

Kremlin Cyclomat Expert™ 3K Meter Mix

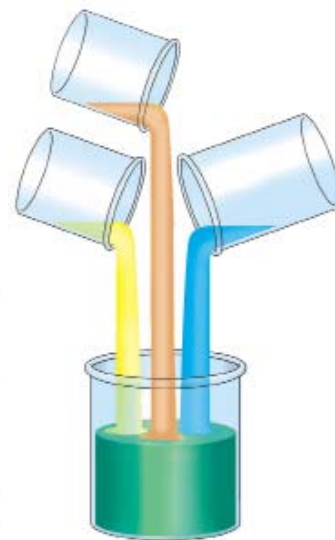
Approved For Use With MIL-DTL 64159
Type I and Type II Waterborne Coatings



CYCOMAT EXPERT
3K METER MIX



C.A.R.C.
Chemical Agent
Resistant Coating



EXCEL®



COMPLETE FINISHING SYSTEM - PAINT KITCHEN, METER MIX AND APPLICATOR

KREMLIN - The Market Leader in C.A.R.C. Coating Applications

The Kremlin Cyclomat Expert™ 3K Meter Mix system is specially designed for C.A.R.C. coatings. The Cyclomat Expert™ Meter Mix machine is a proven system in the C.A.R.C. market with installations throughout the US. The Cyclomat Expert™ delivers outstanding reliability and is extremely accurate. The specially designed mix manifold will provide substantial material savings.

Complete Your C.A.R.C. Finishing Needs With - KREMLIN

Long Run Circulation System Fluid Delivery - Pumps & Accessories



08-120T

08-120T Pump Base fluid delivery. This pump includes a special packing and cup design for C.A.R.C. coatings.

20-220F (Flowmax®) Catalyst Pump

The revolutionary bellows design of the Flowmax® pump does not allow coating exposure to the atmosphere. There is no lubricant cup, which eliminates packing issues and reduces maintenance. The Flowmax® design is ideal for moisture-sensitive catalysts.



20-220F

10-25 Pumps feed the DI water. These pumps are designed specifically to pump DI water.

Pumps Designed for 1K Solvent & 3K Water C.A.R.C.

Diaphragm Pumps

We also have a complete line of diaphragm pumps specially designed to work with the base C.A.R.C. catalyst and DI water.



1" Stainless Steel
Diaphragm Pump

Accessories



55 Gallon Agitator



M22



Circulation
Valve

Allen-Bradley PLC Control Panel



The Main Control Panel

The Cyclomat Expert™ 3K control panel includes:



- Interface touch-screen
- Allen-Bradley PLC
- Emergency stop button
- Catalyst flush button
- Air flow switch
- Relays and pot life visual alarm

The main control panel is designed to be located outside of the Class I, Division I environment.

The 3K C.A.R.C. unit includes the necessary components to control the ratio of up to six base colors, three catalysts and one reducer. The programmable touch-screen is used to enter the recipes of each color and operate the Cyclomat Expert™ 3K. The optional remote panel allows the operator to control the unit from the spray area.

If electric power is lost, the emergency flush button allows the operator to pneumatically flush the manifold and gun(s).

Each color recipe consists of the following:

- Ratio
- Solvent/Catalyst/Opt. Air
- Pot Life Warning
- Purge Flush Seq. Gun 1.
- Critical Pot Life Alarm Time
- Solvent/Catalyst/Opt. Air
- Pot Life Reset Volume
- Purge Flush Seq. Gun 2
- Ratio Test Volume
- Ratio Tolerance
- Color Prime Volume
- Fault Tolerance
- Base Flow Meter Fault Time

C.A.R.C.

Chemical Agent Resistant Coating

Fluid Mix Manifold

Mass Flow Meter for Base C.A.R.C.

The Mass Flow Meter is specially designed for the base C.A.R.C. material. The Mass Flow Meter has no moving parts and provides extremely accurate fluid delivery.

CTM Color Changer Assembly.

The Color Change Valve assemblies can be used for both low and medium pressure (up to 2900psi).

Dual Static Mixer System

Our 3K C.A.R.C. Cyclomat Expert™ has dual static mixer assemblies. Base C.A.R.C. and catalyst are mixed through static mixer number 1. Mixed A&B and DI water are then sent through a second static mixer assembly. This provides a complete mixture of all three components.

High Frequency Injector

The injector assembly is a self-sealed and self-lubricated unit. The catalyst is injected with high frequency at the required ratio. The catalyst through the injector has no contact with the atmosphere, which is ideal for moisture-sensitive catalysts.



Standard Flow Meters for Catalyst & DI Water

The catalyst and the DI water flow through separate stainless steel Flow Meters.



Filter/Regulator Assembly Stainless Steel Balls & Seats

All three materials are delivered to the 3K C.A.R.C. Cyclomat Expert™ through a filter/regulator assembly. This allows our system to perform at an optimum level. The filter/regulator assemblies are constructed with stainless steel balls and seats for the DI Water.

KREMLIN CYCLOMAT EXPERT™ IS ALSO APPROVED FOR C.A.R.C. PRIMER

C.A.R.C. Options

Chemical Agent Resistant Coating



3K C.A.R.C. Dispense Unit:

Our 3K C.A.R.C. Dispense unit operates with the same principles as our standard production unit. With the dispense unit you can select a pre-determined amount of material you would like dispensed from the machine. This is ideal for short runs or touch-up. Unlike some competitive units, the machine will dispense **mixed material** rather than individual components.

FAST FLUSH™ Gun Flush Box:

The FAST FLUSH™ Gun Flush Box allows the operator to simply insert the gun, close the lid and walk away. The system will automatically pull the trigger, perform the flush and prime the next color without the operator being present. The gun flush box works together with the Cyclomat Expert™ to properly flush the system when needed (coordinating pot life).



Remote Operator Panel:

This panel allows you to start, stop, flush, prime and color change the machine remotely from the main control panel. Usually a panel is mounted on the outside of the spray booth, a hole is cut into the booth, and a Plexiglas face is installed. The operator uses a magnet to initiate the process. This allows the operator the ability to control the Cyclomat Expert™ from inside the booth.



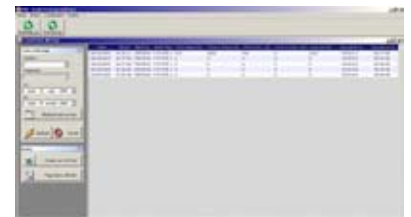
The remote panel displays:

- Color
- Actual Mix ratio
- Pot Life

There is a beacon light tower to indicate machine operating status (i.e. green light means production).

Ethernet Total Reporting:

All usage totals (A, B, C and solvent) per batch or color change can be transferred automatically to a PC. This provides the option to tie in all machines to one PC after a color change is selected and totals are automatically transferred to the PC. The software program used to track total usage is supplied with this option. If required, the totals can also be transferred to a spreadsheet. The totals for all three components along with flushing solvents can be sorted and totaled as required.



1 or 2 Gun Manifold:

The 1 or 2 gun manifold gives you filtered and regulated control of up to two guns on the outbound of the mix-manifold.

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