The Feldmeier Scraper agitator is a low shear, scraped surface agitator designed to scrape the sidewall with plastic blades, giving a gentle blending and folding action for viscous products (up to 100,000 cps) and products with delicate solids. The scraper blades prevent the product from burning or freezing on the sidewall, and greatly enhances heat transfer on jacketed vessels. Typical products include: set yogurt, sour cream, meats and meat sauces, and condiments.

**Standard Features:**

1) Molded nylon scraper blades designed for CIP cleaning. The blades are attached without clips or other hardware that has the potential to fall into the product. Several materials available including metal detectable plastic.

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

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

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

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

6) Rugged motor rails and support.

**Optional Features and Accessories:**

- Removable bottom steady bearing spider (Permits bearing replacement without tank entry)
- Conical or Dished bottoms may be scraped.
- Numerous seal options for pressure/vacuum
- Shaft Guard
- Additional pumping turbine impellers on shaft
- Pitched flights added to frame for top to bottom motion of viscous products.
- Stainless Steel motors and gear reducers
- Control packages including speed sensors and indicators, motor starters and VFD’s.
- CFD simulation of mixer performance
Feldmeier Scraper Agitator

**Diameter (in)**

<table>
<thead>
<tr>
<th>Product Viscosity</th>
<th>Up to 10,000 CPS</th>
<th>Up to 100,000 CPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP RPM</td>
<td>'A'</td>
<td>'B'</td>
</tr>
<tr>
<td>0 - 35&quot;</td>
<td>2.0</td>
<td>21</td>
</tr>
<tr>
<td>36&quot; - 47&quot;</td>
<td>2.0</td>
<td>21</td>
</tr>
<tr>
<td>48&quot; - 59&quot;</td>
<td>3.0</td>
<td>15</td>
</tr>
<tr>
<td>60&quot; - 65&quot;</td>
<td>3.0</td>
<td>15</td>
</tr>
<tr>
<td>66&quot; - 71&quot;</td>
<td>5.0</td>
<td>12</td>
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<tr>
<td>72&quot; - 77&quot;</td>
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<tr>
<td>78&quot; - 83&quot;</td>
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<tr>
<td>84&quot; - 95&quot;</td>
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<td>11</td>
</tr>
<tr>
<td>96&quot; - 120&quot;</td>
<td>15.0</td>
<td>12</td>
</tr>
</tbody>
</table>

- **CCW Rotation**
- **Baffle Removal Height**
- **Removable Adj Baffle (Tanks Up to 60" Straight Side)**
- **SPLIT CIP Containment Seal**
- **'B' Gearmotor Removal Height**
- **'A' Diameter**
- **Baffle See Detail**
- **Lift and Rotate Baffle to Control the Degree of Vortexing**
- **Removable/Adj Baffle Detail**
- **'C'-Clip Retainer**
- **Welded Spider (Removable Styles Available)**
- **Plastic Bearing**
- **Steady Bearing Detail**
- **CIP Solution**
- **Reverse Taper Assists in Cleaning Back Side of Blade**
- **Molded Nylon Scaper Blade, Other Materials Available**
- **Scraper Blade Detail**
- **Fully Welded Rod Attachment, No Pins or Clips**

**Product Viscosity**

- **2.0** 21
- **3.0** 15
- **5.0** 12
- **7.5** 11
- **10.0** 11
- **15.0** 12