



Not just words on paper

Rotary Lobe Pumps for Pulp and Paper



Media

- Alum
- Anti-foaming Agents
- Black Liquor
- Calcium Carbonate
- Carboxy Methyl Cellulose (CMC)
- China Clay Slurries
- Dyes
- Latex
- Rosin
- Starch
- Tall Oil
- TiO₂

Application

- Chemical Dosing
- Coating Feed
- Coating Recovery
- Sizing
- Transfer

As a recognised market leader in pumping technology SSP has been at the forefront of supplying rotary lobe pumps to the pulp and paper industry for over 50 years.

SSP rotary lobe pumps are to be found in numerous processes, including the Coating Kitchen, at the Size Press and on the Coating Section; all providing gentle handling of shear sensitive media and long trouble free service.

The SSP Advantage

- **Cost effective easy maintenance**
Low running and maintenance costs and easy access to pumphead minimising downtime, results in a reduced lifecycle cost (LCC).
- **Low shear pumping**
Minimal damage to extremely shear sensitive media, such as latex and starch based coatings.
- **Ability to pump abrasive media**
Non-contacting pumphead design ensures that abrasive particles do not cause excessive wear.

- **Indefinite dry running capability**
Avoiding pump components shedding into pumped media.
- **Easy re-start**
Low breakout torque following machine stoppages.
- **Compact design**
Occupies considerably less floor space than other pump technologies.



Series S pump in foreground on clay recovery
Series A pump in background on paper coating

Rotary Lobe Pumps - *Right first time, every time*

SSP offers the broadest range of rotary lobe pumps available in the world today, channelled exclusively through a selected worldwide distribution network, and directly from the company's production facility located in Eastbourne, England.

Series S

SSP Series S stainless steel rotary lobe pumps suitable for a variety of process and transfer applications.

- Flow rates up to 106 m³/h
- Differential pressures up to 20 bar
- Port sizes 25 - 150 mm



Series D

SSP Series D ductile iron rotary lobe pumps fulfill positive transfer duties throughout industry by providing durable cost effective performance.

- Flow rates up to 180 m³/h
- Differential pressures up to 15 bar
- Port sizes 80 - 150 mm



Series A&G

SSP Series A and G rotary lobe pumps are designed for high volume transfer duties and are amongst the world's largest pumps of this type.

- Flow rates up to 680 m³/h
- Differential pressures up to 10 bar
- Port sizes 150 - 300 mm



Proprietary Seals

The optimum proprietary primary seal will be selected to suit the pumped media and duty conditions. Please consult our Technical Support for further advice.

Bearing Isolators

SSP rotary lobe pumps can be supplied fitted with bearing isolators, a mechanical device that isolates the bearings from its environment ensuring that the bearings are kept properly lubricated and uncontaminated throughout its projected design life. The bearing isolator is designed to outlast the life of the pump bearings, thereby reducing maintenance costs.

Rheology Testing

In specifying a rotary lobe pump for a particular application, a crucial consideration is an understanding of how the pumped media will behave in the pump, connecting pipe work and associated equipment.

Our on-site laboratory is equipped with a computerised rheometer to be able to determine a fluids viscous behaviour. As the only rotary lobe pump manufacture in Europe with this facility that we know of, we feel this service is invaluable ensuring our philosophy of right first time, every time.

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Alfa Laval reserves the right to change specifications without prior notification.

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