



**Pumps & Pump Systems Since 2005**

**SSP (Alfa Laval) Rotary Lobe P.D. Pumps from Verder-US**



**50 Years of Experience in Lobe Pumps**



SSP (Alfa Laval) rotary lobe pump technology offers more than 50 years of experience providing reliable high-end pumps that run year after year, with minimal maintenance.

To meet every need and to serve the broadest application areas SSP (Alfa Laval) offers seven series of pump models, each with its own specific user benefits such as high volumetric efficiency, low energy consumption, compact size, robust construction, reversible flow, and ease of maintenance.

The key to SSP (Alfa Laval) lobe pump longevity is the "AIR-GAP".

A physical separation between the pump head and gear case prevents cross contamination of the gear oil or process fluid, allows visual inspection of the mechanical seal, and allows the customer to use their preferred seal vendor brand and type (other brands couple the pump head directly to the gear case with proprietary seals resulting in catastrophic gear failures whenever a mechanical seal fails).

SSP (Alfa Laval) sludge pumps include hard urethane coated rotors with slotted tips. The slots allow for the safe transmission of grit and small solids through the pump without scoring or causing major wear to the pump components.

Additionally SSP (Alfa Laval) lobe pumps have four bearings per shaft standard (other brands standardize on two per shaft), and utilize involute splines to fix the rotors to the shafts (other brands use shaft keys which do not last as long).

SSP (Alfa Laval) lobe pumps are truly built to last with some installations running continuously since the 1980's.

**Municipal & Industrial Applications**

Water & Wastewater (Municipal & Industrial)	Oil & Gas	Chemical Manufacturing	Pulp & Paper	Mining
Primary Sludge	Heavy Crude	Acids	Alum	Thickened Sludge
Secondary Sludge	Bunker Oil	Adhesives	Anti-Foaming Agents	Slurries
Thickened Sludge	Waste Oil	Detergents	Black Liquor	Emulsions
Digester Sludge	Bitumen	Inks	Calcium Carbonate	Chemicals
Scum	Drilling Mud	Paints	CMC	Others
Slurries	Gasoline	Petrochemicals	Clay Slurries	
Raw Sewage	Diesel	Plastics	Dyes	
Other Wastes	Jet Fuel	Soaps	Latex	
Polymers	Solvents	Solvents	Rosin	
Other Chemicals	Others	Others	Starch	
			Tall Oil	
			TiO2	

**Please Contact Us**

- > 780-469-4170 (Local Edmonton Area)
- > 1-866-469-4170 (Toll Free in B.C., Alberta, and Saskatchewan)
- > [www.jeffpro.ca](http://www.jeffpro.ca) (General E-Mail Box)





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### JeffPro Fluid Solutions & Verder-US



SSP (Alfa Laval) rotary lobe pumps, packaged systems, parts, and engineering information is available from JeffPro Fluid Solutions, and backed by Verder-US for North America.

Pumps and packaged systems are custom engineered to your application parameters.

JeffPro Fluid Solutions is the authorized Distributor and Representative for SSP (Alfa Laval) Rotary Lobe P.D. Pumps in British Columbia, Alberta, Saskatchewan, and Northern Canada.

Please contact us for more specific design information, quotes on pumps or parts, or a presentation on SSP (Alfa Laval) Rotary Lobe P.D. Pumps. We would be happy to discuss your application with you.



### Pump Series Guide

Pump Series	D	A & G	S	X	N	M	L
Maximum Flow (m3/hr)	180	681	106	114	2.3	1.4	49
Maximum Pressure (kPa)	1485	1000	2000	1485	690	690	793
Maximum Speed (RPM)	750	750	1000	1200	1000	1360	1000
Maximum Viscosity-cP	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Maximum Fluid Temperature	200° C	200° C	200° C	150° C	100° C	60-100° C	130° C
Minimum Fluid Temperature	-20° C	-20° C	-20° C	-20° C	-20° C	-20° C	-20° C
Connection Sizes (mm)	76-152	152-304	25-152	25-152	6.5-25	25	38-76
Standard Materials	DI	SS316 & DI	SS316	SS316	SS316	SS316	SS316
Pump Abrasive Fluids	X	X					
Pump Entrained Air / Gas	X	X	X	X	X	X	X
Pump Solids in Suspension	X	X	X	X	X	X	X
CIP-SIP Capability		X (A Only)	X	X	X	X	X
Dry Run (w Flushed Seals)	X	X	X	X	X	X	X
Self Draining			X	X			X
High Efficient	X	X	X	X	X	X	X
Low Energy	X	X	X	X	X	X	X
Compact	X	X	X	X	X	X	X
Reversible Flow	X	X	X	X	X	X	X
Hygienic			X	X			X
Robust	X	X	X	X			
Smooth Flow	X	X	X	X		X	
Low Shear Fluids	X	X	X	X	X	X	X
No Agitation	X		X	X			
Easy Maintenance	X	X	X	X	X	X	X
Large Solids Handling	X	X					
ATEX Grp II / Category 2 & 3	X		X	X			
3A / FDA			X	X			X

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