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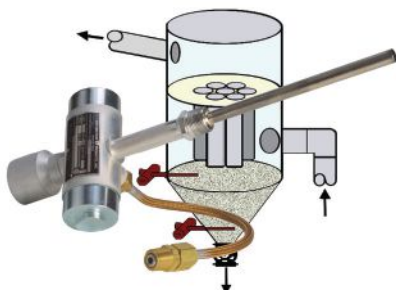
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Level Switches for Dust Collectors and Abrasives Materials



The **Dynatrol DJ** Level Switch provides either high or low point level detection of bulk solids. Dynatrol Level Switches show their strength when handling abrasive materials.

The rugged design and vibrating probe prevents build-up and ensures the most reliable level measurement. Excellent in baghouses, bins or tanks for problem applications that include dust collection, sand, gravel, rock, crushed stone, ore, talc mine, crushed dolomite and recycled crushed concrete, as well as lightweight aggregates: clay, pumice, perlite and vermiculite.

Reliable operation is achieved with this control where other types of controls may fail to operate. This level switch is approved for Class III services, as

well as for Class I, Groups C & D; Class II, Groups E, F & G; Class III approved. Installation is simple. The level switch mounts through a 3/4-in. half-coupling at the point of desired level detection.

Dynatrol switches are constructed for long operating life. Requiring no adjustments and having no moving parts, they are virtually wear-free. Many types of Dynatrol Level Switches have been in service for more than 25 years, the company stated.

Automation Products Inc. – Dynatrol Division, www.dynatrolusa.com

Martin Engineering Debuts Automated Monitoring and Reporting System

Martin Engineering announced a belt cleaner position indicator that monitors blade, tracking and reporting remaining service life.

The intuitive Martin N2 Position Indicator (PI) monitors primary belt cleaner blades, notifying Martin service technicians and plant operations personnel when re-tensioning or replacement is required and/or when abnormal conditions occur. The PI can be part of a new installation or directly retrofitted to existing mainframes that use the company's replacement blades. Managers and service technicians can quickly access info on any networked cleaner via cell phone.

With approximately 1,000 operating systems currently in service and installations continuing daily, the technology has been embraced by bulk material handlers in a wide range of industries and applications. Designed in-house by the engineering team at Martin's Center for Innovation (CFI), the N2 Position Indicator is produced solely in company-owned facilities to ensure the highest standards for quality control. In fact, the firm also engineered and built the proprietary equipment used to manufacture the new devices.

Martin offers the equipment, monitoring service and batteries free of charge

to qualifying customers. The company will also support the PI components and provide customer alerts without cost as needed, with mainframes and tensioners replaced free for users of Martin belt cleaner blades.

"There are no annual maintenance fees, and no add-on charges for cell phone access," confirmed Martin Engineering Global Marketing Director **Brad Pronschinske**. "Most customers using our cleaner blades can take advantage of this technology."

Position indicators can be mounted anywhere from 3 to 800 meters (10 to 2,625 ft.) from the cellular gateway, and the robust, sealed construction means it is virtually immune from damage. Up to 50 units can be monitored by a single gateway connecting to the Internet, usually located at the highest point in the plant, where the cell signal is strongest. The system does not require a cellular line for each PI, instead communicating via radio frequency from each sensor to the gateway.

Operating independently of any plant communications infrastructure, the small physical size and low power requirements deliver a projected battery life of two years. The self-contained model was developed by Martin in order to minimize the dependency

on in-plant resources. Only the gateway requires a constant 110V power point. The device eliminates the need for manual inspections by giving technicians precise information, delivering critical real-time intelligence and reducing exposure to moving conveyors, improving both efficiency and safety. Maintenance planning is simplified by having detailed information available on demand, allowing service personnel to deliver and install replacement wear parts during scheduled outages.

Alerts are also provided automatically when:

- A blade change is required.
- Re-tensioning is needed.
- A cleaner has been backed off the belt.
- There is an abnormal condition.
- A substantial change in temperature occurs.
- Batteries need replacement.

Martin Engineering, www.martin-eng.com

