



RELIANCE INDUSTRIES

## ■ HIGH INTENSITY MIXERS

### VFM SERIES





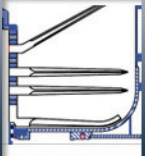
- 12" Diameter Discharge Available
- Two Piece Bearing Housings
- 18 Month Warranty
- Large Bowl Bottom Radius

Lid Lift Mechanism



- Pneumatically operated swivel or hinge lid

Bowl Construction

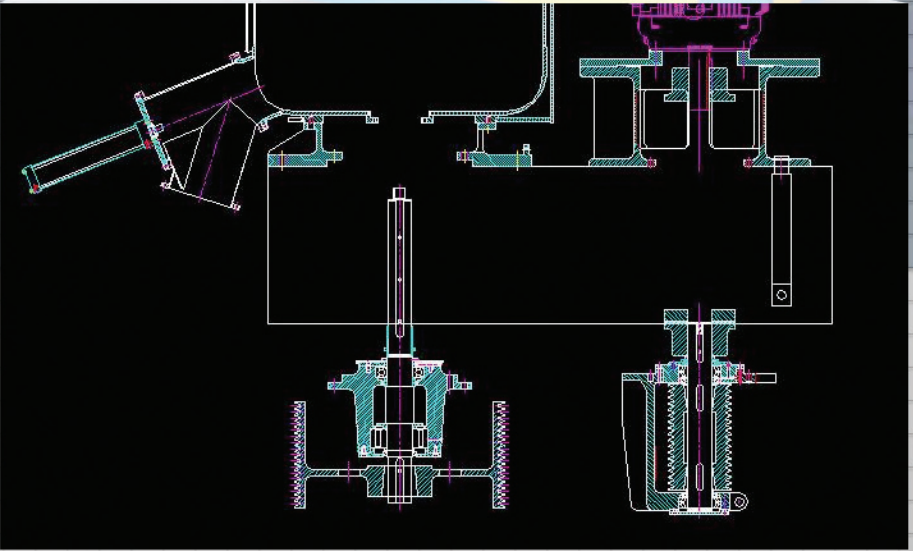


- Jacketed bowl for circulating heating/cooling media
- Large bowl radius allows for efficient mixing with significantly less wear

Discharge Assembly



- Reduce cycle time by utilizing our 12" Diameter Discharge



| MODEL    | TOTAL CAPACITY |       | OPERATING CAPACITY |       | BATCH SIZE** |        | MOTOR SIZE** |
|----------|----------------|-------|--------------------|-------|--------------|--------|--------------|
|          | LITERS         | CU.FT | LITERS             | CU.FT | KGS.         | LBS.   | H.P.         |
| VFM-4    | 4.0            | 0.1   | 3.2                | 0.1   | 1.6          | 3.6    | 3.0          |
| VFM-10   | 10.0           | 0.4   | 8.0                | 0.3   | 4.1          | 9.0    | 5.0          |
| VFM-40   | 40.0           | 1.4   | 32.0               | 1.1   | 16.3         | 36.0   | 10/5         |
| VFM-75   | 75.0           | 2.6   | 60.0               | 2.1   | 30.6         | 67.5   | 20/10        |
| VFM-100  | 100.0          | 3.5   | 80.0               | 2.8   | 40.8         | 90.0   | 30/15        |
| VFM-150  | 150.0          | 5.3   | 120.0              | 4.2   | 61.2         | 135.0  | 40/20        |
| VFM-200  | 200.0          | 7.0   | 160.0              | 5.6   | 81.6         | 180.0  | 50/25        |
| VFM-250  | 250.0          | 8.8   | 200.0              | 7.1   | 102.1        | 225.0  | 60/30        |
| VFM-350  | 350.0          | 12.4  | 280.0              | 9.9   | 142.9        | 315.0  | 100/50       |
| VFM-500  | 500.0          | 17.7  | 400.0              | 14.1  | 204.1        | 450.0  | 125/62.5     |
| VFM-600  | 600.0          | 21.2  | 480.0              | 17.0  | 244.9        | 540.0  | 150/75       |
| VFM-800  | 800.0          | 28.3  | 640.0              | 22.6  | 326.6        | 720.0  | 200/100      |
| VFM-1000 | 1000.0         | 35.3  | 800.0              | 28.2  | 408.2        | 900.0  | 250/125      |
| VFM-1200 | 1200.0         | 42.4  | 960.0              | 33.9  | 489.9        | 1080.0 | 300/150      |
| VFM-1500 | 1500.0         | 53.0  | 1200.0             | 42.4  | 612.3        | 1350.0 | 400.0        |
| VFM-2000 | 2000.0         | 70.6  | 1600.0             | 56.5  | 816.5        | 1800.0 | 600.0        |

\*\*Batch size and HP requirements may vary with the bulk density (32 lbs./cu.ft. used for tables)

Standard Features

- Removable or fixed baffle
- Hinged access cover
- Lid opening as per customer's requirements
- Mixing tool configuration as per requirements
- Two piece bearing housings on mixer and motor sides
- Pneumatically operated swivel or hinged lid

Available Options

- Aspiration system to remove moisture buildup
- Bearing Temperature Sensors
- Swing away discharge
- Hard facing of bowl interior
- Variable or two speed motor options
- Multiple discharge chutes
- Split coupling element allows for replacement of coupling element without removal of any components
- Dual bowl temperature sensors
- Discharge clean/blow down nozzles
- Oversized discharge for reduced cycle times
- Installation of material monitoring sensors
- Sample port
- Automatic tool blow down, eliminates cross contamination
- Mirror polish on interior surface
- Controls
  - Manual, semi-automatic, automatic
  - Variable frequency drive
  - Touch screen controls
- Various tool designs to meet your requirements





| GENERAL APPLICATION                                                                                                                                                                                                                                                                                                         | INDUSTRY                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Homogenized &amp; Heated Mixing</li><li>• Drying &amp; Degassing</li><li>• Fusing</li><li>• Surface Coloring</li><li>• Densifying</li><li>• Agglomerating</li><li>• Grinding &amp; Pulverizing</li><li>• Dissolving &amp; Melting</li><li>• Preparation of Master Batches</li></ul> | <ul style="list-style-type: none"><li>• Plastic Processing</li><li>• Powder Coating and Toner</li><li>• Food and Pharmaceutical</li><li>• Cosmetics</li><li>• Liquid Paints</li><li>• Rubber</li><li>• Wood Composites</li><li>• Chemical</li></ul> |



**RELIANCE INDUSTRIES**

**1900 FM 1092**

**Missouri City, Texas 77459**

**PH: 281-499-9926 / (800) 353-0472/ FAX: 281-499-4308**

**[www.reliancemixers.com](http://www.reliancemixers.com)**

**EMAIL: [sales@reliancemixers.com](mailto:sales@reliancemixers.com)**