

## 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<sup>®</sup> 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

Increased/Reduced Processing Inserts

Hot Melt and Wax Matrix Processes

### 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

Touchscreen 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

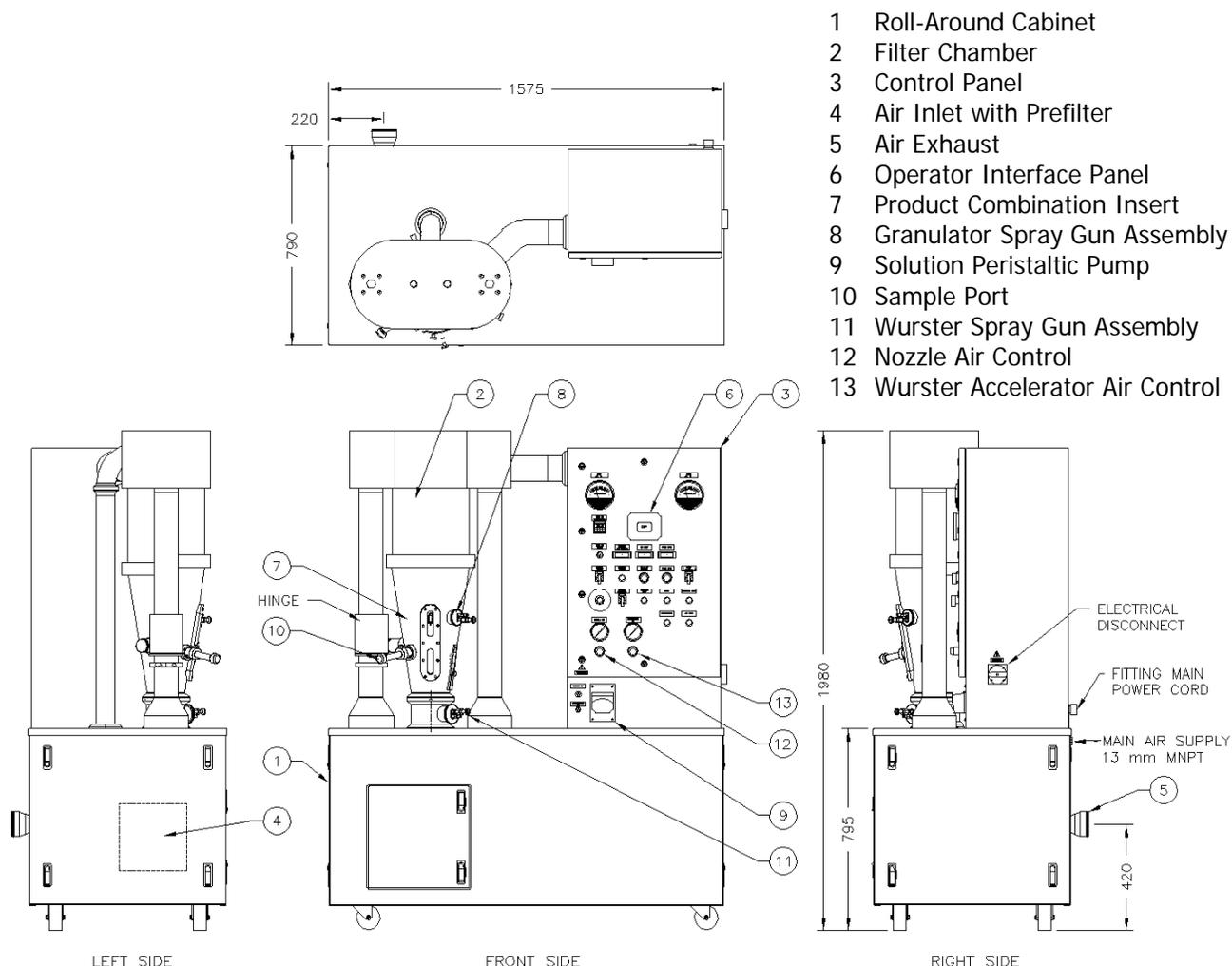
675 44<sup>th</sup> Street, Marion, IA 52302-3800

Phone: 319-377-8263 Fax: 319-377-5574

Email: [vector.sales@vectorcorporation.com](mailto:vector.sales@vectorcorporation.com)

[www.vectorcorporation.com](http://www.vectorcorporation.com)

# VFC-LAB 1



## 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): 4 L	Compressed Air Supply: 50 m <sup>3</sup> /hr @ 6 bar
Capacity (Dryer): 4 L	Electrical Supply : 230/3/60 or 400/3/50
Capacity (Wurster): 3.5 L	Weight: 540 kg
Inlet Temperature: 25 – 100 °C	Design Standards: CE, ATEX, UL, NFPA, CSA
Process Air Volume: 150 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.

### VECTORCORPORATION

675 44<sup>th</sup> Street, Marion, IA 52302-3800

Phone: 319-377-8263 Fax: 319-377-5574

Email: [vector.sales@vectorcorporation.com](mailto:vector.sales@vectorcorporation.com)

[www.vectorcorporation.com](http://www.vectorcorporation.com)



Your Global Equipment and Processing Solution

9/2008