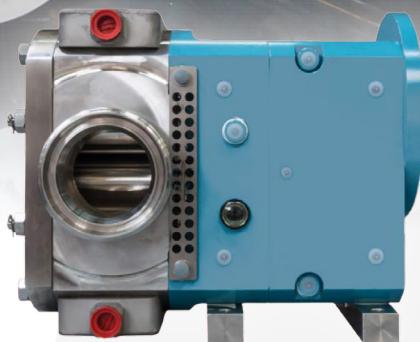


TRANSPORT SOLUTIONS

# STP

## POSITIVE DISPLACEMENT PUMP



### Discover the Innovative Power of the STP Gardner Denver Positive Displacement Pump

**Drive Options for Every Need:** Whether you prefer mechanical, electric or hydraulic drives, the STP rotary lobe pump offers versatility that adapts to your specific requirements. Its built-in adaptability makes it an excellent choice for a variety of industrial applications.

**Certified Reliability:** STP rotary lobe pump is not only 3A/FDA certified, but also complies with the ATEX guidelines, making it perfect for use in both the chemical and food industries. The option of CIP (Cleaning in Place) and SIP (Sterilisation in Place) ensures unrivalled hygiene and safety during the cleaning processes.

**Revolutionary Serviceability:** The innovative 'front loading seal' system of the STP pump range allows you to replace all shaft seals quickly and easily without dismantling the pump housing. This minimizes downtime, and maintenance costs, while maximizing cleanability and accessibility. Available with o-ring, lip and mechanical seals, our pump offers a maintenance-friendly solution that simplifies your operations.

#### Main Characteristics

**Flexible and Efficient Fluid Handling:** The STP rotary lobe pump is synonymous with exceptional performance in pumping fluids for a wide range of industrial applications. With its advanced design, this pump is ideally suited for use with tankers, containers and storage tanks, providing a solution for pumping both high and low viscosity liquids.

**Exceptional Lightweight Design:** This model is distinguished by its lightweight aluminum gearbox and corrosion-resistant stainless steel pump housing, ensuring robust and durable operation. The pump can handle a discharge pressure of up to 10 Bar and is designed to be seamlessly mounted on trucks, tank trailers or designed as a mobile skid for maximum flexibility.

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### Advantages at a Glance:

- Lightweight and compact for easy integration
- Suitable for a wide range of liquids
- Versatile due to many options in drive, seal, port selection and connections
- Meets strict industry standards: 3A/FDA and ATEX
- Quiet and efficient

#### Performance

**Flow rate:** 63 m<sup>3</sup>/h, 0 bar, 1 cSt

**Speed:** 0 – 1000 rpm

**Working pressure max. (bar):** 10 bar

**Viscosity:** 1 to 100.000 cP

**Temperature:** 70 °C (CIP/SIP up to 130 °C)

**Connections:** 3", 4" DIN, SMS, BSP or RJT

**Material version:** housing, shafts and rotors: stainless steel

**Standards and directives:** 3A and FDA standard (sanitary), ATEX, WRAS

**Shaft seal:** o-ring, lip seal, single mechanical seal

**Material seals:** NBR, EPDM, FPM (viton), PTFE

**Direction of rotation:** left and right

**Pump Dimensions (lxwxh):** 373x289x287 mm.

**Propulsion:** P.T.O., hydraulic, electric or internal combustion engine

**Weight:** 63 kg

**Other options:** heating seats, overpressure protection on pump cover, close coupling

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#### STP CC Main Characteristics

STP20/CC/106/10 model same as standard STP20/106/10, but integrated with close coupled IE3 7.5 kW geared motor

**Advantages:** weight and space saving

**Features:**

• **2 drive speed options:** 271 or 468 rpm

• **2 voltage supply options:** 230-400v/3/50Hz or 400-690v/3