

CHEMICAL SYSTEMS

Catalyst Dual Inject



C-Series

Precise. Efficient. Reliable: **Softrol's Catalyst Dual Inject System**

The Catalyst systems offer proprietary flow metering technology and provide computer supervised flow rate and volume verification. The systems will alert personnel to any process failures or maintenance requirements. For the bottom line, the Catalyst systems provide increased process control, higher quality, and lower operating costs.

Similar to the Catalyst Classic, the Catalyst Dual Inject system is designed for high volume, heavy soil processing. For plants with high production needs and limited space, this system is ideal with dual injection capability. The Dual inject operates like two Catalyst Classic systems with the footprint of one Classic stand. Dedicated pumps per chemical allow delivery of higher volumes and higher viscosity chemicals. Individual chemical pumps help disperse the pumping load in high production plants across multiple pumps for less wear and tear. The system is available as a redundant unit to allow backup and additional load sharing between two units for those plants who need uninterrupted chemical delivery.

The Catalyst Dual Inject: double the performance

The Catalyst Dual Inject System does not require any additional chemical pumps to provide multiple machine injections. In addition, the system incorporates a large integrated 15-gallon flush tank with an additional flush pump to ensure proper flushing during simultaneous chemical injections.

This highly automated system includes Softrol Catalyst software for formula programming and process reporting. All functions of this unit are automated including operation of calibration valves and a back-flush valve for easy maintenance of the system.



Automatic chemical injection for accurate, labor-free injection



Wash aisle efficiency analysis and formula programming from a PC

Each system has rigorous quality assurance checkpoints



Monitor chemical usage





Improve process load efficiency



Systems are carefully manufactured to meet customer specifications



Reduce re-wash and stained goods

SPECIFICATIONS

- Control System: Microprocessor
- Electrical Supply: 120 VAC, 4 amp
- Electrical Output: 24 VDC

PLANT REQUIREMENTS FOR ALL CATALYST DUAL INJECT SYSTEMS

UTILITIES REQUIRED AT SYSTEM:

- Utilities (located within 5')
- 120 VAC (15 Amp service) supplied either outlet or junction box form
- 1/2" water line (70-110° F, 5 GPM min, 60 psi max). Line must have a 1/2: FPT service valve
- 1/2" air supply line (minimum 90 psi, 15 SCFM min). Line must have 1/2" FPT service valve

SOFTROL WILL SUPPLY THE FOLLOWING ITEMS FOR UTILITY CONNECTIONS:

- 6' liquid-tight flexible conduit or 6' power cord (Plant to specify with order)
- 1/2" ID hose connection for water
- 3/8" OD air line connection

ALL CATALYST DUAL INJECT SYSTEMS INCLUDE:

- Automatic calibration valves
- Integrated 15 gallon water tank for automatic flush system
- Integrated air filter regulators
- (1) 2000 ml and (1) 250 ml calibration cylinder
- PulseNet Chemical Injection software package

OPTIONS AVAILABLE ON CATALYST DUAL INJECT UNITS:

- PC workstation with PulseNet Chemical Injection software installed
- 1/2" or 3/4" drumwands
- Machine Interface (required for each non-Softrol controlled machine)
- Redundant systems
- Spare parts kit

CATALYST DUAL INJECT	
System Type	Dual Inject
Flow Rate	1-3.5 GPM
Accuracy	+/-3 to 5%
Max #of Chemicals	16
Max #of Machines	24
Max Delivery Distance	300'
Maximum Viscosity	1000 cSt
Calibration Valve	Automatic
Backflush Valve	Automatic
Mounting	Floor
Size	17"D x 77"W x 72"H
Redundant capability	Yes



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