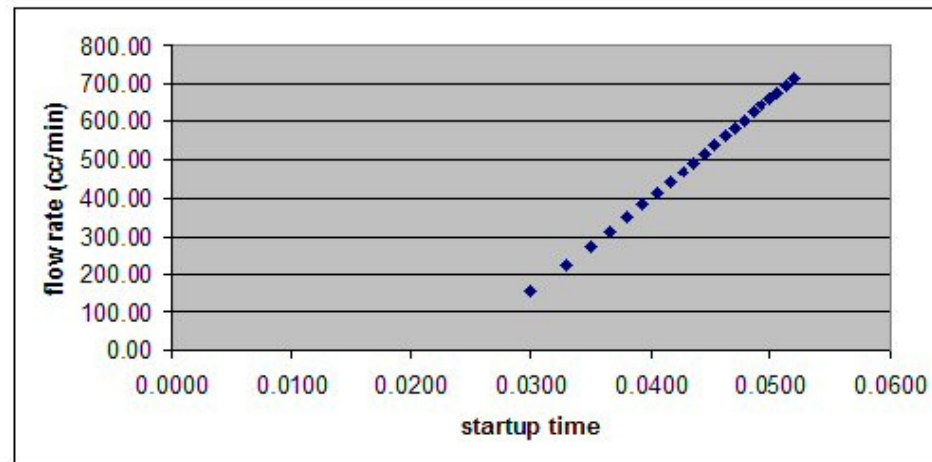


Startup Time

As shown below the AutoMix system is very responsive. The motor acceleration to 700 cc/minute is 50 milliseconds when using a 3.0 cc/rev pump hand applications and systems for automation.



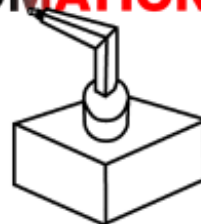
Models & Options

- Dual component gear pump nonhazardous area.
- Dual component gear pump hazardous area.
- Three component gear pump nonhazardous area.
- Three component gear pump hazardous area.
- High ratio catalyst dispense pump nonhazardous area.
- High ratio catalyst dispense pump hazardous area.



**AUTOQUIP
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AUTOQUIP AutoMix

Multi-Component Gear Pump Metering System



**NEMA 12 STYLE CONTROLS
SHOWN WITH OPTIONAL CART
MOUNTED CONFIGURATION**



**NEMA 12 STYLE CONTROL
ENCLOSURE HOUSES AND
PROTECTS ELECTRONIC
SYSTEMS FROM THE ELEMENTS**



**REMOTE FLUID PANEL
AVAILABLE IN PURGING FOR
HAZARDOUS ENVIRONMENTS**

Major Features

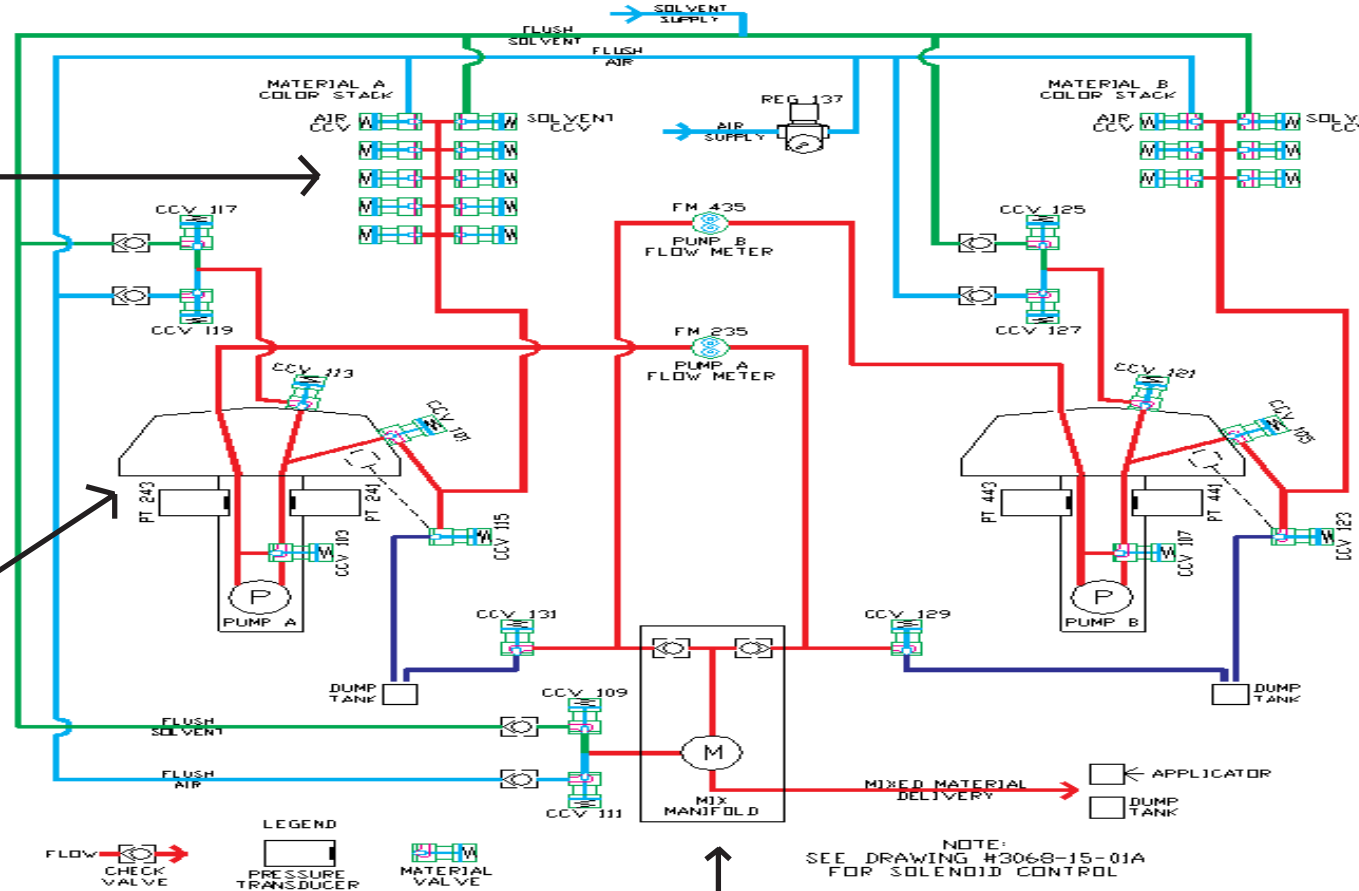
- Autoquip AutoMix multi-component metering system is designed to provide superior control of plural component ratios and flow rates.
- Precise gear pumps provides accurate ratio and quick flow rate changes.
- In line flow meters provide ratio assurance and keep the ratio accurate even through pump wear.
- Servo stepper motors provide high rapid acceleration for fast time to flow rate and ratio.
- Remote mixing manifold keeps resin and catalyst materials separated until entry to the static mixer.
- Fluid pathways are smooth and pocket free reducing the settling issues experienced with equipment using standard NPT fittings .
- Standard fluid system is supplied with both virgin and mixed mix material passageways for fast color change.
- Remote mixing manifold reduces waste and color change time.

AUTOQUIP AutoMix *Multi-Component Gear Pump Metering System*

AUTOMIX IS THE INDUSTRY BENCHMARK FOR SYSTEM FLEXIBILITY, SPEED AND ACCURACY.



COLOR CHANGER



Metering Versatility

The AutoMix gear pumps are driven by a digital stepper motor that provides for best accuracy of all metering solutions. The stepper drive provides the highest torque and the lowest RPM eliminating pulsations at low flow rates. The steppers also eliminate the need for gear reducing transmissions required on both A.C. and D.C. servo motor products. Using the direct drive stepper produces a minimum dispense increment. The elimination of the complicated and expensive gear reducers also improves mean time between failure, down time, and reduces training requirements, and spare parts cost.

Fluid flow meters are an optional component on the AutoMix system for process fluids. The function of the flow meters is to provide feedback for ratio assurance. The flow meter will detect gear pump failure. In most installations the Autoquip AutoMix system can actually forecast gear pump failure prior to occurrence.

AutoMix system is designed with separate flush paths from the color changer to the metering pumps and from the metering pumps to the mixed material manifold. The advantage of the three path system is reduction in color change time, color change waste, and system cleanliness.

The flushing/color change controller provides ultimate flexibility. In the standard configuration sixteen (16) colors can be programmed and selected through the standard 99 recipe selection process.

Recipes are accessed through standard 24 volt DC input sequences. Individual timing of the color changers are adjusted on the standard screen.

Environmental Reporting

To facilitate material usage data collection and environmental reporting AutoMix communicates directly to Autoquip Autolog software. The communication link provides a convenient and effective link from the AutoMix Multi-Component System to the typical plant ethernet network. In most cases the flow rate totals from the last production batch sprayed is available to engineers and managers for product quality verification and production cost analysis.