



Performance

The Series S pump range has twelve pump head displacements ranging from 0.053 litres/rev to 3.53 litres/rev.

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

High Volumetric Efficiency - The Series S pump offers high efficiency transfer of low, medium and high viscosity pumped media. This important aspect of performance is achieved by maintaining high accuracy and repeatability of component part manufacture, thereby maximising shaft rigidity and minimising the effects of thermal expansion within the pump gearbox. This combination allows the optimum pump head geometry to be achieved which, in turn, maximises volumetric efficiency.

Low NPSH - The Series S pump with standard port connections has full through-bore inlet and outlet ports to International Standards. This reduces inlet and outlet port losses, thereby lowering NPSH requirements.

Basic Design

The Series S pump with its modular design giving a choice of 44 models, provides for greater application flexibility and cost effective easy maintenance.

Pumphead - All metallic pumped media wetted components are manufactured in 316L type stainless steel. The Series S in standard specification has tri-lobe rotors available in three temperature ratings, allowing the pump to be operated at maximum temperatures of 70°C, 130°C and 200°C for both process and CIP.

Shafts - 316L Stainless steel shafts are used for pressures up to 10 bar. Higher pressures up to 20 bar are attained by the use of high strength duplex stainless steel.

Gearbox - The Series S pump has a robust cast iron gearbox with a universal design for models S1 to S4. This gives the flexibility of mounting pumps with the inlet and outlet ports in either a vertical or horizontal plane by changing the foot and its position. The Series S models S5 and S6 have a choice of two dedicated gearbox castings, which allows the inlet and outlet ports to be in either the vertical or horizontal plane.

Pump Model	Inlet and Outlet Connections		Displacement litres/rev	Differential Pressure bar	Maximum Speed rev/min	Weight Bare Shaft Pump	
	Standard Port Connection Size (International Standards) mm	Enlarged Port Connection Size (International Standards) mm				Horizontal Porting (H) kg	Vertical Porting (V) kg
S3-0038-∗07	50	65	0.384	7	1000	56	59



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SSP S3-0038-V07

Alle mål i mm.
 Measures in mm

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