

Multi-Purpose Flo-Coater Fluid Bed Systems

For Pilot and Production Scale Drying, Coating, and Granulation Processes

Engineered for Reduced Process Times

- Increased Product-To-Filter Distance for Increased Airflow and Spray Rates

- Tapered Expansion Chamber for Improved Product Movement through Spray Zone

Flexible Processing with 3-Piece Construction

- Scalable Capacities from 3kg to 950 kg

- Non-Inflatable, Removable Air Seals for Easy Cleaning

- Product Containers for Granulation and Drying

- Wurster Inserts for Bottom Spray Coating

- Granurex[®] Inserts for Spherical Coating and Layering

Full Containment Design

- In-Wall Design Minimizes Required Processing Area

- 12-Bar Pressure Tested Construction

- Cartridge Filters for Superior Particle Retention

- Optional CIP Configuration Available

 - Non-Removable Stainless Steel Cartridge Filters

 - Single Point Connection for Cleaning Solutions

Ideal Design for Granulation Suites

- Product Handling by Mechanical, Vacuum, or Gravity

Validatable, Easy-To-Use Control System

- Automatic (Recipe-Driven) and Manual Modes

- Optional Compu 4[®] Control System

 - 21 CFR Part 11 Data and Recipe Handling System

 - Control of Entire Granulation Suite with One OIP



VFC-30MX Shown with Bottom Spray Tapered Wurster Insert

The VFC Flo-Coater System is uniquely engineered to meet the specific requirements for every installation. Every VFC Flo-Coater is backed by Vector's comprehensive range of services, including product and process development, process scale-up and transfer, calibration and maintenance programs, and proactive project management. Simple-to-use, economical, and designed for maximum processing effectiveness, the VFC Flo-Coater family is the ideal solution for your current and future fluid bed processing requirements.

VECTOR CORPORATION

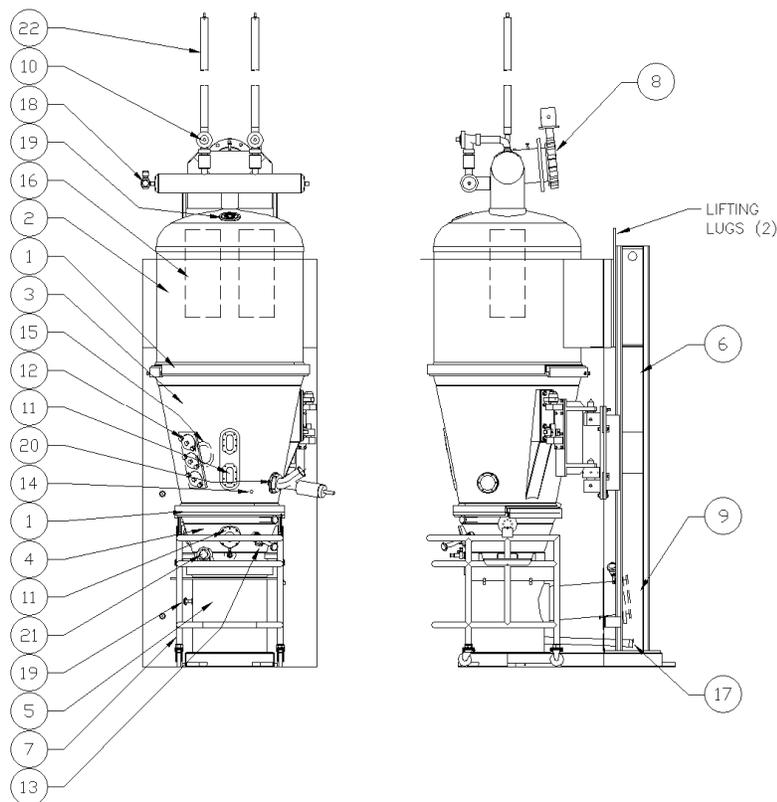
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VFC-MX



1. Air Seal
2. Filter Chamber
3. Expansion Chamber
4. Product Container
5. Inlet Air Plenum
6. Support Frame
7. Product Container Cart
8. Exhaust Duct
9. Inlet Duct
10. Filter Pulse Accumulator
11. View Windows
12. Gun Ports and Spray Gun
13. Sample Port
14. Product Temperature Probe
15. Inspection Light Window
16. Cartridge Filters
17. Drain and Shut Off Valve
18. Air Pressure Regulator
19. WIP Ports
20. Optional Vacuum Charge Valve
21. Optional Vacuum Discharge Valve
22. Filter Lowering Cylinders

MODEL	PRODUCT CONTAINERS			WURSTER INSERTS			GRANUREX [®] INSERT		AIRFLOW m ³ /hr
	Reduced (L)	Std. (L)	Increased (L)	Size	Spray Guns	Volume (L)	Size	Volume (L)	
VFC-5MX	6	20	27	7" 9" 12"	1 1 1	12 22 50	GXR-35	10	750
VFC-15MX	20	45	60	9" 12"	1 1	22 50	GXR-35	10	1,500
VFC-30MX	45	100	120	9" 12" 18"	1 1 1	22 50 165	GXR-35 GXR-65	10 50	3,000
VFC-60MX	100	220	250	18" 24" 32"	1 1 3	165 260 570	GXR-65 GXR-95	50 140	4,500
VFC-120MX	220	420	500	32"	3	570	GXR-95	140	6,000
VFC-200MX	420	660	800	32" 46"	3 6	570 970	GXR-95	140	8,000
VFC-300MX	660	1,100	1,200	46"	6	970	*	*	9,500
VFC-500MX	1,200	1,570	1,900	46"	6	970	*	*	12,000

* Dedicated Unit Required – Not Available in VFC-M Configuration

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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