

## CG-500 HP Series High Pressure Grout Plant



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 liter) holding hopper and a high-pressure plunger grout pump.

The unique double mix tank design permits continuous pumping as each mix tank alternately feeds 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 double acting, positive displacement plunger pump that is available in three configurations, 3x8, 2x8 and 1x8, offering discharge pressures of 1,000 psi, 1,600 psi and 2,000 psi respectively.

The plunger pump is designed so that conversion between the pressure outputs is quick, easy and cost effective.

The pumps' patented fasteners dramatically reduce disassembly time for cleaning and maintenance.

Operator controls are centrally located for efficient production.



# CG-500 HP Series

## High Pressure Grout Plant

### Applications include:

**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 under-sealing, 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

**Geo technical** - deep well casing, monitor wells, well sealing and abandonment.

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 20 GPM, 2000 PSI	88" L X 34" W X 58" H	1100 lbs
CGPU15/EH3	Power Pack 15 HP Electric/Hydraulic Requires 230/460 V, 38/19 A, 3 Phase	44" L X 32" W X 38" H	450 lbs
CGPU18/GHES	Power Pack Gas/Hydraulic 18 HP gasoline engine with electric start	44" L X 32" W X 35" H	425 lbs
CGPU20/DHES	Power Pack Diesel/Hydraulic 20 HP diesel engine with electric start	44" L X 32" W X 38" H	525 lbs

### Pump Specifications

Pump Size	Maximum Output	Maximum Pressure
1" x 8"	10 GPM (38 LPM)	2,000 PSI (138 BAR)
2" x 8"	15 GPM (58 LPM)	1,600 PSI (110 BAR)
3" x 8"	20 GPM (77 LPM)	1,000 PSI (69 BAR)