Catalyst Chemical Systems: Setting the standards for chemical delivery

Technology is changing the way virtually every business operates. Today everything is faster, more efficient and easier to operate. Softrol’s innovations in automated chemical dispensing equipment have positioned them as an industry leader.

With precision as the design foundation, the Catalyst family uses flow meter based injection technology providing volumetric injection and water flush verification. With alarms for chemical delivery failures, real-time feedback and reports for washroom operation, the Catalyst systems offer unparalleled chemical delivery.

Available in many configurations, the Catalyst can fit the needs of a broad spectrum of chemical dispensing needs from the industry standard C-Series Systems for delivery using multiple pumps to the S-Series Systems utilizing shared pumps and a smaller footprint. The T-Series offers customizable tunnel system dispensers to fit any batch washer configuration.
From Small Operations to Large
Softrol designs, manufactures, and installs a wide range of Catalyst chemical injection systems and can customize the right system for your plant.

Softrol offers:
- S-Series
- XT
- XLT
- C-Series
- Classic
- Dual Inject

Full Suite of Management Information Tools
Software included with the Catalyst System
Each Catalyst System comes with the PulseNet Chemical Injection Module (PCIM) software package. The PCIM allows remote programming of injection formulas, system monitoring, and includes reporting for process load efficiency, process poundage, formula run times, formula chemical usage, and production efficiency.

Optional Software – Choose the right software addition for expanded plant management

Real Time Display Package
The Real Time Display Package is an interactive display that shows real time and historical data for the wash aisle. It provides second by second information on today’s processing and entails wash aisle interactive touch screen displays, large screen status center displays, and remote monitoring stations (optional). For reports Advanced Reporting Package must be purchased.

Advanced Reporting Package
The Advanced Reporting Package is a web-based reporting package allowing information access from anywhere in the organization. The package offers several features including:
- advanced graphing capabilities
- flexible report selection criteria for tailored analysis
- PDF and Excel exporting functions

The Advanced Reporting Package aids in answering questions such as:
How much did it cost?
How productive was the operation?
What was produced?
Did anything go wrong?
It is available for conventional washers, tunnels and dryers.

Reliability through Redundancy
The Catalyst System offers peace of mind in chemical delivery that is often compromised with a centralized dispensing unit. A unique feature of the Catalyst System is full redundancy. Two Catalyst units offer the ability to continue chemical delivery to all washers when one unit is taken out of service for routine maintenance or repair.

Each Catalyst unit can work in a preferred range of machines to ensure equal utilization of equipment. When one Catalyst unit is busy supplying chemical, the second Catalyst unit will automatically deliver to the requesting machine. This minimizes machine queue time, while providing a safety net with an automatic backup should one Catalyst unit be temporarily out of service.

Benefits:
- Verified metering
- Eliminates chemical handling
- Superior precision and accuracy
- Production information records
- Customizable systems for flexible buying options
- Ability to dispense high volumes and viscosities

Catalyst Family Features:
- Connection with virtually any type of machine control
- Properly flow metered chemical injections
- Programmable injection formulas
- Corrosion resistant construction using materials such as PVC, Kynar and Teflon
- Control of flow rates from 0.2 gpm to 4.0 gpm, depending on system
- Data recording and management reports
- Programmable alarms and watchdogs
- Modular design for simplified troubleshooting, repair and expansion
- Control over a wide range of viscosities
- Simple calibration procedures
- System alerts for process failure or maintenance requirements
Advanced Wash Aisle (AWA) – Real Time Display plus Advanced Reporting

Advanced Wash Aisle combines the Real Time Display software and the Advanced Reporting Package into one software package. This complete software package brings an expanded level of information to operators and plant management enabling faster issue identification, better equipment utilization, and improved productivity and throughput.

Advanced Wash Aisle Software provides expanded information with:

Real time (Real Time Display) analysis which focuses on “today’s” production status of washers, dryers, shuttles, and chemical system operation in the wash aisle.

Advanced Reporting which focuses on historical operational data such as chemical costs, operational trends, measurements of wash aisle effectiveness, and diagnosis of issues which impact effectiveness.

Go Green - Save Resources

UtiliPulse Utility Monitoring Package

The UtiliPulse package enables management to monitor and track, on a real time basis, any number of customized utility metering points to track consumption. The UtiliPulse package includes monitoring hardware for any customer supplied meters.

There is a wide variety of information that can be monitored, tracked and reported, to help improve plant performance and lower utility costs. With a very attractive payback for the investment, typical resource monitoring includes:

• Total water, natural gas, and electrical consumption
• Inlet and outlet temperatures on both sides of a wastewater heat reclaimer
• Water meters on individual washers
• Gas meters on individual dryers
• Total hot and tempered water consumption and temperature
• Total wastewater discharged
• Boiler stack gas temperature

Ratiometric Washing

The Catalyst System is equipped with a ratiometric washing option. The water and chemical amounts can be automatically adjusted for load size resulting in savings for water and chemicals.
Track productivity on wash aisle
Monitor load weights for better wash quality
Reduce re-wash and stained goods

OPTIONS AVAILABLE FOR CATALYST UNITS:
- PC workstation with PulseNet Chemical Injection software installed
- 1/2” or 3/4” drumwands
- Integrated or separate machine interfaces (required for non-Softrol controlled washers) - system dependent
- Redundant systems
- Spare parts kit
- Management information software

Performance Profile for Softrol Catalyst Systems

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Performance Profile for Softrol Catalyst Tunnel Systems

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Tunnel systems are designed for optimum chemical injection times

Customize the system to fit your specific plant needs

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