The Feldmeier Bottom Sweep agitator is a low shear, non-foaming agitator suitable for use with products with viscosities up to 1,500 cps. It is of sanitary design and has proven mixing and cleaning performance. The impeller located as close to the bottom as possible ensures low level mixing performance, as well as the ability to mix varying batch sizes. The mixer is designed for low viscosity blending of liquids, keeping solids in suspension, maintain uniformity and aid in heat transfer. Typical products include milk, cream, ice cream mix, light syrups and fruit juices.

**Standard Features:**

1) Low level Bottom Sweep impeller.
   Low speed, non-foaming.

2) Sanitary bottom steady bearing for long life of gearmotor.

3) Adjustable/Removable baffle allows for adjustment of flow pattern. (Up to 60" Long).

4) Single fixed sidewall baffle (required for greater than 84" straight side).

5) Split spring loaded seal to contain CIP solution (sanitary design).

6) Oversized gear reducer with stainless steel shaft, stainless steel-it paint, and USDA approved lubricants. Severe washdown, inverter duty motor.

7) Rugged motor rails and support.

**Optional Features and Accessories:**

- Removable bottom steady bearing spider (Permits bearing replacement without tank entry)
- Numerous seal options for pressure/vacuum
- Shaft Guard
- Additional pumping turbine impellers on shaft.
- Stainless Steel motors and gear reducers
- Control packages including speed sensors and indicators, motor starters and VFD's.
- CFD simulation of mixer performance
## Feldmeier Bottom Sweep Agitator

<table>
<thead>
<tr>
<th>SIZE (GAL)</th>
<th>GENTLE-LOW FOAMING</th>
<th>MODERATE</th>
<th>TPM = TANK TURNOVERS PER MINUTE</th>
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<tbody>
<tr>
<td></td>
<td>HP</td>
<td>RPM</td>
<td>QTY</td>
</tr>
<tr>
<td>0-200</td>
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<td>21</td>
<td>1</td>
</tr>
<tr>
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<td>1</td>
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</tr>
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<tr>
<td>10,000-12,000</td>
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</tbody>
</table>

**Diagram:**
- **LIFT AND ROTATE BAFFLE** to control the degree of vortexing
- **REMOVABLE/ADJ BAFFLE DETAIL**
- **STAY BEARING DETAIL**
- **FLAT BOTTOM**
- **DISHED BOTTOM**
- **CONE BOTTOM (SEE DETAIL)**
- **'B' GEARMOTOR REMOVAL HEIGHT**
- **'C'-CLIP RETAINER**
- **WELDED SPIDER (REMOVABLE STYLES AVAILABLE)**
- **PLASTIC STEADY BEARING**
- **IMPELLER**
- **CLOCKWISE ROTATION**
- **STAY BEARING DETAIL**