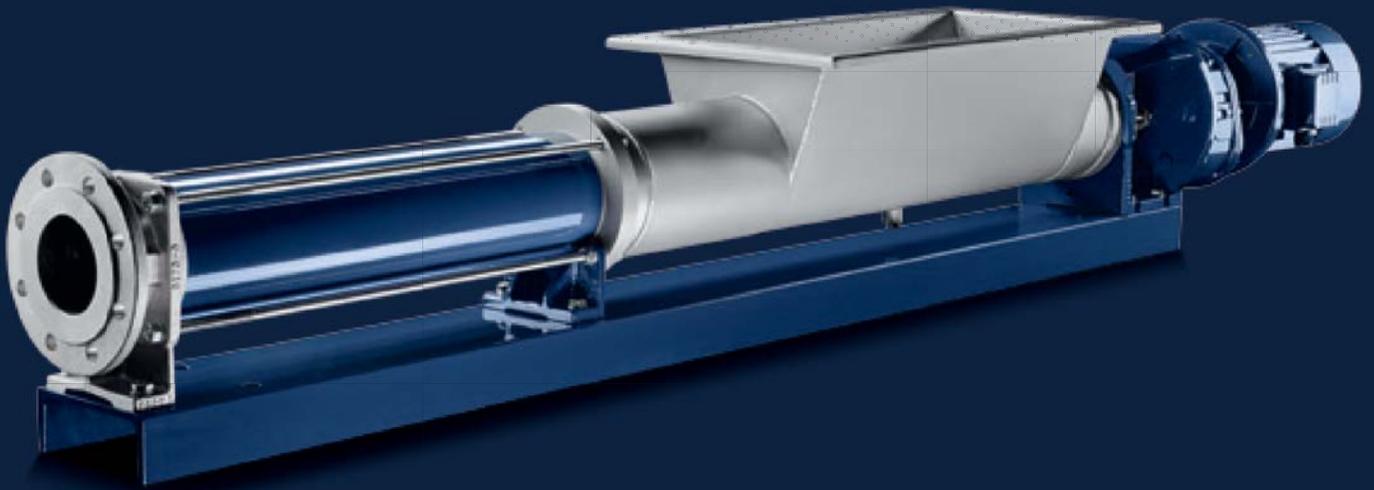


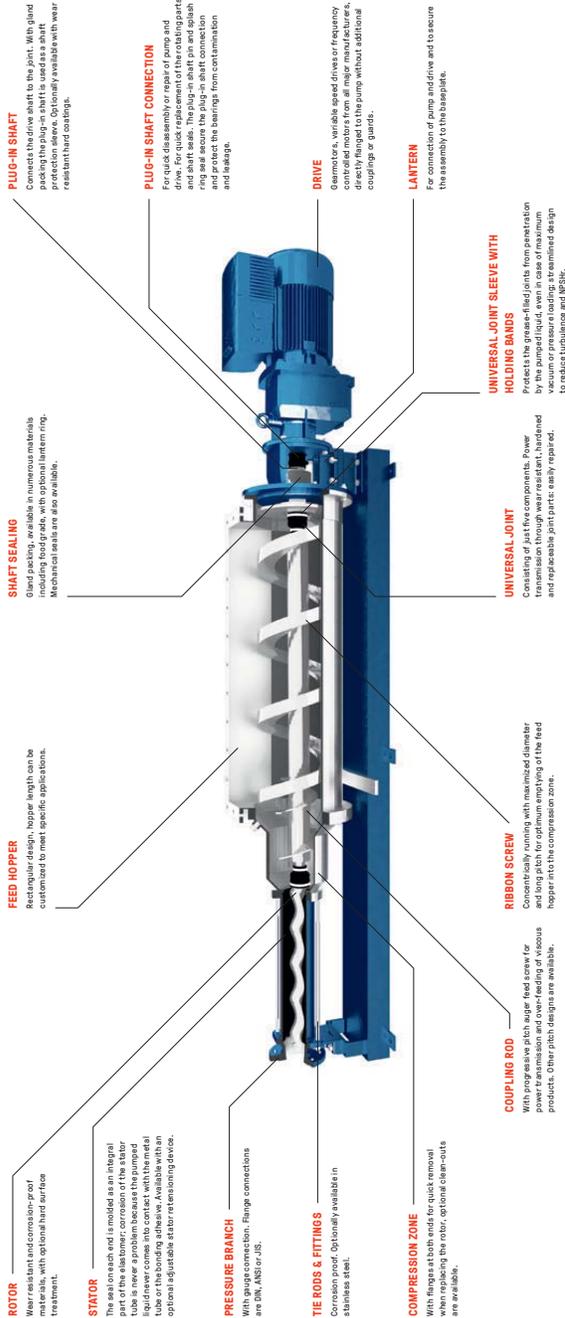
SEEPEX.
ALL THINGS FLOW

FOR VISCOUS PRODUCTS PRODUCT GROUP T



FOR HIGH SOLIDS CONTENT.

SEPEX open hopper pumps handle viscous products with or without entrained solids that have little or no flowability. They come in nine ranges with multiple variations within each range and are suitable for nearly all industries.



Picture: BTR range pump

OVERVIEW OF RANGES

BT0 RANGE

BT0 range pumps are identical in length to the pumps of the BT range and feature a cast grey iron, square shaft and an auger feed screw for enhanced product feed. They are used for pumping medium to highly viscous products with some degree of flowability.



BT RANGE

BT range pumps feature a rectangular feed hopper with compression zone and auger feed screw. They are used for pumping highly viscous media with a low degree of flowability.



BTM RANGE

A special characteristic of the BTM range is the patented chopping system integrated into the compression zone. This ensures the rotating auger in the compression zone is able to chop the product into smaller particles as a variety of solids, integrated into a closed system. The pump permits maceration with direct conveying in the following pipe work.



BTR RANGE

BTR range pumps feature an enlarged rectangular feed hopper and a compression zone with an enlarged cross-section as well as an auger feed screw. They are used for pumping highly viscous products that do not flow by over-feeding and circulation within the compression zone. This will increase the shearing action inside the pump and lower the apparent viscosity of isotropic media.



BTI RANGE

BTI range pumps feature a rectangular feed hopper with an integral bridge breaker. The compression housing is removable for service work. Pumps of this range are used for pumping highly viscous products that do not flow by over-feeding and circulation within the compression zone. They can also be used to mix granular products like vitamins used for baby food.



BTIE RANGE

BTIE range pumps feature a feed hopper with vertical hopper walls and a ribbon screw rotating concentrically. This variant is optimum employing elements of the pump.



BTII RANGE

The BTII range pumps have a square shaft type of product pump. It is characterized by a separately driven, concentrically rotating ribbon screw with an unmixer diameter and a long pitch length. Through separate control of the conveying screw speed, the BTII pump can be used for pumping granular products that do not flow by over-feeding and circulation within the compression zone. Even media that tend to bridge can be handled with ease due to the large screw diameter of the BTII pump. The BTII range is the technical optimum solution for a shear-thinning product.



BTE RANGE

BTE range pumps feature an enlarged rectangular feed hopper and a compression zone with an enlarged cross-section as well as an auger feed screw. They are used for pumping highly viscous products that do not flow by over-feeding and circulation within the compression zone. This will increase the shearing action inside the pump and lower the apparent viscosity of isotropic media.



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SEEPEX GmbH
www.seepeex.com

APPLICATIONS

SEEPEX open hopper pumps have a feed hopper and an auger feed screw to positively feed products into the pumping elements. The pitch and diameter of the auger can be adjusted according to operating conditions for optimal product feed. The feed hopper can be designed to suit diverse application conditions. They are suitable for many applications in agriculture, biogas, brewing and distilling, ceramics, confectioneries, construction, doughs and creme fillings, dyes, paint and varnish, electroplating, fish processing, fruits, vegetables, pharmaceuticals, cosmetics, poultry and meat processing, oil, natural gas liquids, petrochemicals, shipbuilding, sludge dewatering and treatment, wastewater treatment, paper stock, textiles, wood treatment, glues, adhesives, mastics and wineries.

FEATURES

- Open hopper and auger feed screw design
- Optimum product handling: open hopper and auger feed screw are customizable for each application
- Easy maintenance due to quick access to the joints, removable compression zone, the BTES closure mechanism and the plug-in shaft connection
- BTM range pumps incorporate cutting knives for chopping and/or crushing of the pumped product
- Robust design for demanding applications
- Liquid addition points in the hopper and compression zone

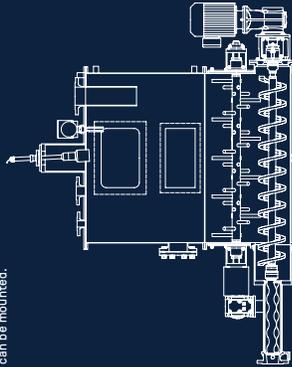
KEY FACTS

- Conveying capacity:
50 l/h–500 m³/h (0.220–2,200 USGPM)
- Pressure:
Standard 36 bar (540 psi),
48 bar (720 psi) upon request

OVERVIEW OF RANGES

BTEI RANGE

The BTEI range is a further development of the proven BTI and BTE ranges. In addition to a bridge breaker/mixing device, it features an enclosed buffer tank that can be adapted to the application conditions on site. This buffer tank replaces a separate storage tank, saving space within the system. Numerous process monitoring devices, like level sensors, can be mounted.



BTEX RANGE

The BTEX range with its robust design and reinforced components is used in extreme applications in the agriculture and biogas industries. In these applications, the conveyed products can contain solids like stones, pieces of wood or metal parts. During the pumping process, debris is separated from the media in the hopper/compression housing unit and can be easily removed via the large inspection openings. A significant feature is the removable compression housing, which greatly simplifies maintenance. Depending on the application, the connections in the hopper/compression housing can be used for feeding the liquid during mixing.

