

## Multi-Purpose Laboratory Flo-Coater System

For Granulation, Coating, and Drying Processes

### One System – Four Processes

- Top Spray Granulation Processes
- Bottom Spray Coating Processes
  - Patented Wurster Accelerator System for Reduced Process Time
- Drying Processes
- Patented Granurex® Technology
  - Spherical Coating and Layering Processes

### Portable Self-Contained System

- Electrical and Compressed Air Connections for Easy Removal of System

### Quick Changeover Design

- No Tools Required for Process Changeover
- Removable Spray Gun and Product Screens
- Removable Cartridge Filters (2 $\mu$  retention)

### Optional Processing Flexibility

- Hot Melt and Wax Matrix Processes
- Increased/Reduced Processing Inserts

### Integrated Peristaltic Pump

- Precision Solution Addition

### Validatable Control System

- Inlet Airflow and Temperature Control
- Solution Spray Rate Control
- Process End-Point Control
  - Time, Exhaust or Product Temperature
- Touch Screen Control (Opt.)
- Data Collection Port to PC or Printer (Opt.)



*Shown with Optional Touchscreen Control System*

With its standard drying, top spray, and bottom spray capabilities, as well as the optional Granurex rotor insert, the VFC-LAB series are the most versatile laboratory-scale fluid beds available. The unique design of the combination product container/Wurster insert and integrated solution pump eliminates the need for costly "add-ons". The combination product container also allows for quick changeover and cleaning between processes. Easy to operate, portable, flexible and efficiently cleaned, the VFC-LAB series is the perfect solution to your process development requirements.

#### VECTOR CORPORATION

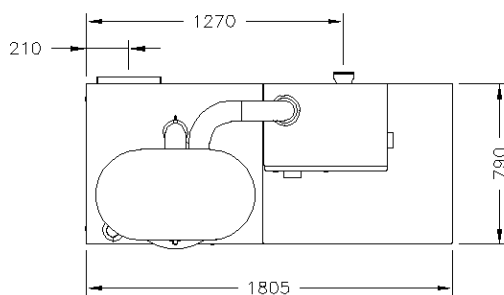
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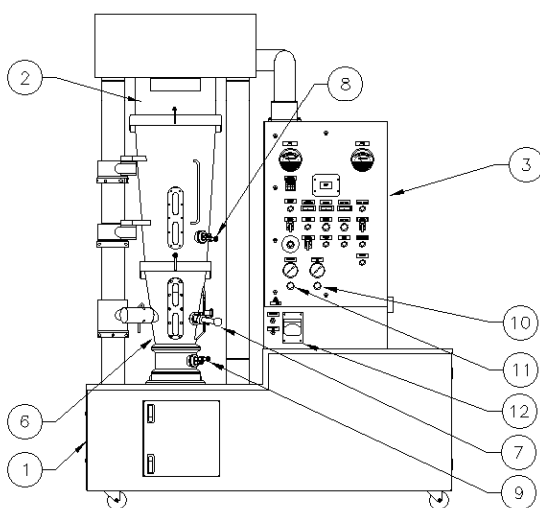
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# VFC-LAB 3

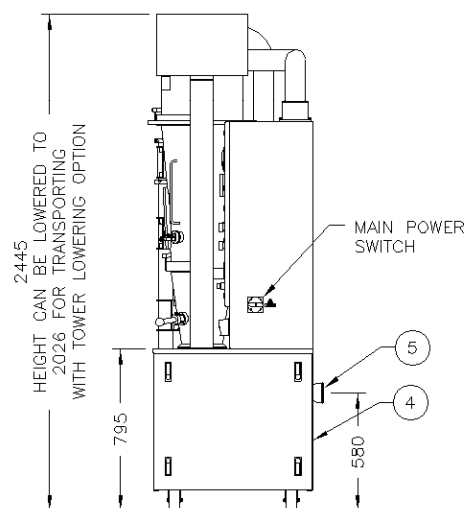


TOP VIEW

- 1 Roll-Around Cabinet
- 2 Filter Chamber
- 3 Control Panel
- 4 Air Inlet with Prefilter
- 5 Air Exhaust
- 6 Product Combination Insert
- 7 Sample Port
- 8 Granulator Spray Gun Assembly
- 9 Wurster Spray Gun Assembly
- 10 Wurster Accelerator Air Control
- 11 Nozzle Air Control
- 12 Solution Peristaltic Pump



FRONT SIDE



RIGHT SIDE

**NOTES:**

1. Dimensions are shown in millimeters.
2. Dimensions shown are design dimensions and are subject to change due to manufacturer's tolerances.

## TECHNICAL SPECIFICATIONS

Capacity (Top Spray): 8L	Compressed Air Supply: 50 m <sup>3</sup> /hr @ 6 Bar
Capacity (Dryer): 12L	Electrical Supply : 230/3/60 or 400/3/50
Capacity (Wurster): 14L (8 Inch)	Weight: 630 kg
Inlet Temperature: 25 – 100 °C	Design Standards: CE, ATEX, UL, NFPA, CSA
Process Air Volume: 280 m <sup>3</sup> /hr	Solvent Rating: Non-Hazardous
Solution Delivery Rate: 1.4 – 50 mL/min	(Hazardous Ratings Available)

Providing equipment and processing solutions around the world since 1972, Vector is a subsidiary of Freund Corporation located in Tokyo, Japan. Globally, the Freund/Vector team has thousands of system installations in the pharmaceutical, healthcare, chemical, agricultural, and food industries.

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