Waste Water Treatment
Live Bin Bottoms MU

Description ▼
MU Live Bin Bottoms (Multiple Screw Feeders) are equipped with a modular trough which encloses up to 6 shafted helicoid flight or paddle screws, flanged external, fully protected end bearing assemblies complete with manually adjustable packing gland and shaft seal, a rectangular outlet spout covering the entire width of the unit, bolted end plates, splined or bolted shaft couplings for medium-heavy-duty, flanged shaft couplings for heavy-duty version. Furthermore, MU Live Bin Bottoms are equipped with one gear motor per screw shaft or, depending on the application, a drive unit driving more screws.

Function ▼
MU Live Bin Bottoms are used to discharge difficult, extremely poorly flowing materials from polygonal hoppers or silos. In environmental technology for example, they are used for the extraction of biological or industrial from large storage hoppers.

Application ▼
Depending on the material to be discharged and handled, shafted or shaftless screws may be mounted.

Benefits ▼
✓ Promotes mass flow;
✓ Gives widest possible material extraction surface;
✓ Avoids bridging;
✓ Avoids segregation;
✓ Provides constant material extraction and feeding even with most difficult materials;
✓ Constant feed rates;
✓ Modular design allows easy access and individual custom-design features;
✓ High degree of self-cleaning.
**Waste Water Treatment**

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**Technical Features / Performance ▼**

- Screw diameters: 150mm (6 in) - 600mm (24 in)
- Up to six screws in one trough
- Open trough length ranging from 1,500mm (5 ft) to 4,000mm (13 ft)
- Trough casing and screws manufactured from carbon steel or stainless steel
- Medium-heavy-duty or extra-heavy-duty helicoid flight screws or paddle screws
- Medium-heavy-duty or extra-heavy-duty trough in modular flanged sections
- Vertical outlet spout with rectangular cross section or open trough flush outlet both with integrated drilled WAM® standard flanges
- Robust cast iron body flanged end bearing assemblies with external bearing units and manually adjustable packed gland seals
- Splined or bolted shaft couplings (medium-heavy-duty); flanged shaft couplings (extra-heavy-duty)
- Independent direct compact gear motor drive for each screw

**Overall Dimensions ▼**

![Diagram of Modular Components]

<table>
<thead>
<tr>
<th>Φ (mm)</th>
<th>A (m)</th>
<th>2 Screws</th>
<th>3 Screws</th>
<th>4 Screws</th>
<th>5 Screws</th>
<th>6 Screws</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>E (mm)</th>
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*This datasheet might not show the complete range but only the models most suitable for the application.*