Rotary Control

Adaptive constant-pressure control with built-in protection and performance logging

The Patt Rotary Control is the intelligence behind all of our continuous, constant-pressure, rotary filtration systems. It continuously reads high-precision pressure transducers, using this data to adjust on the fly and keep pressure ripple to an absolute minimum by controlling the advancement of new screen media into the polymer flow via a highly accurate encoder linked to the pneumatic drive. This process delivers the lowest pressure fluctuations of any filtration system on the market, leading to higher product quality, better efficiency, and lower losses. This same oversight is used to protect the line; if conditions drift, the Rotary Control alerts operators and, if necessary, shuts the line down to prevent damage and avoid costly downtime. All operating data is logged, organized, and easy to use: view trends on-screen, export info as a CSV, or relay it to your DCS over the network. The Rotary Control is fully networkable and can be tied into a variety of other systems, allowing for easy integration with existing control and company infrastructure. With real-time process stability, built-in protection, and accessible analytics, the Patt Rotary Control turns filtration into a predictable, optimized process.

Additional Features and Options

- Seamlessly integrates with Allen-Bradley, Schneider, Mitsubishi, and other PLCs to deliver flexible operation and single point control.
- Configurable to monitor and control up to six independent heating zones, plus two or three dedicated zones for the filter itself.
- Explosion-proof configurations available (ATEX/IECEx options).
- Software with a browser-based UI for visualizing system data is available.
- High-temperature versions of the pressure transducers and encoder are available, along with higher-precision and higher-accuracy options. Pressure transducers with integrated melt probes are also available reducing setup complexity.
- Fully configurable, multi-user permissions with administrator tiers, lock critical variables and sensitive functions.
- On-board protection configurations, allowing the Rotary Control to easily be swapped between different Patt filtration systems.
- Save and load processing profiles for quick material/product changeovers saving lengthy setup or reconfiguration.

For more information or purchasing inquiries please contact us directly at:

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