

FLEX 05

BENCHTOP TABLET COATING SYSTEM



FLEX 05

COMPACT FLEX SERIES COATER FOR SMALL BATCHES AND EARLY DEVELOPMENT.

The FLEX 05 extends the FLEX Series platform to R&D and small-scale production. Designed for maximum versatility in a compact footprint, FLEX 05 supports a wide range of coating processes — from feasibility studies to early clinical supplies — with precise control and excellent cleanability.



KEY FEATURES

- 5-LITER FULLY PERFORATED DRUM WITH ANTI-SLIDE BARS
- FLEXIBLE BATCH SIZES — COAT AS FEW AS 100 TABLETS (0.1 LITER) WITH DIVIDER PLATES
- SCHLICK™ ANTI-BEARDING SPRAY NOZZLE
- EXHAUST TEMPERATURE SETPOINT CONTROL
- PERISTALTIC PUMP WITH PRECISE FLOW CONTROL
- OPTIONAL INDEPENDENT CONTROL OF ATOMIZING AND PATTERN AIR





CONTAINMENT AND XCU (EXCHANGEABLE COATING UNIT)

- OPERATES UNDER NEGATIVE PRESSURE; INFLATABLE SEAL ON PROCESS PORT
- SANITARY FLANGE CONNECTIONS FOR CLOSED LOADING/UNLOADING
- MANUAL SAMPLING AND NOZZLE POSITIONING WITH PROCESS PORT SEALED
- COMPLETE SEPARATION OF PRODUCT CONTACT AREA FROM MECHANICAL SPACE
- XCU OPTION: EXCHANGEABLE COATING UNIT WITH INTEGRATED DRUM, CHAMBER, PLENUM, AND PROCESS PORT
 - SELF-CONNECTING TO INLET/EXHAUST AIR PORTS AND DRUM DRIVE
 - INTEGRATED EXHAUST PLENUM EXTRACTS WITH XCU FOR EASY CLEANING OFFLINE

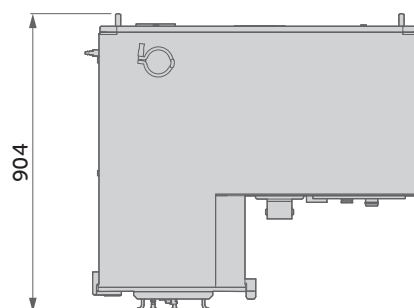
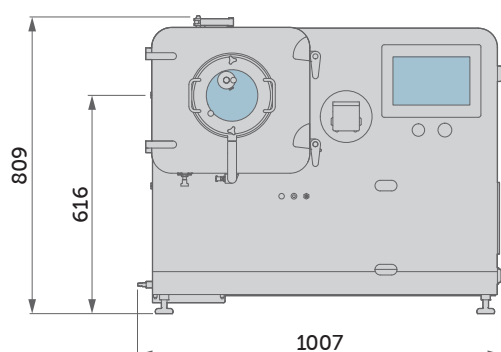
USABILITY

- COMPACT FOOTPRINT — JUST 30" x 40" [774 x 1011 MM]
- BENCHTOP OR CART-MOUNTED FOR MOBILE APPLICATIONS
- 10-INCH COLOR TOUCHSCREEN HMI WITH PROCESS CONTROL AND DATA ACQUISITION
- NOZZLE POSITIONING WITH GRADUATED SCALE FOR REPEATABLE SETUP
- FRONT-ACCESS MANUAL SAMPLING
- EXCELLENT VISIBILITY THROUGH FRONT WINDOW

VERSATILITY

- SUPPORTS AQUEOUS AND SOLVENT PROCESSES
- FUNCTIONAL, MODIFIED RELEASE AND SPECIALTY MULTI-LAYER COATINGS
- SUITABLE FOR TABLETS, MINITABLETS, AND SOFTGELS
- OPTIONAL EXECUTION FOR POTENT COMPOUND HANDLING

TECHNICAL DATA



MODEL	FLEX 05
Overall dimensions	31" x 40" x 30" high (774 mm x 1011 mm x 769 mm)
Drum volume	Up to 5 liters ½ liter with divider plate
Drum diameter	12" (305 mm)
Drum speed	5 - 40 RPM
Air flow and temperature	20 – 100 CFM (45°C maximum bed temp.) (35 – 170 m³/h)
Spray nozzle	Schlick™ ABC
Solution delivery	Watson-Marlow peristaltic pump
Atomizing/Pattern air	20 – 45 psi at 12 SCFM (1.4 – 3.0 bar at 20 m³/h)
Controls	PLC and touch panel HMI
Electrical	8 kW @ full load
Compressed air supply	50 psi (3.3 bar)
Weight	280 lbs (130 kg)

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