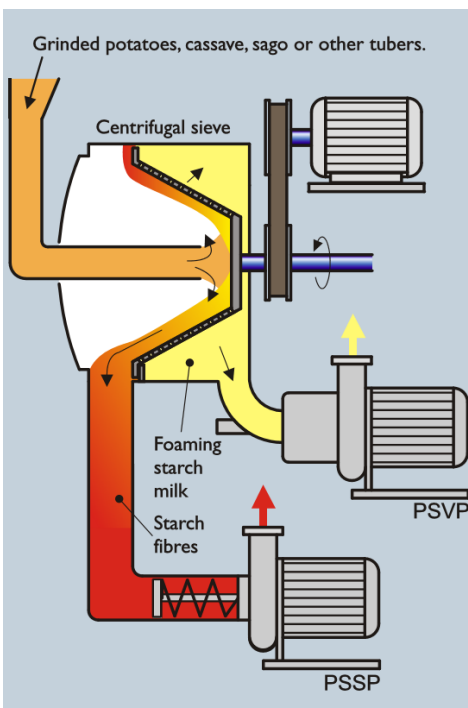


PS Sanitary Pumps for Starch Production



The PS Series of Stainless Steel AISI 316 Pumps has been designed specifically for use within starch production processes. Characterised by smooth internal finishes, optimal hydraulic performance as well as their unique and modular design with ample sealing choices, means these pumps are a perfect, one-stop, solution for all duties affiliated with the different stages in starch production.

The range consists of 4 different pump types:

PSSP – Pumping of Fibrous slurries

PSVP – Pumping of Foaming slurries

PSCP – Pumping of partially de-foamed starch milk

PSCP-ZA – Self Priming and used as an alternative to PSVP

These can be supplied in the following possible configurations:

DSV(F) – Close Coupled on a Stainless Steel Baseplate.

DSV(MF) – Close Coupled on a Stainless Steel Baseplate & Motor fitted with Stainless Steel Shroud.

DSM – Close Coupled & Motor fitted with Stainless Steel Shroud and 3 Adjustable Stainless Steel Feet.

Other configurations can be supplied on request.

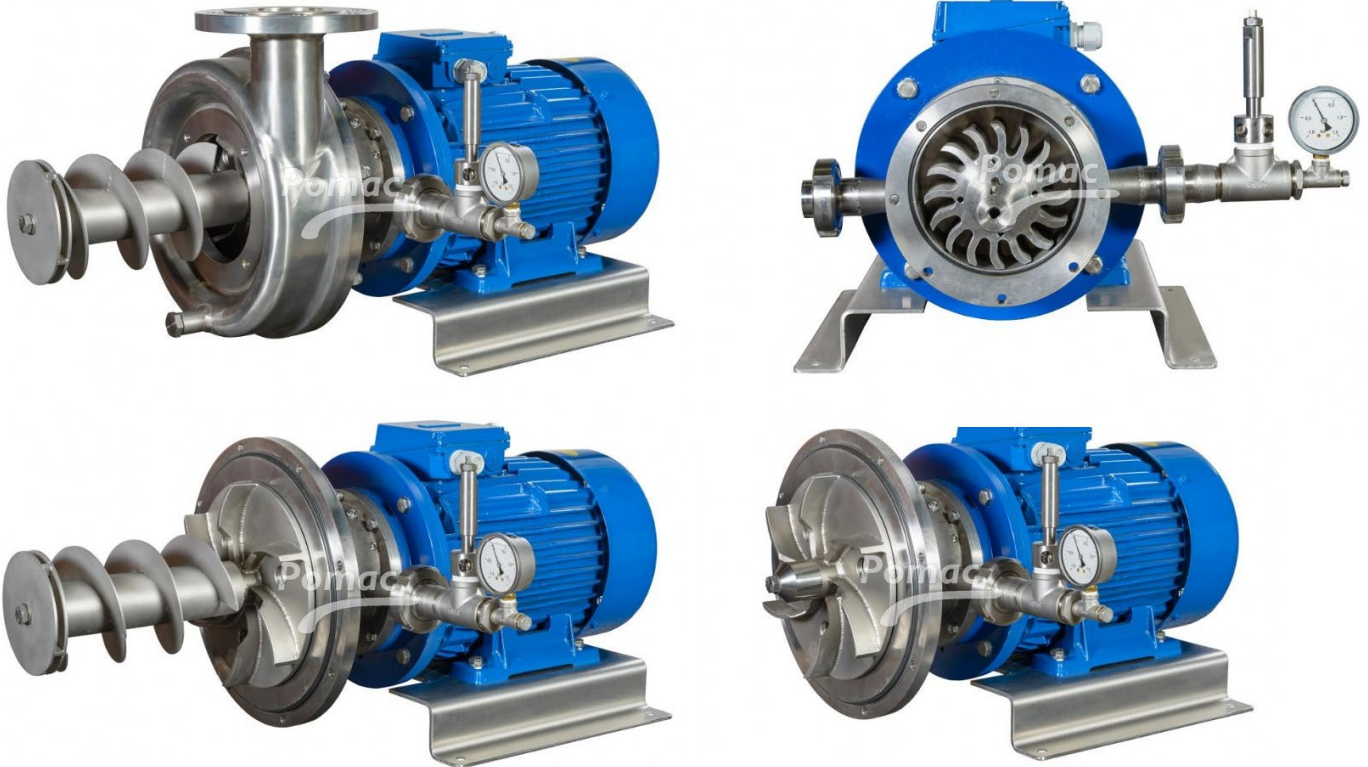
The following connection types are available:

- Couplings according to DINI 11851, RJT, SMS etc...
- Tube Connections according to NEN 1472 & DIN 1850
- Flange Connections according to DIN 2576
- Tri-Clamp

- Customer Specific

Pump Types:

PSSP – Pumps for Fibrous Slurries



Max Capacity: 60 m³/hr @ 0.3 Bar

Specifically designed for pumping fibrous slurries in the starch production process. The close coupled screw which can be attached to the eye of the impeller ensures a constant flow to the impeller whilst the entrained gases are evacuated through the inner channel of the screw.

Depending on application requirements the pump can be fitted with the following options:

- Single or Double Mechanical Seal with Fat Lubrication
- Single or Double Mechanical Seal with Quench
- Vacuum & Pressure Gauges
- Drain Connection

PSVP – Pumps for Foaming Slurries



Max Capacity: 60 m³/hr @ 0.8 Bar

Specifically designed for pumping foaming slurries in the starch production process. It is fitted with a special inlet with guide blades which facilitates the transportation of the slurry which is entrained with gases or foam into the pump casing. The fluid is deaerated or de-foamed in its de-foaming compartment before being evacuated. If the fluid also contains fibres then a spiral screw can be fitted on to the eye of the impeller.

Depending on application requirements the pump can be fitted with the following options:

- Spiral Screw
- Single or Double Mechanical Seal with Grease Lubrication
- Vacuum Nozzle
- Vacuum & Pressure Gauges
- Drain Connection

As standard these pumps are not self priming so, as an alternative, the PSCP-ZA can be offered as an alternative.

PSCP – Pumps for partially de-foamed Starch Milk



Specifically designed for the transfer of partially de-foamed Starch Milk to hydro-cyclones within the starch production process. The principle of design is based around high efficiency, low maintenance costs and ease of assembly and disassembly, such as back pull-out of the front cover / casing.

Depending on application requirements the pump can be fitted with the following options:

- Various Impeller types
- Numerous Mechanical Seal types & material combinations
- Various O-Ring materials
- Low Surface Roughness
- Drain Connection