasoline and diesel/hydraulic. All of our grout plants are offered skid mounted, with many available in a trailer version. To assist you in finding the grout plant that best fits your needs, we have provided a five step process, as well as a selection guide on the back cover.

Using proven methods, along with unique and innovative features, ChemGrout remains an industry leader for the equipment you can count on.

### Mini-Series

#### CG-050M Hand Grout Pump

The industry's most powerful hand pump utilizes a positive displacement hand-driven 2" piston pump. It's rugged, lightweight and disassembles without tools for fast and efficient cleaning. For sand/cement or packaged grouts, the 050M provides injection pressures of more than 200 psi (14 bar). Net Wt. 52 lbs. (23.6 kg).



#### CG-050 Mini Grout Pump

Max. output 5 gpm (19 l/m); max. pressure 225 psi (16 bar); max. pressure 400 psi (28 bar) for hydraulic model. Pumps a bag of non-shrink grout per minute. Positive displacement 2" piston pump delivers sand/cement or packaged grouts. For small volume grouting in construction, maintenance & mining.



#### CG-550P Mini Grout Pump & Mixer

Max. output 5 gpm (19 l/m); max. pressure 225 psi (16 bar). Features the CG-050 2" piston pump. Mixes and pumps sand/cement or packaged grouts. Large 34 gal. (128 l) mixing tank offers easy, continuous pumping. Net Wt. 300 lbs. (136 kg). Drive power — air, hydraulic.



### Rugged Series

#### CG-550/030 Rugged Series

Max. output 16 gpm (60 l/m); max. pressure 550 psi (38 bar). Powerful 3" piston pump allows single operator to mix and pump cement, bentonite and cement/sand slurries. Applications include well casings, void filling, underground pipe installation, slab jacking, restoration, pavement repair, soil & slab stabilization and self-leveling underlayments.



#### CG-555/030 Rugged Trailer



### Workhorse Series

#### CG-550/C4 Workhorse Series

Max. output 8 gpm (30 l/m); max. pressure 174 psi (12 bar) or optional 261 psi (18 bar). Mixes & pumps cement, flyash, bentonite and sand, packaged non-shrink grouts and underlayments. Utilizes C4 progressing cavity pump. Consistent flow, with variable output from 0.5 gpm (2 l/m) to 8 gpm. One man operation.



#### CG-555/C4 Workhorse Trailer



## Colloidal Series

ChemGrout offers a wide variety of custom systems to fit the special requirements needed today for many unique applications. Please call us for information and pricing.

### CG-600 Colloidal Series

Max. output 20 gpm (76 lpm); max. pressure 261 psi (18 bar). Combines the latest advances in colloidal mixing and meets the high-shear mixing standards required by a growing number of industries. Process reduces mix time and increases fluidity, both important factors in dam, rock and soil grouting. The high strength benefits of the colloidal process are also necessary for sensitive applications such as post-tensioning.



### CG-680 High Capacity Colloidal Series

Max. output 23-46 gpm (174 lpm); max. pressure 261 psi (18 bar). High capacity colloidal grout plant is specially designed for large, heavy construction projects. Mixes and pumps slurries of cement, fly ash, bentonite and lime flour. Commonly used in tunneling, mining, dam foundations, soil compaction and encasements. Units feature both a 17 cubic foot colloidal mixer and agitating storage tank.



### CG-620 Colloidal Mixer

The CG-620 is a skid mounted, stand-alone colloidal mixer, used with other ChemGrout agitating/pumping equipment. Featuring ChemGrout's "Turbo-Mix" colloidal mixing pump, the CG-620 is available in 8, 13 and 17 cubic foot sizes.



### CG-680/3.5X8 High Pressure Colloidal Series

Max. output 32 gpm, (120 lpm); max. pressure 1,500 psi (103 bar). High Pressure colloidal grout plant is ideal for heavy construction projects such as foundations, tunnels, mining and anchors. Cement slurries, bentonite, fly ash and lime flour are commonly used. Units feature 17 cubic foot colloidal mixer, 17 cubic foot agitating tank and high capacity, double acting plunger pump.



## Accessories



Heavy Duty Grout Hose



Fill Rite Water Meter



Water Batcher



Protected Pressure Gauge



Multi-Purpose Spray Wand



Mechanical Surface Packer



Hand Mixer

## How to Select a Grout Plant:

### Step 1:

Identify your application and determine the materials required.

### Step 2:

Determine the maximum flow rate (GPM) and grouting discharge pressures (PSI) needed for your application.

### Step 3:

Select a grout pump based on flow rate and pressure requirements.

050 Piston Pump 2" = 5 GPM, 225 PSI

030 Piston Pump 3" = 16 GPM, 550 PSI

031 Piston Pump 3" = 24 GPM, 550 PSI

C4 Progressive Cavity Pump = 8 GPM, 174/261 PSI

C6 Progressive Cavity Pump = 20 GPM, 174/261 PSI

Plunger Pump = 12-32 GPM, 1000, 2000 PSI

### Step 5:

Select a mixing system.  
(example: CG-500/3C6/A)

Paddle Mixer  
(model numbers starting with . . . CG-5)

Colloidal Mixer  
(model numbers starting with . . . CG-6)

### Step 4:

Select a power system.

A = Air

H = Hydraulic

EH = Electric/Hyd.

GH = Gas/Hyd.

DH = Diesel/Hyd.

**ChemGrout®**





## Thick-Mix Series

### CG-570/C6 Thick-Mix Series

Max. output 8 gpm (30 lpm); max. pressure 580 psi (40 bar). Mixes, pumps or sprays thick to thin materials including non-sag repair mortars, plasters, stuccos, fireproofing, waterproofing, bentonite and cement/sand grouts. Utilizes C6 progressive cavity pump.



### CG-575/C6 Thick-Mix Trailer



## Thin-Mix Series

### CG-550/L4 Thin-Mix Series

Max. output 8 gpm (30 lpm); max pressure 174 psi (12 bar) or optional 261 psi (18 bar). This efficient grouter mixes and pumps cement, cement/bentonite and cement/flyash mixes. A single operator can mix and pump providing a non-stop discharge of material. Ideal for well grouting. Uses L4 progressive cavity pump.



### CG-555/L4 Thin-Mix Trailer



## Geotech Series

### CG-500/031/GT High-Capacity Geotech Series

Max. output 24 gpm (90 lpm); max. pressure 550 psi (38 bar). The versatile CG500/031 Geotech Series pumps bentonites, neat cement and the latest geothermal grouts. Two large 70-gallon mix tanks and a 45-gallon holding hopper permits continuous output, as each mix tank alternates feeding the pump. Utilizes powerful 3" single action piston pump. Series is available with a single or double mix tank design and a choice of several power options.

\* Models shown with optional water batcher



### CG-555/031/GT Geotech Trailer



## Versatile Series

### CG-500/C6 Versatile Series

Max. output 20 gpm (76 l/m); max. pressure 174 psi (12 bar) or optional 261 psi (18 bar). Twin 70-gallon mix tanks on a single skid provide high volumes & continuous mixing for a wide range of applications. Mixes and pumps neat cement or sand/cement up to 2:1 ratios. Uses C6 progressive cavity pump.



### CG-500/C6 Versatile Grout Plant



**Sprayer/Finisher Series****CG-502/C4  
Sprayer/Finisher**

Max. output 10 gpm (38 lpm); max. pressure 174 psi (12 bar) or optional 261 psi (18 bar). Low profile design for surfacing, finishing/coating floors, walls and ceilings. Mixes and pumps self-leveling underlayments or sprays cementitious materials. Features twin 45 gallon mix tanks and C4 progressing cavity pump.

**CG-502/030  
Multi-Purpose Grouter**

Maximum output 12 gpm (45 lpm), 550 psi (38 bar). Ideal for higher output, multi-purpose grouting applications. Handles a wide variety of materials ranging from fluid slurries to repair mortars. Features two 45 gallon mix tanks and 3" single acting piston pump.

**High Pressure Series****CG-500HP High Pressure Series**

Series features a double acting high pressure plunger pump available in 2 sizes. 2X8=15 gpm, 2000 psi, 3X8=20 gpm, 1000 psi. Unique pump design allows operator to customize discharge with an optional conversion kit. Perfect for cement slurries. Available in several power options.

**CG-600HP  
High Pressure  
Colloidal Series**

Series features same double acting high pressure plunger pump as CG500HP with the advantages of colloidal high shear mixing. Standard machines utilize 13 cubic ft. colloidal mixer and 13 cubic ft. agitating storage tank. Commonly used for foundations and tie backs.



\* Shown with optional water batcher

**High-Pressure Series****CG-580 High-Pressure Series**

Max. output 44 gpm (166 lpm); max. pressure 1,200 psi (80 bar). A high output, high pressure skid mounted grout plant that mixes and pumps neat cement, bentonites, lightly sanded grouts and most commercial pre-blended non-shrink grout mixes. Unit features two 128-gallon (480 liters) mixing tanks, a 30-gallon (118 liter) holding hopper and a 3.5X8 double acting plunger pump. Rugged steel frame includes collapsible worker's platform.

\* Shown with optional water batcher

**Cable & Rock Bolt Series****CG-542 Mining Grouter**

Max. output 3.5 gpm (13 lpm); 522 psi (36 bars). Low profile design ideal for a wide variety of mining and tunneling applications including rock bolts and cable stays. Mixes and pumps thicker grouts with low w:c ratios.

**High-Capacity Series****CG-580 High-Capacity Series**

Max. output 44 gpm (166 lpm); max. pressure 261 psi (18 bar). Mixes and pumps high volumes of material for a wide variety of applications. Unit features two 128-gallon (480 liters) mixing tanks, a 30-gallon (118 liters) holding hopper and your choice of 2J8 open throat or 3L8 progressive cavity grout pump. Rugged steel frame includes collapsible worker's platform and is available in several power options.

**Utiform Quattro**

Max. output 13 gpm (49 lpm); max. pressure 450 psi (31 bar). Self-contained with its own water pump, the wheel mounted Quattro delivers a steady, non-stop material flow for a variety of applications. Compact design allows easy movement through standard size doorways for access to the job site. Progressive cavity pump is ideal for cementitious grouts and self-leveling underlayments. Electric - requires 440V, 20A, 3-phase.





# Grouting Equipment Selection Guide

Market Segments	Applications															SPECIALTY				COLLOIDAL				Materials
		050	090HP	550P	502/030	502/2C4	Rugged 550/030	Rugged 550/030/HP	Workhorse 550/2C4	Thin-Mix 550/2L4	Geotech-Mix 570	Versatile 500/550	500HP	580 High Cap.	380HP	400	450	542	Quattro 600	600HP	620/630	680 High Cap.	680 HP	
Heavy Construction	soil & rock																							cement, cement/sand,** bentonite mixes
	void filling/waterproofing																							
	anchor, cable, rock bolts																							
	Dams																							
	Tunnels																							
	Shafts																							
Mining	tie backs																							cement, cement/sand, mortars
	foundation, soil, building stabilizing																							
	marine/underwater																							
Geotechnical	high pressure																							cement, cement/sand, bentonite mixes
	anchor, rock bolts																							
	spraying																							
Environmental Remediation	geothermal																							cement, cement/sand, bentonite mixes
	well casings																							
	abandoned shafts/holes																							
Building Construction	in-situ injection																							ORC, HRC, Permanganate
	biological & chemical injection																							
	post tension																							
Restoration Repair	hollow metal filling-windows/doors																							cement, cement/sand, ** premixed grouts
	precast																							
	machine/column base																							
Highway	spraying																							cement, cement/sand, premixed grouts, fireproofing, EIFS coating mortars, plasters/stuccos underlayments
	underlayments																							
	waterproofing walls																							
	topping/bonded overlays																							
	undersealing/slab raising																							
Municipal	undersealing																							cement, cement/sand, cement/flyash, premixed grouts, manhole relining
	slab raising																							
	manhole relining																							
	bridge rehab																							
	undersealing																							
Municipal	slab raising																							cement, cement/sand, cement/flyash, manhole relining
	manhole relining																							
	manhole relining																							

\* HP Pumps can be teamed with ChemGrout mixers including 500HP or 620, 630 colloidal mixers

\*\* Sand must be added at agitator with colloidal units

# ChemGrout®

**Widest Selection of Grouting Equipment in the World**

ChemGrout, Inc., P. O. Box 1140, LaGrange Park, Illinois 60526 U.S.A.

Phone: 708/354-7112 • Fax: 708/354-3881

[www.chemgrout.com](http://www.chemgrout.com)