

VOLUMETRIC FEEDER VF-4

Dry Chemical Metering



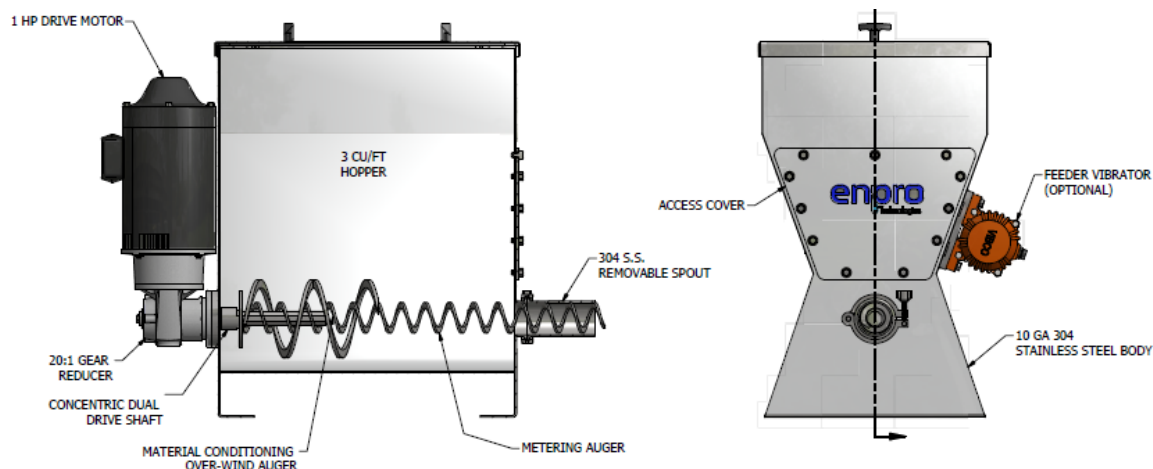
Model VF-4 shown above

Custom models and options
available, consult factory.

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- Used to dispense powder products at a set feed rate
- Constructed of 304 Stainless Steel
- Designed with a direct drive
- Small footprint
- Placed on a tank or hung from a transition
- Engineered for reliability with the use of many products
- 1-2% accuracy within desired feed rate
- Easily change out auger and discharge
- Designed for the following chemicals:

Alum	Ferric Sulfate
Calcium Hydroxide	Polymers
Calcium Carbonate	Sodium Aluminate
Carbon	Sodium Carbonate
Copper Sulfate	Sodium Fluoride
Lime	Hydrated Lime
Diatomaceous Earth	Pebble Quick Lime
Potassium Permanganate	



Design Specifications:

- Material of Construction: 304 S.S.
- Floor Dimensions: 20-3/4 x 15-1/4 inches
- Height: 26 inches
- Hopper Opening: 15-3/16 x 12-3/8 inches
- 3 Cu. Ft. Integral Hopper
- Feed Rates: Up to 100 Cu. Ft. per hour
- Auger Tooling: 2" to 4" Diameter
- Open Helix or Solid Shaft Auger Options
- Feeder Motor: 1 HP
- Electrical Requirements: 120/240 VAC
- Shipping Weight: 300 lbs

Accessories:

- Solution Tanks (15,35,50 Gallon Sizes)
- Liquid Level Control (on tanks)
- Mixer (on tanks)
- Bag Unloader (304 S.S.)
- Bulk Bag Frame
- Feeder Stand (304 S.S.)
- Drum Inverter
- Dust Collector
- Explosion Proof Motors (Class 1, Division1, Groups F and G)
- Knife Gate

Auger Size	C ft / Hr (Max) 100% motor speed	C ft / Hr (Min) 10% motor speed
2 1/4	19.5	1.95
2 1/2	24.49	2.449
2 3/4	29.98	2.998
3	51.12	5.112
3 1/8	55.67	5.567
3 1/4	60.4	6.04
4	100.45	10.045

Instrument Features:

Motor:

- Horse Power: 1
- RPM: 1750
- FL Amps: 0.8-1.5
- Phase: 3
- Frequency: 60
- Frame: 56C
- Duty: Inverter, Continuous
- Enclosure: TENV



Table 2.0	
Voltage Options	
115/208-230 AC	
208-230/460 AC	
90 DC	
180 DC	

Gear Reducer:

- Integral motor : 1/6 to 2 HP
- C-face adapter frame size range: 48C to 140TC
- IEC adapter [B5] frame size range: IEC 63 to IEC 90
- Ratio: 20:1
- Up to AGMA Class 13 gear quality rating
- Bronze alloy Worm wheel material
- Hardened steel worm material
- 58 Rockwell C minimum gear hardness
- Aluminum alloy housing material
- UNICASE™ one piece main housing design
- Seals directly contact main housing



Table 3.0		
Gear Reducer Options		
Ratio	Type	Frame
10:1	Inline	56C
15:1	Right Angle	140TC
20:1	Minicase	180TC
30:1		
40:1		

Vibrator: (Optional)

Technical Specifications:

- 3200 VPM at Single Phase
- 20 lbs. of force
- 115 Volts (230 Available)
- 45 dB on A-Scale at 1 meter

Benefits:

- Increased material flow
- Increased production rate
- No more lost man hours on cleaning bin



Loading Options:

Hopper:

- 304 Stainless Steel Construction
- 10 gauge
- Lid Available

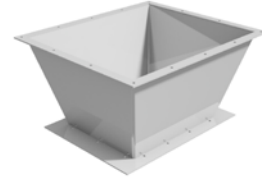


Table 4.0
Hopper Options
2.5 Cubic Foot Transition (For Bag Unloader)
3.5 Cubic Foot
4 Cubic Foot (For Dust Collector)
Contact Factory for Custom Size Hoppers

Single Bag Unloader:

- 304 Stainless Steel Construction
- 10 gauge
- Door with Gasket



Dust Collector:

- Manual Shaker Type
- ½ HP Motor 3450 RPM
- 284 CFM
- Blue Texturized Finish

