



# CONTINUOUS FLOW OIL APPLICATOR

## PRECISE, REPEATABLE SPRAY PATTERNS

The PPM Technologies Continuous Flow Oil Applicators deliver precise, repeatable spray patterns with a variety of light to medium viscosity liquids, oils and oil/water solutions. This simple design reduces parts needs and maximizes reliability.

The system uses a non-pulsing positive displacement pump and low pressure (1-2psi) air to accurately atomize ingredients. High performance occurs even at volumes as low as 1% weight pick up—ideal for water-based coatings or diet products requiring low oil volumes. Optional systems are available using plant air and no-air application.

## RELIABLE PERFORMANCE

The complete system includes one pump, one blower, one spray manifold and one controller. Most traditional systems incorporate additional parts to include piston pumps, “O” rings, seals, wipers, filters, lubricants and regulators. With value engineering practices, the design was simplified and part requirements reduced.

The user-friendly design and controls increase production yield, minimize ingredient waste, and maximize process efficiency. Slide the unit in its mountings for placement in a drum or over a conveyor. The unit includes a standard 5-gallon (13 liter) stainless steel surge tank with level sensors. And, a single pump with various configurations replaces an array of individual pumps.

All variables from air pressure, ingredient feed rates, and pump delivery pressures can be addressed from the single control panel. Control options are available from on/off switching to fully programmable recipe management.

## SANITARY DESIGN

All spray nozzles and support plumbing are enclosed in a stainless steel manifold. Simple quick-disconnect ports for air and ingredient lines reduce sanitation and maintenance time.



## FLEXIBLE OPERATION

- Low volume applications—below 1%
- Accurate, repeatable operation
- Accommodates four nozzle sizes

## MAXIMUM UP-TIME PERFORMANCE

- Reduced part requirements
- Single continuous pump





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## SPECIFICATIONS

### CONSTRUCTION:

304 SS braided lines  
304 SS manifold  
316 SS nozzles

### POWER:

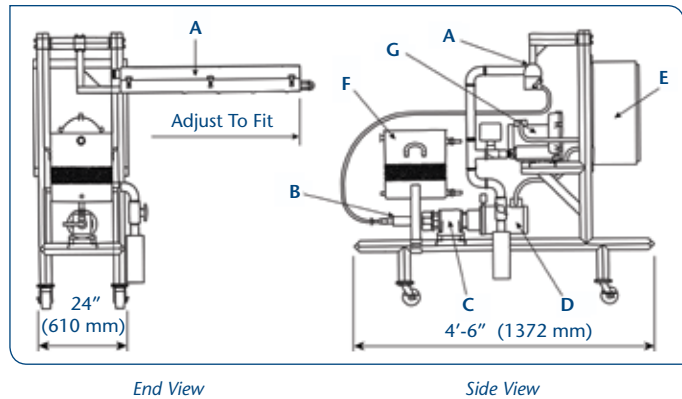
230/460VAC 25 Amps, 3 Phase, 60Hz

### CONTROL:

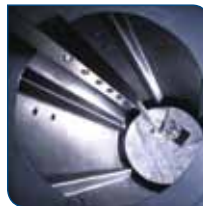
110VAC

### AIR (IF REQUIRED):

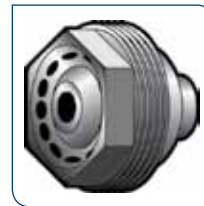
90 psi, regulated to 3.5CFM, filtered



A Manifold	C Pump Gear Box	E Control Box	G Blower
B Pump	D Pump Motor	F Surge Tank	



*New design features a single-piece, sealed manifold—ideal for use in drums.*



*Oiler nozzle screws in and out to change size. Requires no pistons or "O" rings.*



*FMC FoodTech provides complete oiler systems including drums and support equipment.*

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