

BSTM



PURA

POMACE PUMP



The olive oil pomace pump is an industrial unit used to transport pomace (olive pulp) and other solid residues that remain after the oil extraction process. It is specifically designed to enhance efficiency and simplify waste handling in frequently used olive processing plants.

Pura Pomace Pump

Application: The removal of pomace discharged from the decanter is a crucial step in maintaining a smooth and continuous olive oil production process. **BSTM pomace pumps** operate with high-powered motors to ensure uninterrupted transfer, even when handling dense, fibrous, and highly viscous pomace. Fully compatible with all system types, these pumps not only enhance efficiency in olive oil mills but can also be effectively used in **biogas plants** for organic waste feeding and in **organic agriculture** for the transport of natural fertilizers. This versatility makes them a reliable solution for both industrial and sustainable applications.

Benefits:

- **No consumable parts required:** Eliminates unnecessary operating costs.
- **Long service life:** Built with durability to withstand the harsh conditions of continuous operation.
- **Wear-resistant construction:** Special materials prevent abrasion caused by fibrous and abrasive pomace.
- **High performance motor:** Easily handles viscous and dense pomace, ensuring smooth flow.
- **Multi-purpose use:** Equally suitable for olive oil production, biogas applications, and agricultural fertilizer handling.

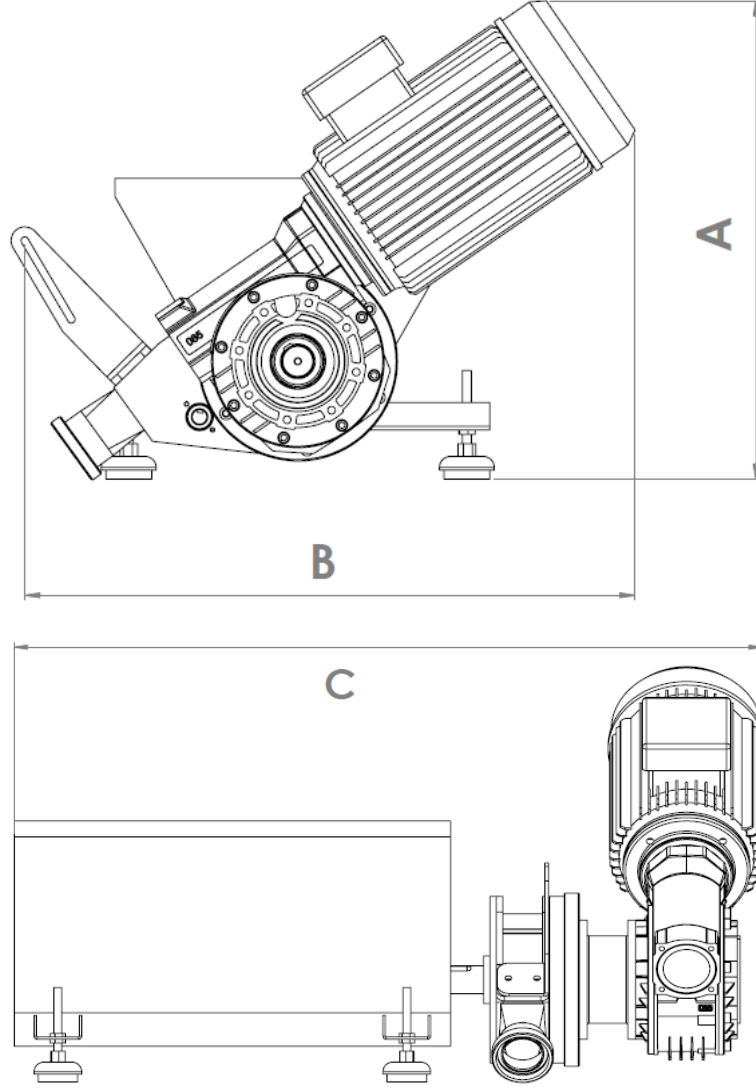
Design: An **elliptical rotor type** was chosen for the pump, a proven technology widely used in many industries for its reliability and low failure rate. BSTM's robust design prevents clogging and ensures smooth transfer of pomace from the decanter to the waste system. Each unit includes **one motor and one reducer**, delivering long service life with minimal maintenance. All contact surfaces are made of **stainless steel** for hygiene and durability. The pump operates at **variable speeds**, giving operators flexibility and control.

Working Principle: Pomace

discharged from the decanter is poured into the hopper and immediately taken in by the pumping system. A **spiral screw mechanism** conveys the material along the pipeline, while the elliptical rotor maintains a consistent flow without damaging the fibrous structure. With the assistance of high pressure, the pomace is delivered to the designated outlet smoothly and efficiently.

This principle of operation makes the system especially well-suited for handling heavy, abrasive, and high-moisture materials, guaranteeing a reliable and continuous workflow.

Technical Drawings:



Technical Specifications:

Model	Motor Power	Capacity	A (mm)	B (mm)	C (mm)
Pura 300P	0,75 kW	2000 kg/hour	420	600	850
Pura 600P	2,2 kW	4500 kg/hour	525	670	945