



In a Perfect World . . .

*Our Production Oriented **PMX** Technology gives you Benefits you can't afford to be without!*

- **ACCURATE**
- **PRECISE**
- **AUTOMATIC**

PMX-250 Electronic Mixing

Fountain solution manufacturers unanimously recommend a consistent mixture ratio of chemistry to water to get top, consistent print quality

Systems that automatically control pH and conductivity, such as Closed Loop Systems, work just fine ... but ... we all know that it's NOT a perfect world. Sometimes chemistry is damaged in shipment or as a result of other environmental factors ...

So...the REAL QUESTION is: *How do you compensate for variations in chemistry?*

Closed Loop Conductivity Mixing assumes that any variation in conductivity is always because of the water quality and it automatically adjusts the chemistry amount to compensate for this. If there's something wrong with the chemistry you end up with both costly paper waste and extended downtime while you try to find out what's causing the problem.

Using a Closed Loop System is like playing *Russian Roulette* ... Sooner or later you're going to have a BIG problem!

PMX technology directly controls chemistry by volume rather than indirectly controlling it through conductivity. The **PMX** monitors, rather than controls conductivity ... so ... it lets you know when something is wrong before it becomes a problem!

REDUCED DOWNTIME & PAPER WASTE

- Built-In Circulation Loop provides continuous mixing of concentrate.
- Positive pressure eliminates inconsistencies found in injection pumps.
- When a drum/tote is changed, the Circulation Loop automatically purges air voids in the reagent concentrate lines prior to the resumption of mixing.
- When 15 minutes of reagent remains, our Advance Warning System light begins to flash allowing ample time to replace the drum/tote.
- Programmable Logic Circuit (PLC) for reliable performance.

EASE OF INSTALLATION & STARTUP

- Replacing your current system with our **PMX** generally takes less than 4 hours.
- The **PMX** can be wall or pedestal mounted for maximum convenience and accessibility.
- No pumps to prime or mechanical adjustments to be made. Hook it up and turn it on. Works with single or multiple presses.

REDUCED MAINTENANCE COSTS

- The Siphon Probe is constructed from rigid material that protects the internal components.
- A 2" Collar prevents contamination from getting into the drum/tote.



12455 SW 7th Place
Fort Lauderdale, Florida 33325 USA
T 954.236.4507
F 954.236.5174
E info@sincal.net



For more information on our products and services, visit us on the World Wide Web www.sincal.net or contact us directly.

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PMF-400 Options

- **Mounting Stand for Floor Mount**
For Free Standing Installation
- **Additional Reagent System for 2nd Part**
Including Siphon Probe with Low Level Sensor
- **Available with Automatic Drum Switching**
- **1/2" or 1" Power Return Pump**
Including Filter/Regulator, Quick Disconnect Fittings and Hoses
- **Press Side Accumulation Tank**
Including Pre-Filters and Controls for Diaphragm Pump Operation
- **Stainless Steel Plate Heat Exchanger**
With Manual Valve Modulation including all the Necessary Fittings and Stainless Steel Thermometer (Field Installed)
- **Back-Up Supply Pump** *(shown on front)*
- **Conductivity Meter Assembly**
Including Probe, Mounted in Fiberglass Box including Fittings and Power Cord (120V/60)
- **pH Meter Assembly**
Including Probe, Mounted in Fiberglass Box including Fittings and Power Cord (120V/60)
- **Conductivity/pH Meter**
Including Probes, Mounted in Fiberglass Box including Fittings and Power Cord (120V/60)
- **Remote Digital Readout**
For Monitoring Conductivity or pH up to 2,000' from the Main Unit
- **Spare Parts Package**

Specifications & Dimensions

General

Model:	PMX-250 Mixing Unit
Cabinet Size:	18" W x 24" L x 7" D
Control:	Programmable Logic Controls Mitsubishi FXO
Paint:	Safety Blue (or other colors)
Mounting:	Wall or Pedestal
Weight:	Shipping: 100 lbs. Operating: 60 lbs.
Model:	C-400
Frame:	24" W x 40" L x 40" H

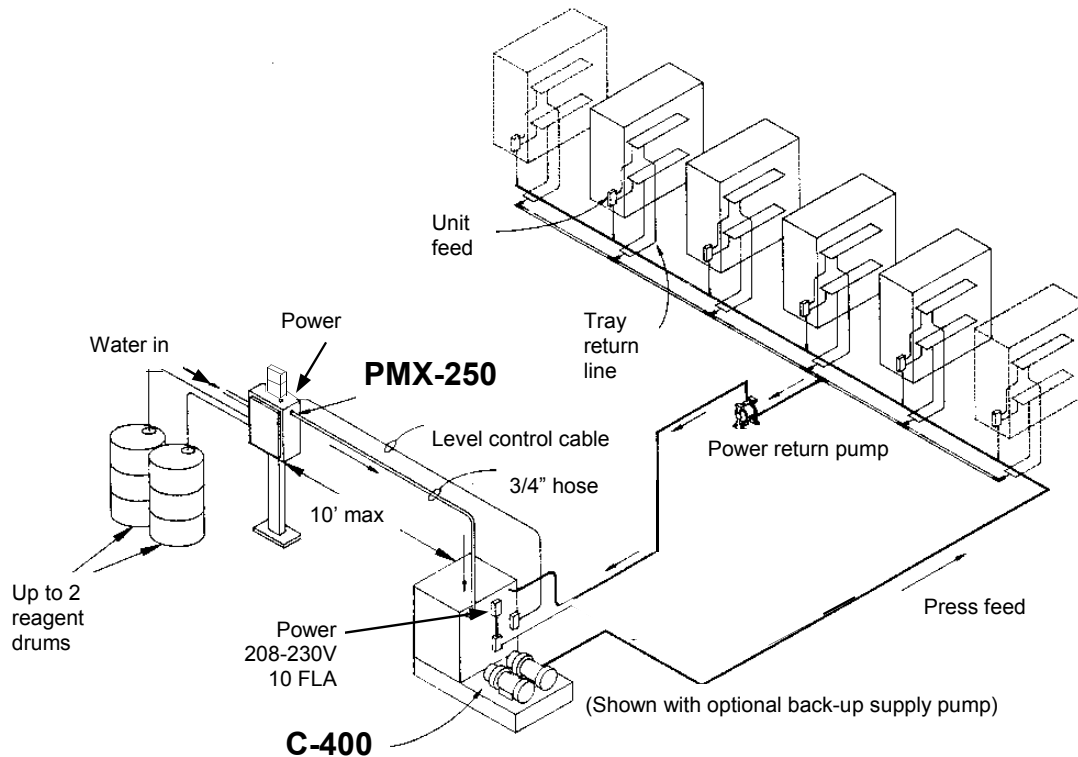
Service Requirements & Connections

PMX-250	
Electrical:	Standard power: 120v 60 Hz/5 FLA 3' power cord with plug included.
Water Input:	40 psi @ 2 GPM 3/4" Hose x 5' long
Output:	3/4" Hose 10' long
C-400	
Electrical:	208-230V/60Hz/1 PH 220-240V/50Hz/1 PH 3/4 HP - 6.9 FLA 1 HP - 8.0 FLA 1 1/2 HP - 10.0 FLA 2 HP - 12.0 FLA Shipped with a 10' power cord
Air Consumption:	1" Power return pump – Max 80 psi Air inlet pressure – Nominal 10 CFM Returning approx. 15 GPM Dry and non-lubricated air.

Operational

PMX-250	
Mixing Capacity:	2 GPM / 120 GPH (other capacities available)
Mixing Ratios:	1/2 Oz/Gal to 7 1/2 Oz/Gal (other ratios available)
Siphon Probe:	50" long for tote bins standard (others available)
Alarm:	Red light mounted on top of control panel flashes when 15 minutes of reagent remains in the drum/tote.
C-400	
Supply Pump:	TEFC stainless steel close-coupled sized to fit any press.
Filtration:	100 micron twin bag filters. Replacement filter #50-117C.
Tank:	56 gallon capacity. Normal operating level is 19 gallons.

PMF-400 Typical Installation



Specifications & Dimensions

General		Operational	
Model:	PMX-250 Mixing Unit	PMX-250	
Cabinet Size:	18" W x 24" L x 7" D	Mixing	
Control:	Programmable Logic Controls	Capacity:	2 GPM / 120 GPH (other capacities available)
Paint:	Safety Blue (or other colors)	Mixing	
Mounting:	Wall or Pedestal	Ratios:	1/2 Oz/Gal to 7 1/2 Oz/Gal (other ratios available)
Weight:	Shipping: 100 lbs. Operating: 60 lbs.	Siphon Probe:	50" long for tote bins standard (others available)
Model:	C-400	Alarm:	Red light mounted on top of control panel flashes when 15 minutes of reagent remains in the drum/tote.
Frame:	24" W x 40" L x 40" H		
Service Requirements & Connections			
PMX-250		C-400	
Electrical:	Standard power: 120v 60 Hz/5 FLA 3' power cord with plug included.	Supply Pump:	3/4 HP stainless steel close- coupled. Output capacity 10 gpm at 20 psi (Larger pumps available).
Water Input:	40 psi @ 2 GPM 3/4" Hose x 5' long	Filtration:	100 micron twin bag filters. Replacement filter #50-117C.
Output:	3/4" Hose 10' long	Tank:	56 gallon capacity. Normal operating level is 19 gallons.
C-400			
Electrical:	208-230V/60Hz/1 PH 3/4 HP - 6.9 FLA 1 HP - 8.0 FLA 1 1/2 HP - 10.0 FLA 2 HP - 12.0 FLA Shipped with a 10' power cord		
Air			
Consumption:	1" Power return pump - Max 80 psi Air inlet pressure - Nominal 10 CFM Returning approx. 15 GPM Dry and non-lubricated air.		

PMX-250 Options

- **Remote Reagent Supply System**

Switches drums automatically to maintain a continuous supply of solution.

- **Central Distribution System**

Supply multiple circulators from one mixer. 30 or 56 gallon reservoir.

- **Conductivity Meter**

Hi & Lo Alarm Points.
Easy to Read LED Display

- **pH Meter**

Hi & Lo Alarm Points.
Easy to Read LED Display

- **Conductivity/pH/Meter**

Hi & Lo Alarm Points.
Easy to Read LED Display

- **Available with Drum Switching**

Available on one-part system. When the primary drum/tote is empty, system automatically switches to a backup drum/tote.

- **Mechanical Float Valve**

Automatically refills circulation tanks. Mechanical Float Valve or Float Switch Solenoid Valve.

- **Two-Part System**

Permits system to use two different chemicals.

- **Mounting Pedestal**

For free-standing installation.

- **Day Tank**

With float control.

- **Spare Parts Package**

Specifications & Dimensions

General

Model:	PMX-250 (Fountain Solution) PMX-250DS (Drum Switching)
Cabinet Size:	18" W x 24" L x 7" D
Control:	Programmable Logic Controls Mitsubishi FXO
Paint:	Safety Blue (or other colors)
Mounting:	Wall or Pedestal
Weight:	Shipping: 100 lbs. Operating: 60 lbs.

**2-Year Warranty on
Materials & Workmanship**

Service Requirements & Connections

Electrical:	Standard power: 120v 60 Hz. at 5 amps. 3' power cord with plug included.
Water:	40 psi at 2 GPM 3/4" Hose x 5' long
Air:	80 psi @ 1.5 CFM Dry and Non-lubricated
Reagent Output:	3/4" Hose 10' long

Operational

Mixing Capacity:	2 GPM / 120 GPH (other capacities available)
Mixing Ratios:	1/2 Oz/Gal to 7 1/2 Oz/Gal (other ratios available)
Siphon Probe:	50" long for tote bins standard (others available)
Alarm:	Red light mounted on top of control panel flashes when 15 minutes of reagent remains in the drum/tote.