

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

- Product Containers for Granulation and Drying

- Wurster Inserts for Bottom Spray Coating

- Granurex[®] Inserts for Spherical Coating and Layering

- Full Range of Product, Solution, and Air Handling Options

Quick Changeover Design

- Perfect for WIP Cleaning Requirements

- Easily Removable and Cleanable Cartridge Filters

 - Superior Particle Retention

 - Durable Design – 2 Year Service Life

Engineered for Safety of Personnel and Equipment

- 2-Bar Construction for Venting or Suppression

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-300M Shown with Bottom Spray Wurster Insert and Optional Cartridge Filter Lowering Device

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

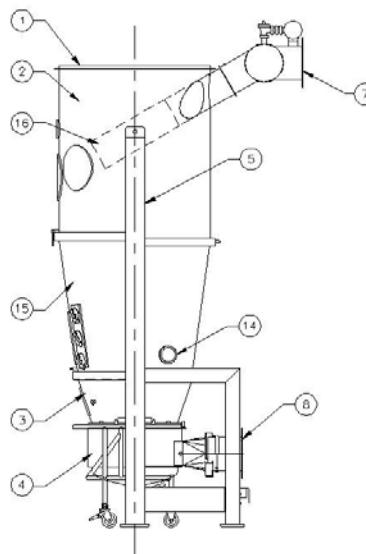
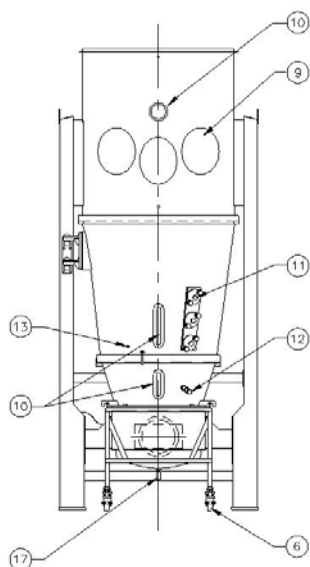
675 44th Street, Marion, IA 52302-3800

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

Email: vector.sales@vectorcorporation.com

www.vectorcorporation.com

VFC-M



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|---------------------------|------------------------|------------------------------|
| 1. Top Explosion Vent | 7. Exhaust Duct | 13. Temperature Probe |
| 2. Filter Chamber | 8. Inlet Duct | 14. Inspection Light Window |
| 3. Product Container | 9. Filter Access Doors | 15. Expansion Chamber |
| 4. Inlet Air Plenum | 10. View Window | 16. Cartridge Filters |
| 5. Support Frame | 11. Gun Ports | 17. Drain and Shut Off Valve |
| 6. Product Container Cart | 12. Sample Port | |

MODEL	PRODUCT CONTAINERS			WURSTER INSERTS Tapered Design			GRANUREX® INSERT		AIRFLOW m ³ /hr
	Reduced (L)	Std. (L)	Increased (L)	Size	Spray Guns	Volume (L)	Size	Volume (L)	
VFC-5M	6	20	27	7" 9" 12"	1 1 1	12 22 50	GXR-35	10	750
VFC-15M	20	45	60	9" 12"	1 1	22 50	GXR-35	10	1,500
VFC-30M	45	100	120	9" 12" 18"	1 1 1	22 50 165	GXR-35 GXR-65	10 50	3,000
VFC-60M	100	220	250	18" 24" 32"	1 1 3	165 260 570	GXR-65 GXR-95	50 140	4,500
VFC-120M	220	420	500	32"	3	570	GXR-95	140	6,000
VFC-200M	420	660	800	32" 46"	3 6	570 970	GXR-95 GXR-125	140 370	8,000
VFC-300M	660	1,100	1,200	46"	6	970	GXR-125	370	9,500
VFC-500M	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.