

Flexible Pipe-To-Manhole Connector Available For Oil-Resistant Applications



PSX:DIRECT DRIVE NITRILE from Press-Seal Gasket offers hydrocarbon resistance for applications where there are known or suspected contaminated soils or effluent streams, such as landfill sites, petroleum, storage, processing or refining areas, and other commonly contaminated areas. In addition to resistance to common hydrocarbons, PSX:DIRECT DRIVE NITRILE also offers improved resistance to mixed contaminated chemistries.

PSX:DIRECT DRIVE NITRILE was developed specifically to meet the need for a high-performance flexible pipe-to-manhole seal for sanitary and stormwater systems where contact with hydrocarbon contamination is a concern. It meets all of the performance and physical property require-

ments of ASTM C 923 (for flexible pipe-to-manhole connectors for bury depths to 30 feet), as well as the oil-resistance requirements of ASTM C 443 (for oil-resistant gaskets). It is available for most common pipe sizes from 1 1/2-inch through 15-inch diameter. 800.348.7325, press-seal.com

Coast Digger Finds Solution To Drilling Fluids Disposal

Like horizontal directional contractors in the United States, Coast Digger Services in New Zealand is dealing with difficult disposal issues regarding drilling spoils. In the past, the company would dispose of slurry using vacuum trucks and landfills, but fewer landfills are willing to accept



drilling spoils in the Auckland region, and round-trip time for vacuum trucks to dispose of liquid waste is about three hours. Using the PITDRY solidification reagent made by CETCO Drilling Products and a PDM-300 (PITDRY mixing unit) manufactured by Surface to Surface, Coast Digger

Services was able to reduce the round-trip disposal hauling time to less than one hour, utilize dump trucks which operate at a lower hourly rate than vacuum trucks, while eliminating landfill tipping fees.

Because the PITDRY solidification system works by absorbing free liquids contained in the drill spoils, the higher the solids content of the material to be disposed, the lower the dosage of the PITDRY reagent required for disposal (clear water requires a dosage of approximately 2 percent PITDRY by weight). Preliminary bench testing of the slurry produced on the project determined that a 0.5 percent dosage (by weight) of the reagent was sufficient to solidify the material.

Sam Rowdon, contract engineer for Coast Digger, said they utilized their TriFlow drilling fluids recycling system with 40-mesh screens as a scalping system to remove large rocks and debris from the slurry to prevent plugging the filters of the PDM-300, as well as to 'circulate the slurry to keep it in a homogeneous state.' Another benefit of the on-site solidification process was that Coast Digger was able to combine the solidified slurry with topsoil, which was then used by the primary contractor to backfill trenches. 800.527.9948, cetco.com

Radius HDD Tools



There is a Radius bit for all sizes of HDD rigs from 10K to 200K. Standard API threads allow easy connection to patent pending "Lock & Load" sonde housing and existing sonde housings on the market. As a thread on tool, the Radius bit design follows the centerline of the drill pipe and housing, offering a smooth cutting action with greater control. A secondary crown supports the cutting teeth in tough conditions when leveraging loads are placed on the shank of the teeth. As part of the unique cutting geometry of the Radius rock bit, the raised rear wear pad offers two primary features. Since the cutting action centers on the axis of the pipe, the raised pad keeps the cutting teeth perpetually "in the cut," offering greater control and steering than older "chop and flop" style bolt on rock bits. Also, the carbide-studded pad further grinds the cuttings to a more "floatable" size resulting in easier spoil removal and a cleaner hole. The pad keeps the main body of the bit away from the walls to help minimize premature wear. 800.892.9114, radiushdd.com

ASV Inc.

The PT-60 Rubber Track Loader is a mid-sized 60-hp loader that runs on ASV's patented rubber track undercarriage for better performance in wet, soft or slippery conditions. The PT-60 replaces ASV's RC-60 Rubber Track Loader. The new machine now includes a high-performance two-speed





Spray Foam System Makes Trench Breaker Construction Fast, Easy

In pipeline construction, the risk of corrosion calls for regular monitoring and maintenance of pipelines. Typically, sand bag trench breakers are erected to prevent soil erosion in mountain areas. While they perform the job well, this type of construction is back-breaking, man-hour intensive and can prove difficult, with delays often occurring.

Breakers constructed from a heated polyurethane foam system, Magnum, created by Fomo Products Inc. offers a faster and easier approach while allowing jobsite portability. The Magnum Heated System includes a two-component system housed in a two-ton truck, and a length of hose up to 150-feet long with an application gun. Using one truck and a single Magnum system, contractors can build 12 breakers compared to two breakers using one truckload of sand bags.

To allow the free flow of electric charge used to cathodically protect the pipe's metal, Fomo's system also includes newly developed low-density foam that allows the passage of electrical charges, and is applied around the pipe. The high-density foam is then applied on top of the low-density foam and used to build the rest of the breaker.

A typical sand bag trench breaker requires 12 truckloads of 50-pound bags and a team of four to six men to unload and build the breaker.

Joel Richmond, chief inspector, engineering and construction, for Columbia Gas Transmission, and his team, selected Fomo's system for their work on the Columbian Millennium project that involves upgrading existing pipelines. He believes that Fomo's polyurethane foam structures cut the work of trench building in half.

Foams are available in refillable systems and offer sizes up to 100-gallon tanks. Set-up and shut-down take only minutes as the hose can quickly and easily be switched to new tanks. Fomo handles the pick-up of empty tanks, maintenance and delivery of refilled tanks, eliminating downtime for equipment maintenance on job sites. 800.321.5585, fomo.com

drive system that offers the choice of higher torque for digging in tough materials or higher top-end travel speed. In high speed, the PT-60 offers exceptional performance making it the ideal loader for any operation that seeks faster cycle times and maximum productivity. In low speed, the PT-60 can travel up to six mph; in high speed, the PT-60 runs as fast as 11 mph. The PT-60 uses 24 wheels in its undercarriage to spread the machine's weight over the entire length and width of its tracks. As a result, the machine's 6,350 pound operating weight is distributed down to only 3.6

pounds per square inch of ground pressure. The machine's standard track is a 15-inch wide general purpose track with moderate treads for optimum operation and traction in the widest range of ground conditions. A special smooth Turf Track is also available. Other refinements to the PT-60 include better upward visibility from the operator station, a new dash panel with more gauges, plus a completely new paint and decal package that includes ASV's bold new logo. 800.346.5954, asvi.com



ogy. It outlines how users can utilize MicroTechnology to help determine whether it is

Dura-Line

The new four-color, seven-page MicroTechnology brochure from Dura-Line Corp., highlights the features and benefits of this innovative technology.

beneficial to their networks. Convenient conversion charts assist users in determining the number of MicroDucts that can fit into the respective duct sizes. MicroTechnology is the use of Dura-Line MicroDucts in new or existing conduit to provide additional network capacity and pathways for the future. MicroTechnology is used in telecom, CATV and power utilities, dramatically reducing future installation costs. 800.847.7661, adtechnologies.com

United Piping Inc.

United Piping's portable, fully self-contained, lube oil flushing and filtering system cleans piping systems down to a small micron level of cleanliness, which includes an optical counter for on-line particle size/quantity detection. It is of great benefit for conventional systems that do not have a "hot" and ready to go filter backup, or on-line counters, and have filter systems that only filter on one side of the piping. Variable speed flow rates are from 0-1,000 gpm, depending on the application requirements. By using more filters (one filter bank flowing into the

piping system and one back on the return side of the piping), operators cut down on the total flushing time. The system has 40 KW of on-board power generation to supply the immersion heaters that are used to heat process fluid to required temperatures for flushing – additional electrical power is not required. Major system components are insulated to retain as much heat as possible during the flushing process and when weather is not cooperative. 800.269.2968, unitedpiping.us



GF Piping Systems' New Electrofusion Joining Machine

GF Piping Systems has introduced the Electro Plus Fusion Machine, designed to simplify and speed the electrofusion joining process of thermoplastic pipe and fittings.

Electro Plus incorporates advanced electrofusion technology, which fuses two thermoplastic parts together by means of electrical heat resistance. Key to the unit's ease of use is its hand-held user interface. The operator can place the fusion power unit on the floor while using the cables and hand-held unit on a ladder with the pipe and fittings. This allows the joining process to be completed without climbing up and down the ladder for each fusion cycle, providing significant time-saving installation economies. Further time and labor is saved through the unit's ability to fuse multiple joints in one fusion cycle and its one-button repeat fusion cycle for same-size joints. Other features include an intuitive user interface that makes operation extremely user-friendly and self-diagnostics for quick and easy error detection.

The Electro Plus machine has an operating temperature range of 14°F to 113°F and compensates automatically for ambient temperature. Input voltage requirements are 100-130 VAC or 200-250 VAC 60 Hz AC RMS. The lightweight, durable design allows for use in harsh field environments, and a built-in safety feature prevents fusion cycle restart without breaking the connection. The unit comes in an integral carrying case for easy transport. 800.854.4090, gfpiping.com



REHAB PRODUCTS



CUES

The new self contained K2 Base Station portable CCTV inspection system is mounted in a compact, lightweight, rugged, weatherproof enclosure and can fit into an ATV, van or pick-up truck to access easements and hard-to-reach areas. The unit operates all CUES wheeled/tracked transporters and pan & tilt zoom cameras to accommodate 6- to 200-inch pipe inspection.

Camera options include a built in inclinometer, sonde or a laser diode system to measure cracks and offsets. Enclosure options include heavy-duty welded lifting eyelets or forklift skids for quick deployment to the host vehicle. 800.327.7791, cuesinc.com



NoVOC Performance Resins

NoVOC provides municipalities and engineers the first green CIPP solution using environmentally safe polyester and vinylester resins. NoVOC's resins contain no solvents and are odor-free; 100 percent solids so shrinkage is negligible thereby minimizing infiltration between the liner and the pipe; no VOCs or HAPs so the byproducts of the repair process are not hazardous waste; presence of high solid content so less resin is needed to achieve the same or better strength; and a higher cure temperature allows for more flexible wet-out options. NoVOC CIPP resin systems cure faster and reduce installation time allowing installers to double their output. Resin ap-

plications include: sewer and storm water piping, gas pipes, industrial effluent lines, asbestos encapsulation, electrical conduit repair and more. 920.803.1700, novoc.com

Envirosight

The patented QuickView pipeline zoom camera can now transmit real-time inspection footage wirelessly to any truck-mounted video monitor or recorder. A new wireless option allows convenient remote viewing during inspection, multiple viewers, and



the collection of easement inspection video directly into data collection software. The wireless equipment consists of a compact transmitter that is part of the QuickView operator vest, and a receiver that connects to a remote

viewing or recording device. Video can be transmitted up to 1000 feet line-of-sight (300 feet otherwise) using one of 8 user-selectable channels in the 5.725-5.875 GHz range. The wireless option is available immediately for all new and existing QuickView systems. It includes a transmitter holster that attaches to the QuickView operator vest. It can be installed by the user. With 216:1 zoom, onscreen distance measurement and HID lamps, QuickView captures video as far as 250 feet down lines 8-60 inch diameter. 973.993.1570, envirosight.com