



TEST & SEAL

Chemical Grouting System



SEWER



GAS



WATER



ELECTRIC



GEOPHYSICAL



CHEMICAL GROUTING SYSTEMS

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 for stopping water infiltration into sewer mains and at lateral connections in underground pipes. You can achieve a 20% - 30% reduction in grout consumption and 40% - 80% increase in the number of joints sealed per day with Aries Test and Seal Systems

Ground water infiltration into sewer systems is a major problem for many municipal sewage treatment plants requiring unneeded treatment of tens of thousands to 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. The cost impact of treating this ground water infiltrating into sewer systems can be dramatic.

DESIGNED FOR USE IN THESE INDUSTRIES: **SEWER**

Ask an Aries representative for details specific to your company's unique needs.

Aries Industries

FOCUSED ON THE WORLD'S UNDERGROUND INFRASTRUCTURE
Remote Inspection System Development, Supply & Support.



TEST & SEAL

Chemical Grouting System



Chemical Mixing Tanks



Diesel Generator



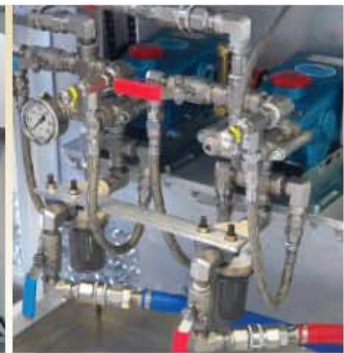
Grout Panel



Cold Weather Doors



System Control Room



Triplex Piston Cat Pumps

ARIES GROUTING SYSTEMS

Engineered for Reliability and Productivity

Benefits

- Fast Test and Grout Cycle is achieved with simple push button operation. Air regulators allow unrestricted air flow to ends, void and sleeve elements reducing time to test and seal joints and service connections.
- Easy grout operation is achieved with clean logical layout and clearly labeled controls.
- Grout volume in gallons/liters pumped displayed on grout panel totalizer for simple record keeping and feeds to data system
- Electric Cat triplex pumps - Variable speed electric motor driven CAT triplex pumps with adjustable bypass pressure regulation meet all pipeline and joint sealing situations. NO loss of grout flow and pressure when air pressure runs down.
- Grout pumps meet pressure and flow requirements for all applications and are confirmed by discharge pressure gauges on pumps and Test and Seal Control Panel.
- Grout systems outfitted with five (5) part penta hose that is ready for mainline and lateral service connection grouting.
- 650' 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 lines and laterals connections.
- Consistent reliable power is provided with ample sized on-board power generators and air compressors and vacuum pumps sized for optimal performance.
- Equipment and control room areas are set up for work in all weather conditions with heating and cooling for all climates, with optional winter work doors, propane heaters and other features that allow work in any situation.
- 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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