FOR THICK PRODUCTS
PRODUCT GROUP T
BTVE, BTHE, BTH RANGES
OPTIMAL FEEDING.

BTVE, BTHE and BTH range open hopper pumps are made with a feed hopper and feed screw, for pumping highly viscous non-flowable products with a high dry solids content.

APPLICATIONS

BTVE, BTHE and BTH pumps are suitable for many applications in agriculture; renewable energy; breweries and distilleries; ceramics; paint, varnishes and electroplating; fish, meat and poultry processing; paper and cellulose; wood; textiles; chemicals, petrochemicals and bio-chemicals and environmental waste disposal.

They also expertly handle dewatered sludge in wastewater treatment plants, fermentation substrates for biogas production, fruit and vegetable waste and also paper stock.

FEATURES

- Enlarged feed hopper with vertical walls to prevent bridging
- Feed hopper length adjusted according to the customer's operating conditions
- Sliding compression casing offers increased ease of maintenance and productivity (optionally available for BTHE and BTH ranges)
- Flanged connection on the hopper for flushing or dilution
- Interchangeable ranges with identical installation dimensions

KEY FACTS

- Conveying capacity: up to 120 m³/h (530 USGPM)
- Pressure: up to 36 bar (525 psi)
- Dry solids content: BTVE: up to 32% BTHE: up to 45% BTH: up to 45%
FOR HIGH VISCOSITY: BTVE.

BTVE range pumps are equipped with an enlarged rectangular feed hopper, a separate sliding compression casing with an enlarged cross section and an auger feed screw with an extended pitch and enlarged diameter. These pumps are used for conveying highly viscous products. By sliding the compression casing, it is possible to access and disassemble the rotor-sided joint with the pressure branch and stator in place. This results in increased ease of maintenance.
FOR HIGH DRY SOLIDS: BTHE AND BTH.

BTHE and BTH range pumps are equipped with an enlarged rectangular feed hopper, a separate conical compression casing and an auger feed screw with an extended pitch and enlarged diameter. These pumps are used for conveying viscous products with a high dry solids content that are prone to bridging. Optionally, a sliding compression casing can be used for quick and easy maintenance.

**Compression Casing**
Conical casing ensures optimal feeding of the medium into the conveying elements. Optional sliding compression casing for quick and easy maintenance.

**Full Screw**
Additional auger feed screw inside compression casing reduces backflow of medium, ensuring optimized filling of the pump cavities.

**Feed Hopper With Liner**
With vertical hopper walls and a generous cross section. The hopper liner stabilizes the ribbon screw and protects it against wear. The hopper length can be individually fabricated.

**Rotor and Stator**
Optimized compression between the rotor and stator using wear-resistant and corrosion-resistant materials. A wide range of alloys, coatings and elastomers are available for each.

**Shaft Seal**
Packing or mechanical seals are available in many material combinations.

**Universal Joint Sleeve Protection**
Made from stainless steel and protects the joint against mechanical damage.

**Flush Connection**
Connection for cleaning, emptying or diversion.

**BTH Ribbon Screw Drive**
The auger speed can be varied to suit the product characteristics and reduce or vary the amount of shear.