Waste Water Treatment
Tubular Screw Feeders TU

Description ▼
TU Tubular Screw Feeders are highly versatile offering numerous solutions for feeding and conveying powdery materials. They are manufactured from carbon steel with a suitable surface finishing. They are made up from a tubular trough that is equipped with at least one inlet and outlet spout, a welded flange at each tube end, helicoid screw flighting welded on a centre pipe with a coupling bush at each end, two end bearing assemblies complete with self-adjusting shaft sealing unit, a number of intermediate hanger bearings depending on the overall length of the screw conveyor. Furthermore, TU Tubular Screw Feeders are equipped with a gear motor that suits the application. They come in a medium-heavy-duty design.

Function ▼
TU Tubular Feeders are highly versatile and offer a variety of standard solutions for handling powders. A powdery material such as lime is discharged from a silo, picked up by the TU Screw Feeder and fed into a milk of lime dissolver.

Application ▼
Lime is stored in a silo from where it is discharged by means of a vibratory bin activator into a screw feeder which transfers the lime to a dissolver for the preparation of milk of lime.

Benefits ▼
- Easy installation;
- Durable;
- Small diameter;
- Great efficiency;
- Precise feed rates;
- Modular design offering great variety of options;
- Optimum price-performance ratio.
**Technical Features / Performance**

- Powder-coated
- Wide range of outside tube diameters
- Outside tube complete with welded end flanges, one inlet, one outlet, inspection hatch beneath inlet and each intermediate hanger bearing
- Helicoid screw flighting welded on centre pipe
- End bearing assemblies complete with self-adjusting shaft sealing unit
- Splined shaft couplings
- Lifting eyes on each tube section
- Various types of screw flighting
- Reduced overall dimensions and compact design
- Small number of components and spare parts

**Overall Dimensions**

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<th>ø Inlet/Outlet</th>
<th>0°</th>
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<th>10°</th>
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<th>30°</th>
<th>35°</th>
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- Solution F With Flange
- Solution T With Beaded Edge

Beaded edges and flanges to be ordered as accessories
- For flange selection see catalogue
- Standard diameter unless specified otherwise

This datasheet might not show the complete range but only the models most suitable for the application.