



Thompson Pump

The TSC and HTC series of compressor-assisted dry prime trash pumps range in size from 4-12 inch and handle the toughest sewer bypass situations using the environmentally safe ENVIROPRIME system. Engineered to handle solids up to 3.35 inch in diameter, these pumps are specifically designed to prevent fluids, such as sewage or other contaminants, from entering the venturi and eventually spilling onto the ground. The ENVIROPRIME system extends the life of the pump by separating air and water and uses hard iron components and high efficiency impellers to reduce operating costs. The TSC and HTC series also provide high flow up to 6,250 gpm and high head capabilities up to 172 feet. 800.767.7310, thompsonpump.com

Metrotech



The Easyloc CAM is designed for the location of sewer TV cameras. The Easyloc CAM provides additional 512Hz locating frequency for sondes with 33kHz active frequency and 50/60Hz power. The unit contains functions that are quickly understood, advanced graphical display of signal strength and audio signal and automatic sensitivity control. 408.734.1400, metrotech.com

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Griffin Dewatering

Traditional trash pump impellers are based on an open impeller design that includes an adjustable back wear plate. Clearances



are set to maintain the performance of the pump. The non-clog impeller is a semi-enclosed impeller that will include a wear plate or wear ring to maintain the performance. The semi-enclosed impeller tends to provide better pumping efficiency. Griffin can provide pumps that meet any of these requirements for the given project needs. Trash pumps are used in a variety of industrial, municipal, and specialty applications from construction to flood control to mining. The choice depends on whether the pump is intended for a dedicated function or whether a more versatile pump is required. Each pump owner should consider whether air-handling, priming time, or simply volume are required in order to determine the best match of a pump. This also ensures that the pump chosen is a cost-effective solution to the anticipated problems and also includes the features required to successfully complete the project. Griffin can provide diesel driven, gasoline driven, or submersible trash pumps (including electric or portable hydraulic drives) to help serve customer needs. 866.770.8100, griffinpump.com

Topcon Positioning



The new LS-B100 machine control sensors -- LS-B100, LS-B110 and 110W (wireless) -- offer a modern new design and increased functionality. Replacing the LS-B2 and B4 models, the new series provides a tight accuracy a large working range. The LS-B100 series is ideal for dozers, box blades, excavators and backhoes. The LS-B100 receivers feature: on-grade matching; wireless display capability; plumb indication; CAN compatible; four selectable dead

bands; and universal pole clamp. The units utilize rechargeable or alkaline batteries. 925.245.8300, topconpositioning.com

Heath Consultants

The Remote Methane Leak Detector (RMLD) is an eye-safe laser-based natural gas sensor used to locate leaks in natural gas transmission and distribution pipelines. The RMLD can quickly and efficiently detect leaks up to 100 feet away allowing remote detection

of hard-to-reach areas and difficult terrains. Available gas detectors that deploy technologies such as flame ionization must be positioned within the leak plume to detect the presence of methane. The RMLD does not have to be within the gas plume because it uses laser technology known as Tunable Diode Laser Absorption Spectroscopy. When the laser passes through a gas plume, the methane absorbs a portion of the light, which the RMLD then detects. When the infra-red laser beam is transmitted from the launch port some of the laser light is reflected by a normal background such as brick, concrete, grass, etc., to the detector. This reflected light is collected and converted to an electrical signal that carries the information needed to deduce the methane concentration. This signal is processed so that methane concentrations can be reported in parts per million meter or PPM-M. It won't false alarm on other hydrocarbons. 800-HEATH-US, heathus.com



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DBI-SALA

For fall protection and high-visibility requirements for workers in the construction, utilities and energy industries, the Delta Vest integrates a complete personal fall protection harness with a high quality work vest that meets industry standards. The Delta Vest is available in high-visibility orange and yellow, featuring breathable fabric and reflective materials, as well as a blue cotton model that helps retain heat in cooler climates. The series features a Delta II harness, complete with adjustable straps with quick-connect, pass-thru, or tongue buckle connections, ensuring a proper fit. The harnesses are available in four sizes and incorporate five points of adjustability, including torso adjusters not found on other brands, to provide further sizing for



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New Products

THE LATEST PRODUCT DEVELOPMENTS

a comfortable fit. The sub-pelvic strap ensures proper distribution of forces should a fall occur. A spring loaded "stand-up" D-ring, properly positioned between the shoulder blades, provides easy access to the connection point of the harness. When the D-ring is not in use, a unique D-ring keeper prevents the D-ring from sliding into the vest and keeps it accessible for immediate use. The vest's durable zipper stops at the chest strap of the harness, eliminating a potential choking hazard in the event of a fall. 800.328.6146, capitalsafety.com

Case CE

The 570M XT Series 3 Loader/Tool Carrier has a new Tier III-compliant Case Family III turbocharged engine. The new engine delivers 79 net hp, an increase of 8 percent over the previous series. With greater loader lift capacity and breakout forces, the 570M XT Series 3 Loader/Tool Carrier delivers fast cycle times, so operators can tackle more in less time. The 570M XT Series 3 features a single-lever loader control designed for easy effort and ergonomic comfort. Push-button differential lock and transmission de-clutch are located close at hand. An automatic self-leveling feature minimizes bucket spills as



the operator raises the loader. The optional Ride Control helps cushion the loader arms to prevent spills when carrying full loads over rough terrain. The cab offers a spacious operator compartment with great visibility to the loader bucket and box blade. An optional mechanical suspension seat with armrest and adjustable lumbar support increases comfort. The cab package reduces sound to a very low 76 db(A). 262.636.6011, casece.com

Vanair

The Genair is an underdeck unit that combines the power of a 125 to 185 cfm air com-

pressor with the convenience of a patented, integral 7,200 to 11,600-watt AC generator. Whether you need an air compressor only, an AC generator only, or your application demands that you run them both at the same time; the Genair system maximizes the power of your truck's engine by safely enabling you to access both pneumatic and electric power via your single PTO drive. Precise frequency controls keep output regulated within two percent. The Genair system couples directly to the rear of the rotary screw air end. This provides constant power input without belts, pulleys, or tensioning devices. The Genair also eliminates the need to replace your truck's alternator, belts, and sheaves to install a power inverter. Ideal for pipeline sewer inspection, plastic pipe fusion, auxiliary lights, and on-board air compressor and AC electric power requirements. 800.526.8817, vanair.com





Underground Devices

The unique design of Bore Spacers by Underground Devices supports and cradles conduits for ease of assembly, while allowing for the optimal free flow of grout. Without the free flow of grout around the bore spacers, an otherwise well-executed grout injection procedure can result in grout voids, incomplete fill and other serious problems. Bore Spacer installations include: conduit-in-casing and straight bore installations that utilize steel casings, Hobas casings, concrete casings and fiberglass casings. Multi-duct, casingless, directional bores incorporate HDPE conduits. Conduit-in-casing directional bores incorporate HDPE casings. Some features of Bore Spacers include: heavy duty wheels, contoured grout flow holes, a scalloped perimeter, a high strength HDPE or PVC body, and "L angle" slots. Underground Devices stocks over 3,000 bore spacer designs. Over 95 percent of bore spacers manufactured are tailored to customer requirements. 847.205.9000, udevices.com

3M



A new addition to the 3M Dynatel Locators 2200M series, the 2220M locator is

designed to provide a simple and accurate solution to locate buried pipes, cables and Sondes in even the most challenging field conditions. The rugged, highly sensitive receiver uses two active trace frequencies and provides a bar graph, signal strength and direction indication to the pipe/cable. This new model features two optimal frequencies (8kHz and 82kHz), the maximum allowed induction power, and passive locating capabilities for CATV, CPS and power detection. 800.426.8688, 3M.com/Dynatel

Sta-Down Prevents Conduit From Floating

The patented Sta-Down conduit retaining device (CRD) secures PVC conduit in the trench, while it's being encased in concrete or slurry. PVC conduit is buoyant and will "float" or rise in the trench while being encased. Using steel stakes, EMT, rebar or tie wire to secure the conduit in the bank is no longer necessary. Excavating equipment can snag on the steel stakes, rebar or EMT, compromising the conduit and damaging the cable, resulting in costly repairs, loss of service and injury to workers.



Sta-Down CRD is made of injection-molded polypropylene plastic. Type I, designed for cohesive type clay soil, slips into the ends of 1½-inch schedule 40 conduit and pushes down on to the conduit bank until it comes in contact against the trench bank. The louvers point upward and outward, bend and press firmly against the trench walls to keep the conduit from floating.

For non-cohesive or sandy soil applications, the Type II CRD is designed to allow ½-inch EMT to be driven into the trench wall away from the conduit. Also, an installer can break off the inch horizontal crimped portion that inserts into the conduit piece and offers the option of using a 1-inch or 1 ½-inch conduit cross piece.

Either Type I or II with cross piece conduit can be used in the bottom of the trench as a vertical "chair spacer" holding the conduit three inches above the trench for proper encasement. The top of the red CRD also is easy to gauge for three inches of encasement over the conduit bank.

Sta-Down can be used with all existing industry approved spacers, racks and chairs. 877.726.7328, sta-down.com

The Digging Chain With Bite

The aggressive EarthPro Raptor Series is a new breed of low-profile digging chain highly resistant to wear and tear. The Raptor design eliminates extra components such as spacers, spreader bars and other components, which means fewer parts to stock and service. The chain can be installed in minutes with simple hand tools. It can also be reconfig-



ured quickly to tackle varying digging conditions. The 1.65-inch chain is an anti-backflex (ABF) design, which reduces roller wear. The Raptor can be configured with an ABF four-pitch cup teeth spacing - an industry first - for smooth, sure digging.

The Raptor comes with a 1-year/1,000-hour warranty on the bare chain. It fits all makes of trenchers and is only available from Astec Underground dealers. 865.408.2100, astecunderground.com