

CHEMICAL SYSTEMS

Catalyst Tunnel LT



Precise. Efficient. Reliable: **Softrol's Catalyst Tunnel LT System**

The Catalyst Tunnel LT 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.

The Catalyst LT is designed for medium volume plants with heavy to medium soil processing. This standard LT system uses high flow rates and can deliver 10 chemicals to 4 modules. The system can accommodate 16 chemicals to 8 modules but this is an option that will require an additional pump stand and manufacturing fees.

The Catalyst Tunnel LT: workhorse for the batch washer

The unique Softrol Catalyst Tunnel System design allows each continuous batch washer module requiring chemicals to be matched with its own chemical manifold. Each chemical manifold has a built-in flowmeter and flush pump to ensure quick chemical injections with precise volumetric accuracy. This design allows simultaneous injection of chemicals to four washer modules.

This highly automated system includes Softrol Chemical Injection software to provide user defined formula programming and process reporting. The tunnel control interface is integrated in the dispensing unit. Calibration and backflush features are provided with manual valve operation 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

Chemicals



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
- Formulas: 128 formula capacity
- Security: 7 level password
- Program storage: battery backed RAM, PC workstation

PLANT REQUIREMENTS FOR ALL CATALYST TUNNEL 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, 12 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 LT TUNNEL SYSTEMS INCLUDE:

- Manual calibration and backflush valves
- Integrated 7 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
- Integrated machine interface

OPTIONS AVAILABLE ON CATALYST LT TUNNEL UNITS:

- PC workstation with PulseNet Chemical Injection software installed
- 1/2" or 3/4" drumwands
- Up to 8 manifolds and 16 chemicals with additional stand and fees

CATALYST TUNNEL-LT	
System Type	Tunnel-LT
Flow Rate	0.5-3.0 GPM (1.9 Small valve)
Accuracy	+/-1 to 5%
Max #of Chemicals	16
Max #of Chemicals/Manifold	4 Large valve or 6 Small valve
Max #of Manifolds	8
Max Delivery Distance	300'
Maximum Viscosity	1000 cSt
Calibration Valve	Manual
Backflush Valve	Manual
Mounting	Floor
Size	18"D x (2 x 42")W x 60"H



1100 Northpoint Pkwy SE
Acworth, GA 30102
770-974-2700
www.softrol.com

