**STANDARD FEATURES:**

- 1 cu. ft. working capacity
- Stainless steel type 304 wetted parts
- 150 grit finish on interior and exterior stainless steel surfaces
- Neoprene O-ring
- Designed for vacuum operation
- Cover includes (2) 3” sight and charge ports and (1) 6” charge port, all with quick disconnect clamps
- Safety limit switch to prevent operation when cover is raised
- Dual post hydraulic lift to raise and lower cover
- Cone includes a 15 psi stainless type 304 jacket for heating or cooling
- Thermocouple in side wall of cone
- 2” manually operated flush type ball discharge valve in cone bottom
- 1/3 HP orbital arm and 1/2 HP screw explosion-proof motors are provided. The motor speeds are regulated by NEMA 1 inverters for 230 volt, 50/60 Hz, three phase input. Maximum orbital speed is 2.5 rpm, maximum screw speed is 100 rpm
- The entire blender and drives are mounted on a free standing frame
- All exterior non-stainless steel components are painted with a white two-part epoxy

**OPTIONAL FEATURES:**

- Wetted parts of carbon steel, stainless steel 316 or special alloys
- Internal pressure construction
- Sanitary type construction
- Openings as required
- Split and hinged cones for special applications
- Side access and clean-out ports
- Spherical and Knife gate discharge valves
- TEFC motors and controls
- Spray nozzles for liquid introduction
- Lumpbreakers for solids or agglomerates size reduction
- Dimpled or baffled jackets for heating or cooling
- Thermocouples for temperature readout
- Special gasket materials such as Viton are available
## 1 Cu. Ft. Vertical Blender Specifications and Dimensions

**Optional Slide Gate Valve** – ideal for dust-tight, liquid-tight, or vacuum-tight operation.

**Optional Spherical Valve** – pneumatically operated, this valve minimizes dead space and provides a large discharge opening.

<table>
<thead>
<tr>
<th>Model</th>
<th>Working Cap Cubic Feet</th>
<th>A - Upper Cone Diameter</th>
<th>B - Cone Height</th>
<th>C - Screw Diameter</th>
<th>Screw HP</th>
<th>Swing Arm HP</th>
<th>Screw RPM</th>
<th>Swing Arm RPM</th>
<th>Width</th>
<th>Depth</th>
<th>Raised Height</th>
<th>Lowered Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>V-1</td>
<td>1</td>
<td>22</td>
<td>29</td>
<td>4</td>
<td>1/2</td>
<td>1/3</td>
<td>100</td>
<td>2.5</td>
<td>49 1/4&quot;</td>
<td>35 1/8&quot;</td>
<td>92 1/2&quot;</td>
<td>74&quot;</td>
</tr>
</tbody>
</table>

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