

What is it?

Autovent is a manually adjustable degassing system for low flow metering pumps.

What does it do?

It allows the pump to be easily vented, thereby preventing system downtime caused by excessive amounts of gas having entered the pump head. This can occur when using effervescent media, when pumps are idle for extended periods of time, or when a chemical supply tank is changed.

What happens without it?

The degassing nature of effervescent liquids such as Sodium Hypochlorite or Hydrogen Peroxide can cause gas to be trapped in the pump head when the pump is idle. When the pump is turned on, its pumping action will compress the trapped gas, rather than deliver the chemical. The operator will need to manually disconnect the discharge pipe to allow the gas to escape.

How does it work?

The Autovent Degassing System is completely adjustable to meet the needs of each application.

A visual flow monitor is included. A built-in check valve prevents downstream liquid from flowing backwards during the venting process. During this venting, the gas and a small portion of the process liquid is directed downward to the supply tank, via the vent tubing. The system is available with an automatic timer control or it can be controlled externally.

Automatic Timer Control

- Cycle Time regulates how often the vent valve opens. It is selectable from 1 to 45 minutes.
- ON Time adjustment regulates how long the vent valve opens. This time is selectable from .25 to 25 seconds. The automatic timer includes a manual override (Test) button. Pressing this button allows the pump to be primed very quickly.



External Control

- External equipment, such as a Programmable Logic Controller (PLC), can be used to control the venting intervals of the Autovent Degassing System. The intervals can be independent of or in relation to the process. Also, it is possible to choose venting intervals of any desired duration and to discontinue the degassing process when metering chemical. For example, gas that has accumulated in the system during an idle period on the weekend can be eliminated in a longer venting interval, then the normal metering process can be resumed with periodic degassing.

Where does it go?

The Autovent Degassing System can be mounted directly on the discharge valve of solenoid driven or motor driven metering pumps with pulsating flow rates up to 4 gph pulsating flow or 13 gph constant flow (when used in conjunction with a pulsation dampener). It is also possible to mount the Autovent Degassing System on a tank or to walls, using an adapter. The return tubing from the venting port should be directed downward into the supply tank.

What is it made of?

The device can be chosen with a PVC or transparent acrylic housing, with Viton^R or EPDM seals.

Which pumps benefit most?

- MAGDOS LC
- MAGDOS LT
- MAGDOS DE/DX 01-12

Mounting Options

Autovent can be mounted on a table base or directly to the pump, or it can be suspended from a wall.

A pump mount is the preferred mounting method. Please note that Autovent can be ordered without a timer, as shown in this example.



Flow rates

Autovent can be used with pulsating flows up to 4 gph and constant flows up to 13 gph, when used in conjunction with a pulsation dampener.

Pressure

Maximum rated operating pressure is 150 psig.

Technical Data

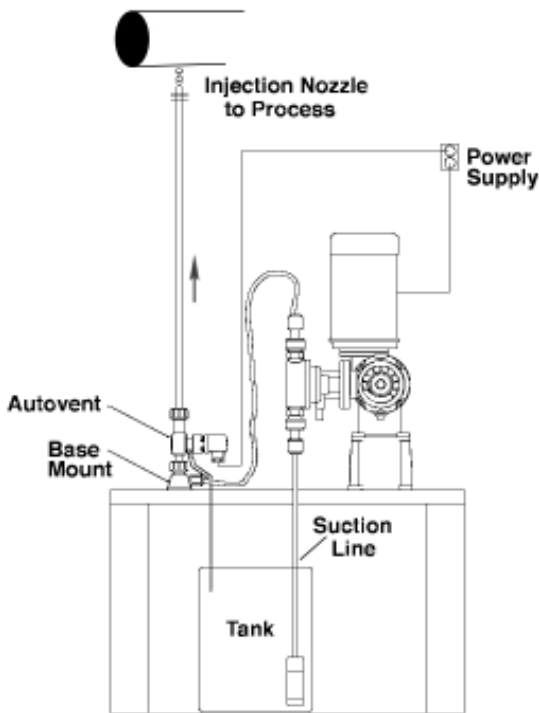
Power Supply	Housing Material	Seal Material	Timer	Part Number
115/1/ 50-60 Volts	PVC	Viton®	X	A13300023
		Viton®		A13300021
		EPDM	X	A13300039
		EPDM		A13300040
	Acrylic	Viton®	X	A13300013
		Viton®		A13300011
		EPDM	X	A13300043
		EPDM		A13300044

Timer: Protection Class IP 65

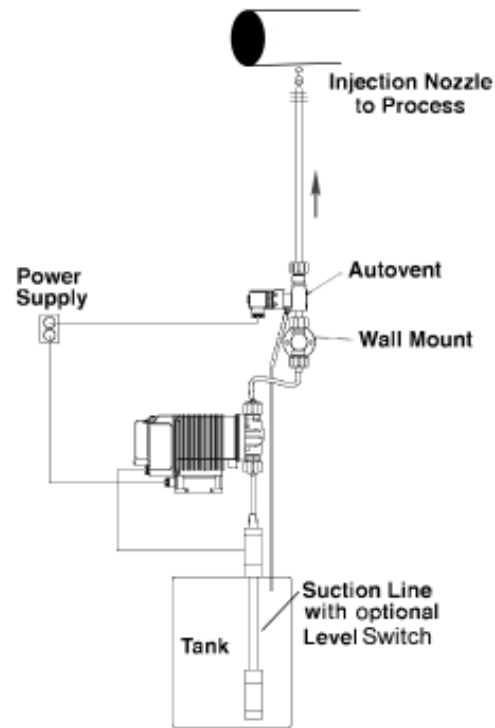
Power: 6 ft. cord with 3-prong safety plug

Supply: *Please consult factory for 230V applications.

Vent Tubing: 8 ft. of 1/8" PVC



Base Mount



Wall Mount