



Experts in Solid Dosage Technology
A Division of *Spraying Systems Co.*

TABCOATER™

TABLET COATING OPTIMIZATION SYSTEM

REVITALIZE YOUR EXISTING COATER

Replacing a costly tablet coater or coating pan is not the only way to improve coating results. Designed to upgrade only the core components of your existing coater, the TABCOATER system is a flexible solution for improving the performance of aging coating equipment.

FEATURES & BENEFITS

MODULAR MANIFOLD WITH VMAU NOZZLES

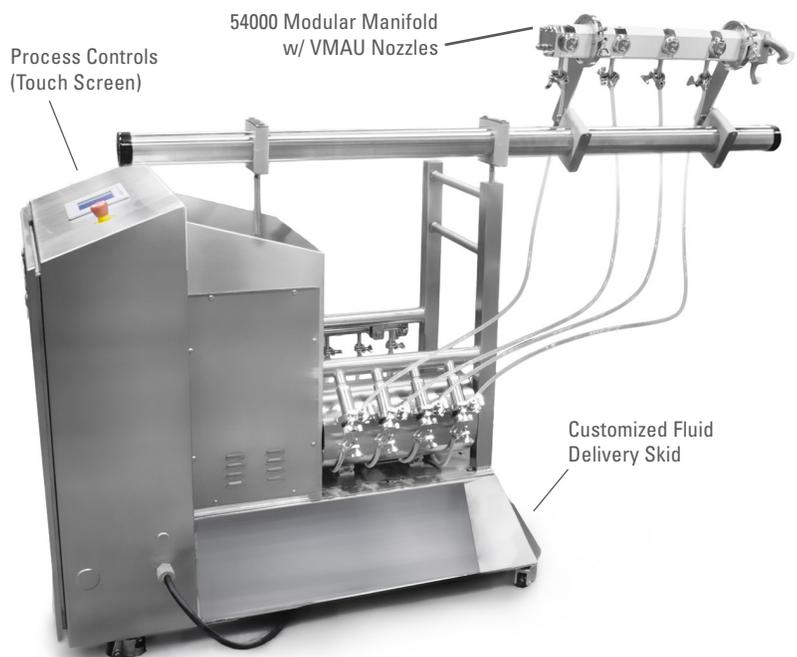
- Patented internal recirculating guns
- Prevents tablet entrapment
- Anti-bearding nozzles reduce product build-up
- Shut-off valve keeps liquid moving, eliminating clogging

BATCH ARCHITECT™ PROCESS CONTROLS

- Automates fluid delivery skid or entire pan operation
- Phase or recipe-based controls
- Security, data logging, and 21 CFR Part 11 compliance capability
- Custom PLC and touch-screen controls

CUSTOMIZED FLUID DELIVERY SKIDS

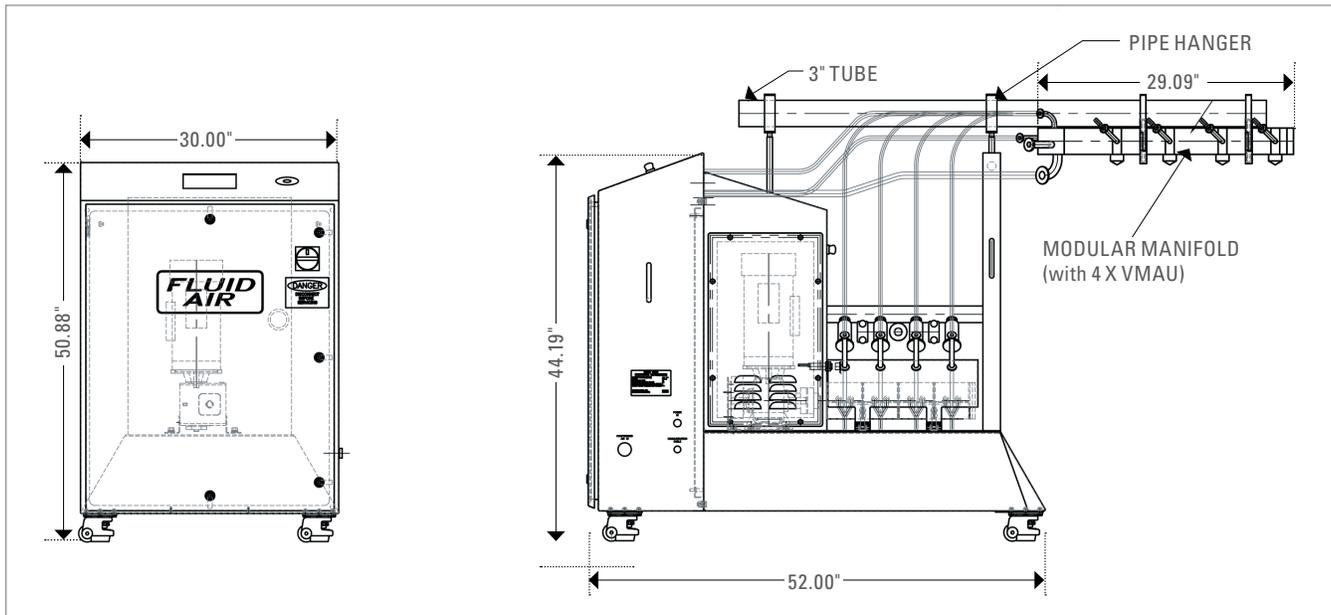
- Custom GMP design configured for process area
- Closed-loop solution/liquid delivery metering using loss-in-weight, mass flow sensing, and totalizing
- Precise, low-pulsation peristaltic pumps eliminate “dead-leg” liquid distribution
- Liquid flow shut-off with optional recirculation
- Nozzle liquid feed pressure sensors detect clogging
- Nozzle clearing circuit, line clearing, and purge system
- Atomizing and fan air pressure control with flow



PACKAGE FLEXIBILITY: COMPLETE SYSTEM OR CHOOSE INDIVIDUAL UPGRADE OPTIONS

The complete TABCOATER system consists of a manifold, spray nozzles, a fluid delivery skid, and process controls. Whether you're looking to change your entire coating system or just need to replace a worn spray nozzle, Fluid Air will work with you to customize a solution that fits your requirements.

DIMENSIONS

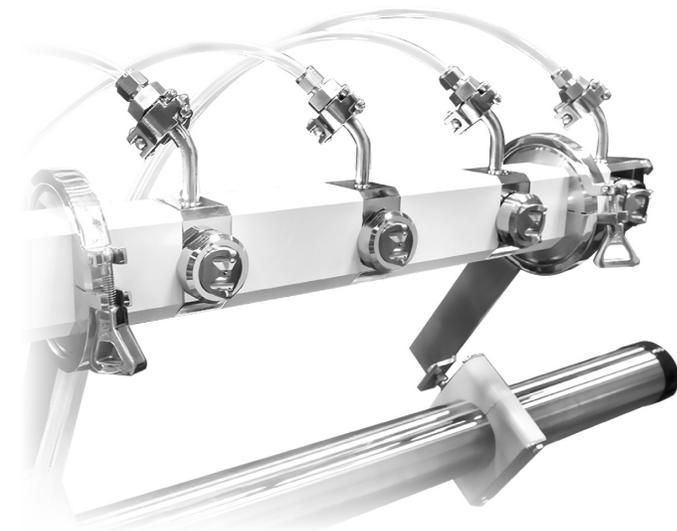


INTERNAL RECIRCULATING SPRAY GUNS REDUCE CLOGGING AND IMPROVE COATING RESULTS

The TABCOATER system features a specially-designed air atomizing manifold from Spraying Systems Co. to deliver superior spray performance. Each manifold is equipped with four or more individually-fed, recirculating VMAU spray nozzles, allowing the coating solution to flow continuously and recirculate through the system while the nozzle needle is extended for cleaning/shut-off.

Continuous flow is significant in tablet coating processes because many coating solutions are suspensions (i.e., solids suspended in a liquid). Great care is taken to agitate the liquid and deliver it to the nozzle at a high enough flow rate to prevent the solids from settling, which can occur if the liquid stops flowing, or if the flow rate becomes too low.

By providing a mechanism to allow the liquid to continue flowing through the system when the needle shuts off the flow to the nozzle—a recirculation port in the manifold body—the coating solution remains agitated, allowing the solids to remain in suspension and thereby reducing the risk of clogging/settling.



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