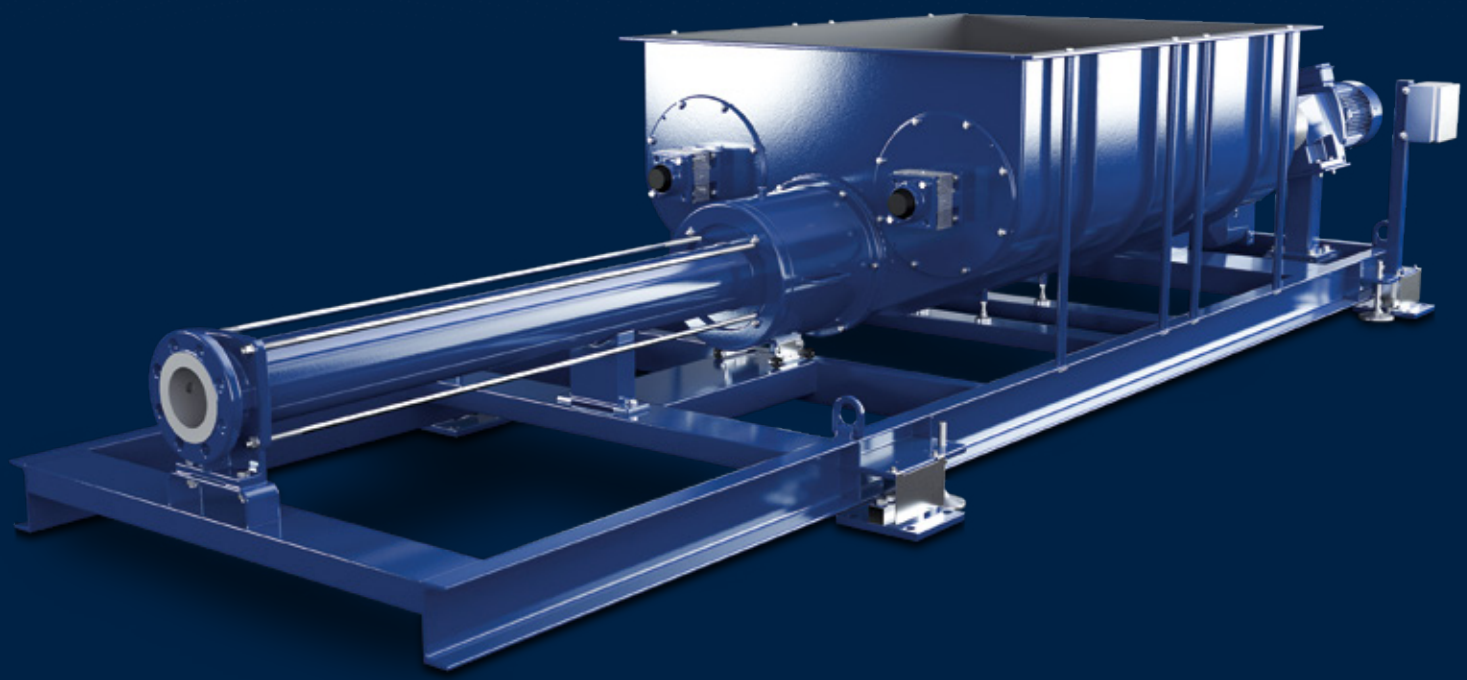
SEEPEX.
An Ingersoll Rand Business

OPTIMIZED SLUDGE TRANSFER AND STORAGE
BTVI RANGE



BTVI

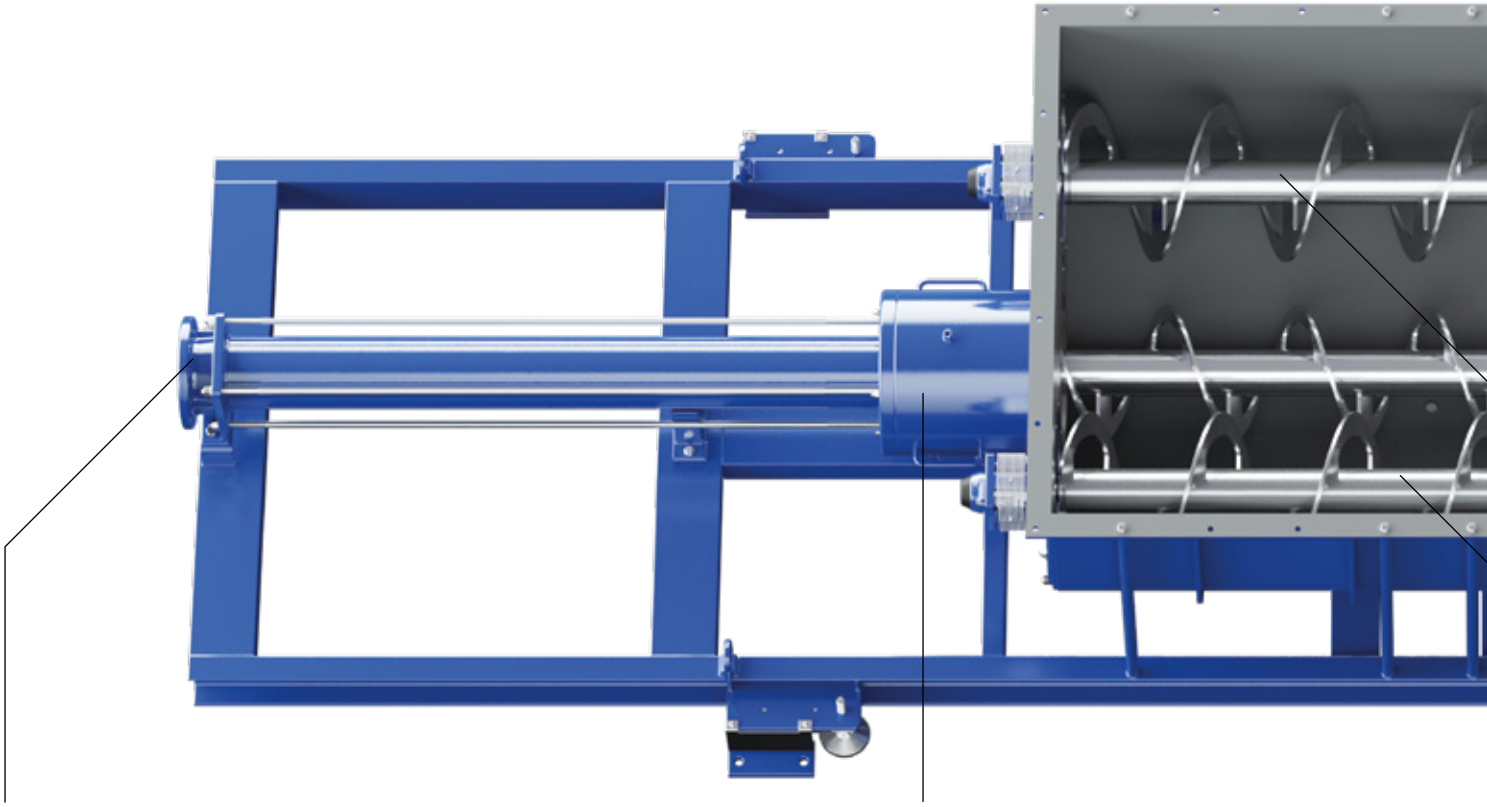
MAXIMUM PRODUCT IN-FEED.

BTVI progressive cavity pumps from SEEPEX feature a significantly enlarged inlet hopper. Thanks to a flexible modular system, the feed hopper volume can be scaled up to 9 m³ to accommodate high-capacity requirements.

The BTVI pump ensures continuous and reliable product feeding. Two counter-rotating screw conveyors provide active bridge breaking and uniform mixing, even with diverse, challenging or non-free-flowing media.

The result: stable processes, high operational reliability and consistent product quality.

This is particularly beneficial for applications involving the feeding of drying systems, processes requiring a large sludge buffer volume and operations where intensive mixing of diverse or mixed sludge is required. Additional options such as dry-run protection, pressure monitoring and level control can complement the system.



ROTOR AND STATOR

Optimized clamping between rotor and stator. Numerous options are available for ideal adaptation to the application.

COMPRESSION HOUSING

Movable, separate compression housing (Rotor Joint Access) ensures fast and easy maintenance.

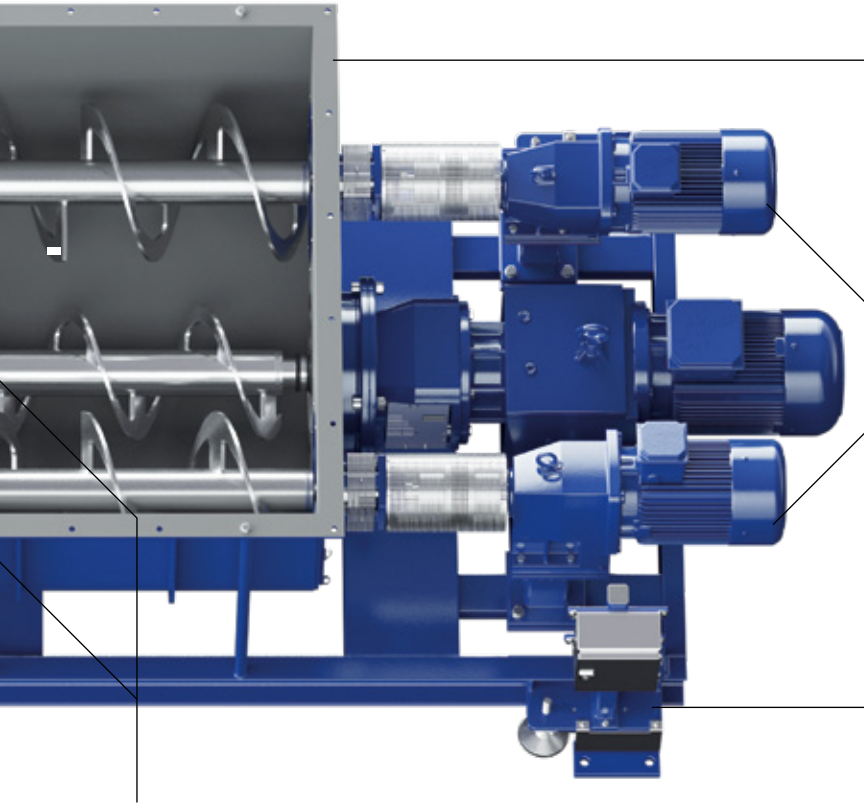
FEATURES

FEATURES AND BENEFITS

- Expanded product feed capacity of up to 9 m³
- Reliable bridge breaking and optimal mixing due to the twin auger screws with opposing pitch
- Exceptional process stability even with varied or non-free-flowing media
- Simplified and quick maintenance of the joints with Rotor and Drive Joint Access (optional)

KEY FACTS

- Conveying capacity: up to 30 m³/h (132 USGPM)
- Pressure: up to 24 bar (350 psi)



INLET HOPPER

Widened hopper for large material volumes. Modular expansion possible up to 9 m³.

DRIVES

Separate drives enable independent adjustment of the mixing and feeding process.

LOAD CELLS

To control the pump depending on the fill level.

SCREW CONVEYORS

Two counter-rotating screw conveyors reliably mix free-flowing and non-free flowing media while actively preventing bridging. The main conveyor screw ensures a uniform material flow to the pump unit.

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SEEPEX GmbH
www.seepex.com

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