



Grouting Accessories & Pumps

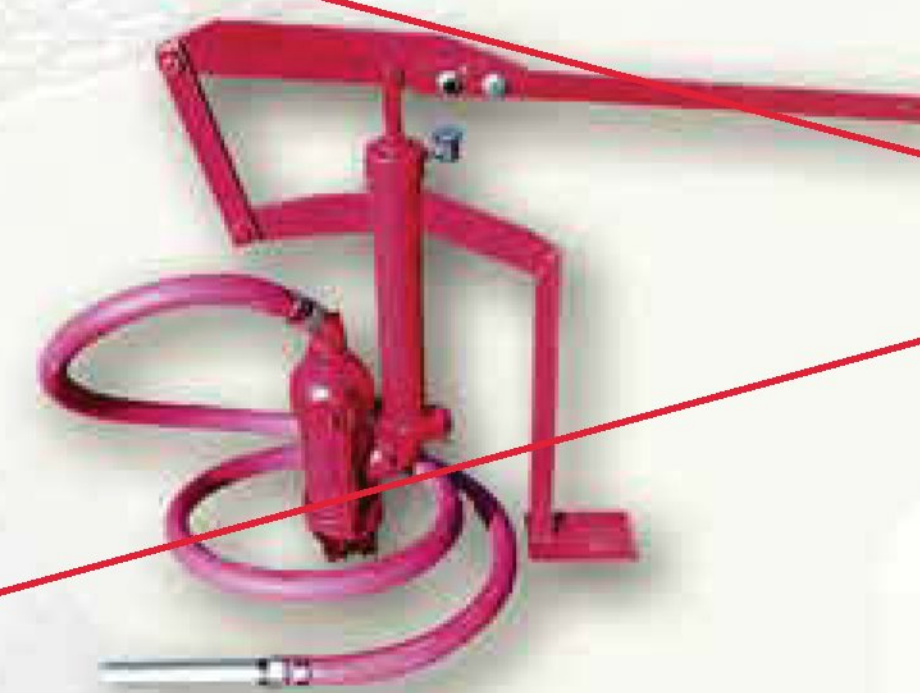
Grout Socks ←

What was once considered to be an impossible anchorage is made easy with a practical solution from Williams. For difficult bonding applications such as anchors in weak coral, sandstone, highly fractured rock, underwater holes and in artesian water conditions, we place Grout Socks on our grout bonded anchors to prevent grout loss due to permeation or washing away by flowing water. The socks are individually manufactured to be a minimum of 1" larger than the drill hole diameter, allowing the sock to expand into the deformations in the drill hole wall, and in many cases providing the only means to achieve a mechanical bond. In some geotechnical conditions, designers should be aware that Grout Sock may adversely affect the bond strength between the grout and ground. Williams recommends that a testing program be implemented to determine actual bond stress values for elements installed with grout socks.



Super Plasticizer

Plasticizer is available and is used as a water reducer for ease of pumping grout through tubes at lower water to cement ratios.



T6Z-04 Hand Pump

2 stroke position, piston driven pump. Pump cement grout only, no sand. Use of plasticizer is recommend with hand pumps.

Approximate size: 30-3/4" high
24-1/4" wide
35" high with handle
Weight: 60 lbs. (Dry weight)
Outlet capacity: 40 psi average,
80 psi maximum



T6Z-08 Air Pump Or similar

Pumps cement grout only, no sand. 32 Gallon Mixing Tank. Mixes up to 2 sacks of material at once and allows for grout to be pumped during mixing or mixed without pumping.

Weight: 560 lbs.
Dimension Size: 50" long
30.5" wide
52" high
Production Rate: 8 gallons per minute at 150 psi

Colloidal Grout Plant

The heavy duty, high volume Colloidal Grout Plant is favored for precision grouting. The unit features a high speed shear mixer that thoroughly wets each particle and discharges the mixed material into a 13 cubic foot capacity agitating holding tank. A direct coupled progressing cavity pump delivers slurries at a rate of up to 20 gpm and pressures of up to 261 psi. The unit easily mixes and pumps slurries of Portland cement, fly ash, bentonite, and lime flour. All controls are conveniently located on the operator platform for easy one-man control.



Pump

Pump Type: 31.6 progressing cavity
Output/Pressure: variable up to 20 gpm, 261 psi

Colloidal Mixer

Mix Tank: 13.0 CF with bottom clean out
Mixing Pump: 2 x 3 x 6 diffuser-type centrifugal
Holding Tank: 13.0 CF paddle agitating

Drive Power

Air: 300 CFM, 100 psi

Physical Specifications

Dimensions: 96"L x 60"W x 63"H
Weight: 1800-2800 lbs.