

CHEMICAL GROUTING

Test & Seal Systems

See what you're missing.

A soil sealing process for sewer main joints and service lateral connections

Aries is the leading manufacturer of standard and custom built chemical grouting systems to halt ground water infiltration into sewer mains and at lateral connections.

Ground water infiltration into sewer systems is a major problem for many municipal sewage treatment plants requiring unneeded treatment of hundreds of millions of gallons of diluted sewage per year.

Exfiltration of sewage from the pipe can, on the other hand, lead to contamination of storm sewers and groundwater. To address these concerns, Aries' systems offer unparalleled performance and productivity, providing the ideal solution for efficient usage of grout sealing materials.



FAST & ACCURATE

- » Simple, push-button operation reduces test and seal time
- » Continuous duty chemical mixers
- » High-power winches move the packer between joints quickly
- » Pressure transducer and grout totalizer monitor grouting operation

INDUSTRIAL COMPONENTS

- » 800' grout hose
- » Operates lateral and mainline packers
- » Optional manhole grouting package
- » Large capacity tanks and mixers

CUSTOMIZABLE

- » Multiple potential operations include grouting, CCTV inspection, lateral inspection, and cutting
- » Special design packages for extreme climates - warm or cold
- » Truck or trailer options available

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Chemical Mixing Tanks

Diesel Generator

Grout Panel

Triplex Piston Pumps

System Control Room

Cold Weather Doors

Aries Grouting Systems Features:

- » Fast Test and Grout Cycles are achieved with simple push-button operation. Air regulators allow unrestricted air flow to ends, void and sleeve elements reduce time to test and seal joints and service connections.
- » Easy grouting operations with clean logical layout and clearly labeled controls.
- » Grout volume in gallons/liters pumped displayed on grout panel totalizer for simple record keeping and data capture.
- » Electric CAT Triplex pumps feature high-volume, variable speed motors. Adjustable bypass pressure regulation allows operator to effectively perform all manhole and joint sealing operations independent of air compressor capacity.
- » Easy-to-read gauges inform operators regarding flows and pressures ensuring accurate and productive grouting.
- » Grout systems outfitted with five part penta hose ready for mainline or lateral service connection grouting.
- » 800' hose provides for multiple run setups from a single entry point, reducing setup/breakdown time and increasing productivity.
- » 70 gallon grout mixing tanks allow more work time providing volume to mix a new batch of chemical while continuing to operate, increasing the capability to seal larger diameter pipe and lateral connections.
- » Industrial stainless steel chemical mixers on each tank provide fast, efficient mixing operations.
- » Consistent, optimal power is provided with ample size on-board power generators, air compressors and vacuum pumps.
- » Equipment and control room areas can be set up for work in all weather conditions. Optional winter work doors, propane heaters and other climate-specific design features available.
- » Meets equipment requirements of ASTM standard practices for chemical grouting of Mains (ASTM F: 2304-3), Laterals (ASTM: 2454-05) and Manholes (ASTM: F2412-04).

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