



**Pumps & Pump Systems Since 2005**

## SSP (Alfa Laval) Reciprocating Disc P.D. Pumps from Verder-US

SSP (Alfa Laval) reciprocating disc P.D. pumps are designed for use within municipal and industrial waste treatment processes for pumping sludge and other waste media having entrained solids.

Both single disc and dual disc models are ideal for primary tank manual and automatic de-sludging duties; other applications include digested and humus sludge transfer,



thickener feed, raw sewage, abattoir and poultry wastes, oil / water sump drainage, pulp & paper waste, and other industrial wastes.

Available in fixed and mobile (portable) versions.

Some unique features include:

-Glandless disc design provides indefinite dry running capability, and eliminates air locking.

-Good self priming performance vs other P.D. pump types, due to dry running capability.

-Seal-less construction.

-Unparalleled tolerance of problem solids including rags, fibrous matter, and grit.

-No auxiliaries required (i.e. seal flush water / lube oil).

-Variable flow rate adjustment on single disc units (field adjustable crank stroke rate).

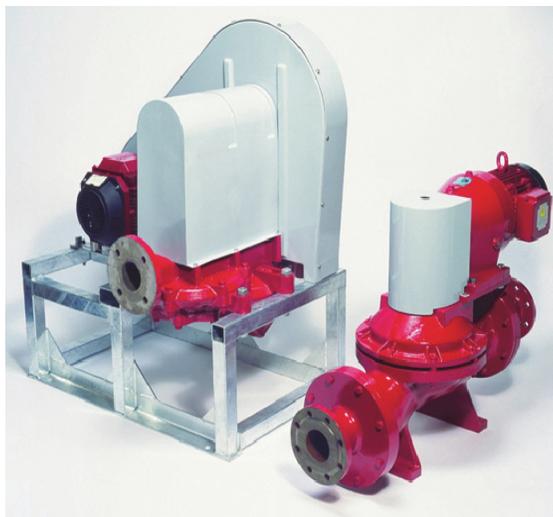
-Patented "phased shaft" design on dual disc units enables the pump to achieve maximum capacities and speeds thereby overcoming the high noise, vibration, and pulsation levels experienced with similar reciprocating pump designs.

Single disc units are rated to 24 m<sup>3</sup>/h (105 USGPM) flows; differential pressures to 1.5 bar (22 PSI); sludge thickness to 6%; spherical solids passing capability to 65 mm (2.5"); 76 mm (3") ANSI 150 # flanged connections.



Dual disc units are rated to 52 m<sup>3</sup>/h (230 USGPM) flows; differential pressure to 3 bar (45 PSI); sludge thickness to 10%; suction lifts to 6 M (20 Feet) maximum; 50 / 76 / 100 mm (2" / 3" / 4") ANSI 150 # flanged connections.

These pumps are constructed of a minimal number of parts, and the main wearing components (discs and gaskets, are low cost and easily field replaceable.



### Please Contact Us

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