

CHEMICAL SYSTEMS

Catalyst Classic Tunnel



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

Catalyst Classic Tunnel systems use 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 Classic Tunnel system is designed for high volume, heavy soil batch processing with high volume flow rates for heavy chemical dosing. Up to 16 chemicals can be metered into 8 different injection points. A separate pump stand is available for plants with challenging chemical delivery environments due to space limitations or plant layout.

The Classic Tunnel: strength and efficiency

The Catalyst Tunnel System has the capability to simultaneously deliver up to sixteen (16) chemicals to eight (8) individual modules of a continuous 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 separate continuous batch washer modules.

A separate pump stand can be specified with the Classic Tunnel System to reduce pumping distance.

Softrol designed tunnel interface hardware and Catalyst Software are provided with each system, for user-defined programming, data collection, and report generation.



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
- Machine requirements: a minimum of 5 automatic supply outputs must be available
- 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

CATALYST CLASSIC TUNNEL SYSTEM INCLUDES:

- Automatic 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 Module software package
- Tunnel control interface for chemical delivery

OPTIONS AVAILABLE ON CATALYST CLASSIC TUNNEL UNITS:

- PC workstation with PulseNet Chemical Injection Module installed
- 1/2" or 3/4" drumwands
- Spare parts kit
- Separate pump stand to reduce pumping distance

CATALYST CLASSIC TUNNEL	
System Type	Classic Tunnel
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	Automatic
Backflush Valve	Automatic
Mounting	Floor
Size	18"D x (2 x 42")W x 60"H



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