

# MS III-S Continuous Spray System

Achieve a perfect spray pattern with less misting and overspray

The MS III-S oil spray system is designed specifically for pure or flavored oil applications where finer droplet size is needed. Spray Dynamics continuous oilers use the lowest air pressure in the industry to achieve accurate spray patterns with less waste and mess from misting and overspray.

Spray Dynamics MS III-S is designed for use inside a coating drum, in a blender, or across a belt. The MS III-S model provides continuous oil spray, with a cone-shaped spray

pattern at each nozzle. The sanitary design has all liquid and air lines (nozzle shutoff air, atomization air, and liquid supply) located inside the stainless steel spray bar. Positive nozzle shutoff valves ensure that oil does not drip after the spray stops. Optional shutoffs for individual nozzles operate on the fly, without affecting the cone style spray pattern.

This PLC controlled, continuous oil spray system delivers unmatched performance in the food industry. The MS III-S model utilizes a positive displacement pump, filter, and an optional flow meter for accuracy. Atomization air comes from our regenerative blower to prevent compressor oil contamination of the oil stream.



*Spray bar and mounting hardware package*



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## Standard Features

- 304 stainless steel construction
- Positive displacement pump with variable speed drive
- NEMA 4 stainless steel enclosure
- Mounting hardware package
- Single filtration element
- PLC controls
- Positive shutoff nozzles
- Automatic pneumatic cluster valves

## Options

- Dual oil filtration with pressure transducer
- Flow meter
- AC motors with VFDs
- Stainless steel motors and gear boxes
- Electric-heated or hot water jacketed oil lines for high melt point oils
- Upgraded controls with exclusive Follow-Me software
- Individual nozzle shutoffs



Target Rate (lbs/hr)	168	85	44
Pump speed	90%	42%	20%
Nozzle 1	0.703	0.352	0.181
Nozzle 2	0.701	0.352	0.181
Nozzle 3	0.704	0.385	0.182
Nozzle 4	0.705	0.386	0.181
Total rate (lbs/hr)	168.78	84.9	43.5

*Output rates measured in lbs/min*

- Pump: Sanitary stainless steel gear pump, 1/2 hp motor
- Blower: Regenerative Blower, 2.5hp, 148 scfm max
- Orifice: .025"

Constant improvement and engineering innovations mean these specifications may change without notice.



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