Rehab News

Janssen Lateral Renovation Demonstrates Technology

Umwelttechnik Franz Janssen GmbH reports its first success in the U.S. market. On behalf of their U.S. partners, The Janssen Process Company, the sewer rehabilitation specialist from the Lower Rhine developed a new and innovative technology for the trenchless renovation of small sewer pipes, which they demonstrated to several U.S. municipalities. This technology also has proved beneficial to both the German and European markets.

Janssen developed the resin-injection technology for sewer pipes with a diameter of eight inches, including relined pipes, where the diameter is reduced to 7¼ inches. The new lateral packer can be used in small diameter pipes up to 7¼ inches, where it's too small for conventional packers and rehabilitation robots to enter. Most off-sets in the pipe do not pose a problem for the Janssen packer because the exterior diameter is not even 5 ¾ inches when it is not pressurized.

The Janssen Process seals the damaged lateral from the inside-out. The exact coordination of material and technology ensures that the process leads to excellent results even in cases of ground water ingress or cracks and shards. The material is not washed out when it's injected, yet it is still viscous enough that any cracks are sealed at the same time.

Janssen GmbH demonstrated its technology in the sewer lines of seven different U.S. municipalities in the Atlanta, Washington and Baltimore areas with positive results.

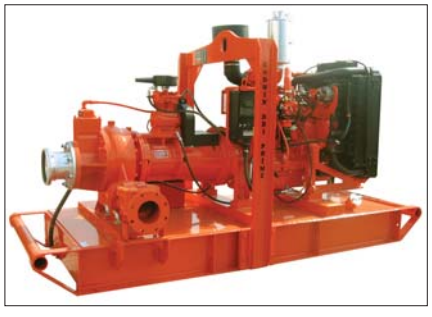
Left: *First success in America: Umwelttechnik Franz Janssen GmbH from Goch at the Lower Rhine in Germany, demonstrated their new technology in the United States. A novel packer design now makes it possible to rehabilitate 8-inch sewer pipes even after they have been relined.* ***Right:*** *Opening of a rehabilitated lateral: The Janssen lateral repair process was extensively tested in Littleton, NC, with great results confirming the efficiency and the economics of this novel process.*

The Janssen Process also has been successful in the city of Littleton, NC. When the repaired laterals were dug out, it became visible how effectively the damaged areas had been repaired while voids in the bedding were filled at the same time.

For further information, visit www.janssen-umwelttechnik.de or for the U.S., visit www.janssenprocess.com.

Product Focus

BYPASS PUMPING



Godwin Pumps

The new, three-inch solids handling 4-inch x 4-inch CD140M and 8-inch x 6-inch CD180M portable diesel pumps offer both elevated heads and solids handling capabilities without sacrificing flow rate. The CD140M pump achieves total dynamic heads to 280 feet, solids handling to three inches in diameter and flows to 1,100 gpm. The CD180M pump achieves total dynamic heads to 260 feet, solids handling to three inches in diameter and flows to 2,000 gpm. Available with John Deere, Caterpillar or any customer-specified diesel engine or with an electric motor, the CD140M and CD180M pumps are automatic self-priming Dri-Prime pumps with the ability to prime and re-prime from dry. Featuring an oil bath mechanical seal, the pumps run dry without damage and are ideal for intermittent flow conditions associated with bypass pumping and backup municipal lift station applications. (856) 467-3636, godwinpumps.com

Rain for Rent

The DV 150i 6-inch pump is designed to reduce operator maintenance costs for bypass and dewatering projects. With superior fuel efficiency, this pump is able to move more gallons of water at a lower cost. The high

efficiency impeller offers improved solids handling and greater suction lift capabilities. The DV 150i can handle solids up to 3 inches, flows up to 2,600 gpm, and head up to 195 feet. Mounted on galvanized trailers to protect against rust and corrosion, this equipment has a maintenance-free surface. (800) 742-7246, rainforrent.com

Thompson Pump & Mfg.

The JSC Series Solids Handling ENVIROPRIME pump has a heavy-duty cast-iron construction and ability to dry-prime and re-prime automatically. This model is ideal for sewage bypass and general construction dewatering applications. The 6-inch pump is designed for flows to 2,500 gpm, maximum heads to 195 feet, and can handle solids up to 3 inches. This pump also features the ENVIROPRIME compressor-assisted dry priming system which prevents blow-by, such as sewage and waste, from discharging onto the ground, making it environmentally safe. The sturdy, weather resistant, sound attenuated Silent Knight canopy is also available on Thompson's JSC series and allows the pumps to operate at 67dBa. (386) 944-4114, thompsonpump.com

The Gorman-Rupp Co.

The model PA6C60-4045T-ESP offers high performance, sound attenuation and an environmental containment base. It has flow rates up to 2,750 gpm, heads up to 200 feet and can handle 3-inch solids. The pump has the ability to run dry indefinitely with no damage. The environmental base contains all fuel and engine liquids that could otherwise leak directly onto the ground during an accident. This model is designed for sewer bypass pumping or applications that require sound attenuation. (419) 755-1011, grpumps.com

Holland Pump

PT6TPA featuring a 50 cfm water tolerant, diaphragm vacuum pump, uses an automatic dry priming and re-priming system providing three times more priming power. The PT6TPA uses an enclosed 2-vane impeller and easily handles up to 3-inch diameter solids. Shut-off head for the PT6TPA is 140 feet with a maximum pumping capacity of 1,300 gpm. Eliminate unknown pump shutdowns with the Holland Automatic Notification System (HANS). HANS monitors pumping application 24/7 sending notification alerts via digital pager or cell phone. HANS monitors fuel level, fuel filter, air filter, engine temperature, oil pressure, as well as other gauges when applicable. HANS Pump Monitoring System comes standard on all rental units. (912) 466-0304, hollandpump.com