

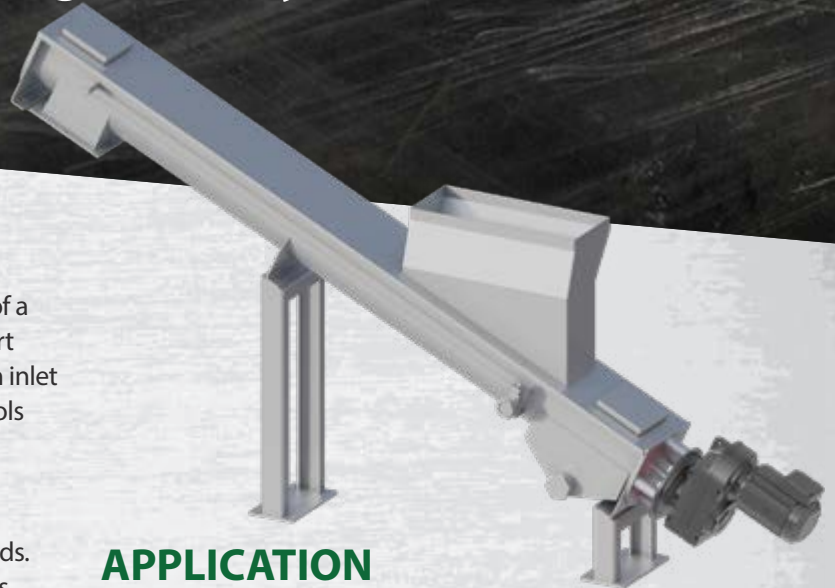
ULB-T/USB-T SERIES Drainage and Non-drainage Conveyors

The ULB-T and USB-T Series of drainage and non-drainage conveyors are suitable for conveying most solids and are designed for the final stage of solids removal in industrial and municipal wastewater applications. The unit consists of a spiral assembly (shaftless ULB-T or shafted USB-T), transport housing with drainage screen and drain outlet, covers with inlet and outlet fittings, drive system, mounting legs, and controls (optional).

Standard units are available in 6, 8, 10, 12, 16 and 20-inch models to handle from 1 to 16 cubic yards/hour of wet solids. Length of the conveyor is based on customer requirements.

METHOD OF OPERATION

The conveyor is designed to receive a solids mixture by gravity. The residual wastewater containing the solids enters the inlet fitting of the conveyor. The lower portion of the drainage section allows excess fluid to be discharged from below the inlet fitting. The solids are then conveyed to the discharge fitting.



APPLICATION

The screw conveyor is a robust and reliable technology used in all manner of industrial and municipal applications. It is typically used to transport solids, semi-solids, and non-flowing solids.

Food production

- Grain transport
- Animal feed systems
- Vegetable processing
- Meat processing
- Processed foods

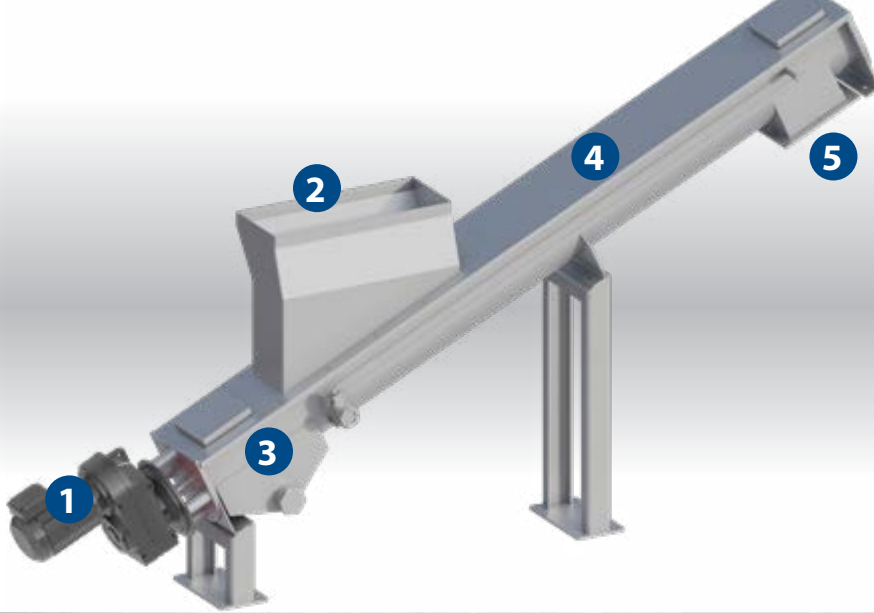
Municipal wastewater

- Trash
- Sludges
- Biosolids

Industrial

- Pulp and paper
- Plastics
- Recycling





ULB - USB DETAILS

1. Motor direct-coupled to helical gear reducer
2. Inlet
3. Drainage section with nylon brushes
4. Screw auger
5. Outlet



FEATURES

- 304 stainless steel construction
- Inspection port with easy-access hatches
- Shaft-mounted TEFC motor and gearbox
- Fully enclosed

OPTIONS

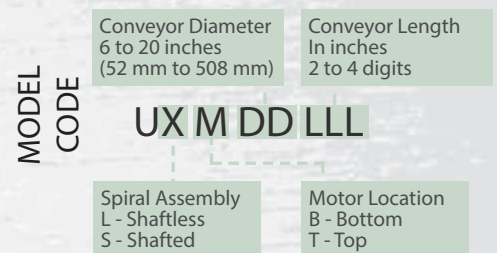
- 316 stainless steel or 2205 duplex construction
- Custom inlet/outlet configurations
- Drainage section with mounted nylon brushes
- Cold weather package
- Explosion-proof EX Class 1 Div 1 or EX Class 1 Div II
- Control panel for automatic operation

Conveyor Series Capabilities

The screw conveyor will have the following capacity of screenings at 35% loading @ 18 RPM – municipal sewage

Model	Diameter - inches (mm)	yd ³ /hr	ft ³ /hr	m ³ /hr
ULB-T6XXX	6 (152)	1	27	0.77
ULB-T9XXX	8 (229)	2.6	70	2
ULB-T10XXX	10 (254)	3.3	90	2.5
ULB-T12XXX	12 (305)	5.2	140	4
ULB-T16XXX	16 (406)	9.6	260	7.4
ULB-T20XXX	20 (508)	16.3	440	12.5

This chart is only to be used as a guide. The capacity of the conveyor may vary due to the characteristics of the solids material, feed consistency, feed rate, bulk density and/or on-site testing. For specific sizing inquiries please contact JWC Environmental.



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