

# Mixer/Evaporator



Digital Pulse Mixer 099A DPM12E24 with 24-place Evaporator for EPA Vials



Tube with Vortex



Vortex Stopped Momentary

## Glas-Col's Digital Pulse Mixer with Evaporator/Concentrator:

This system is designed to rapidly evaporate/concentrate solvents by both heating the sample bottom and the incoming nitrogen. Each position is furnished with an individual orifice for the best possible delivery of gas. The pulsing feature that is selectable allows a film of solvent to be thrown on the sidewall; then the vortex collapses. Next the vortex again is created and the process continues until the concentration level is achieved providing the quickest method of evaporation.

## The Digital Pulse Mixer/Evaporator has the following features:

- Micro-processor based control technology
- Speed 100 to 1000 rpm, Speed Display Resolution: .1 RPM, Speed Setting Increment: 10 RPM
- 4-line back-lit LCD display
- Built-in digital timer (seconds: 1-60, minutes: 1-60, hours: 1-24)
- User selectable pulse profile (Pulses-per-minute: 1-100), Ppm-duty-cycle: 1-99 %
- Timer and Pulse mode may be combined.
- Communication port (RS-232)
- Fail Safe Mode to prevent speed fluctuations
- Membrane switch user interface (4-button)
- Soft Start/Stop of motor
- Optional software for real time data acquisition
- Orbital offset .070"
- Set point temperature for Manifold (80°C) and Bottom Blocks (140°C Max)

## Specifications:

Size	16" w x 18" d x 9" H to drive plate
Platform size	10" x 12"
Voltage	120 or 240 volt models
Mixer mounts	Vibration absorbing for minimum transfer to lab bench
On/Off switch	Located on right side of unit
Finish	Light gray and black powder coat finish
Cord	3-wire 5' long
Load	Up to 10 lbs.

**REPEATABLE.**

**RELIABLE.**

**RESULTS.**

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The optional Solvent Recovery Cabinet is furnished with a 1/2" fitting for pulling a vacuum to capture solvent. The other 1/4" fitting is where the nitrogen for the evaporators are connected. A flow control valve is required to regulate the flow of nitrogen to the evaporator. This cabinet will allow the user to capture evaporated solvent. Optional Cold Trap, dewar and accessories are available to complete this system. The cabinet constructed of polypropylene. Cabinet dimensions are: 19.5" h x 24" w x 23" base depth.



Optional Cabinet for Solvent Recovery

## Accessories available include:

PIAB STING vacuum pump	(14024-35)
Tubing adaptor for PIAB pump (2)	(12707-11)
Glass vacuum trap body	(8746-36)
Vacuum trap inner tube	(8746-13)
Dewar for vacuum trap	(7075-15)
Vacuum trap hose connection (2)	(5853-23)

(contract Glas-Col for pricing)

## List Price:

099A DPM12E16	16-Place Evaporator EPA Vials	120 Volt, 60hz.
099A DPM12E24	24-Place Evaporator EPA Vials	120 Volts, 60hz.
099A DPM12E6	6-Place Evaporator for 250ml bottle	120 Volts, 60hz.
099A SRC	Solvent Recovery Cabinet	
099A LabNetix	Software	



**Evaporator tops on some of the mixers are interchangeable allowing the base unit to remain the same while changing only the evaporator section.**

**The evaporator top is adjustable to 80 °C, the bottom block adjustable to 140°C**

The shown system is designed for 16 vials/tubes (EPA, Scintillation, or other 25mm x 150mm vials.) Many configurations are available. Please consult Glas-Col about your specific application.

## LABNETIX®

Labnetix® software gives you the flexibility to monitor and control a variety of Glas-Col mixing products. Operation is simple and intuitive, requiring no specialized training. If you're looking for a faster, easier way to automate your lab, Glas-Col products and Labnetix® software provide the answer

Six separate profiles (recipes) can easily be setup with each profile having six lines of instructions. For either Local or Remote operation, each step of operation on any instrument is recorded in a master log for documentation. You have a permanent record of every operation on every instrument.



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