

# SPS 600

SPS process pump

## Features and benefits

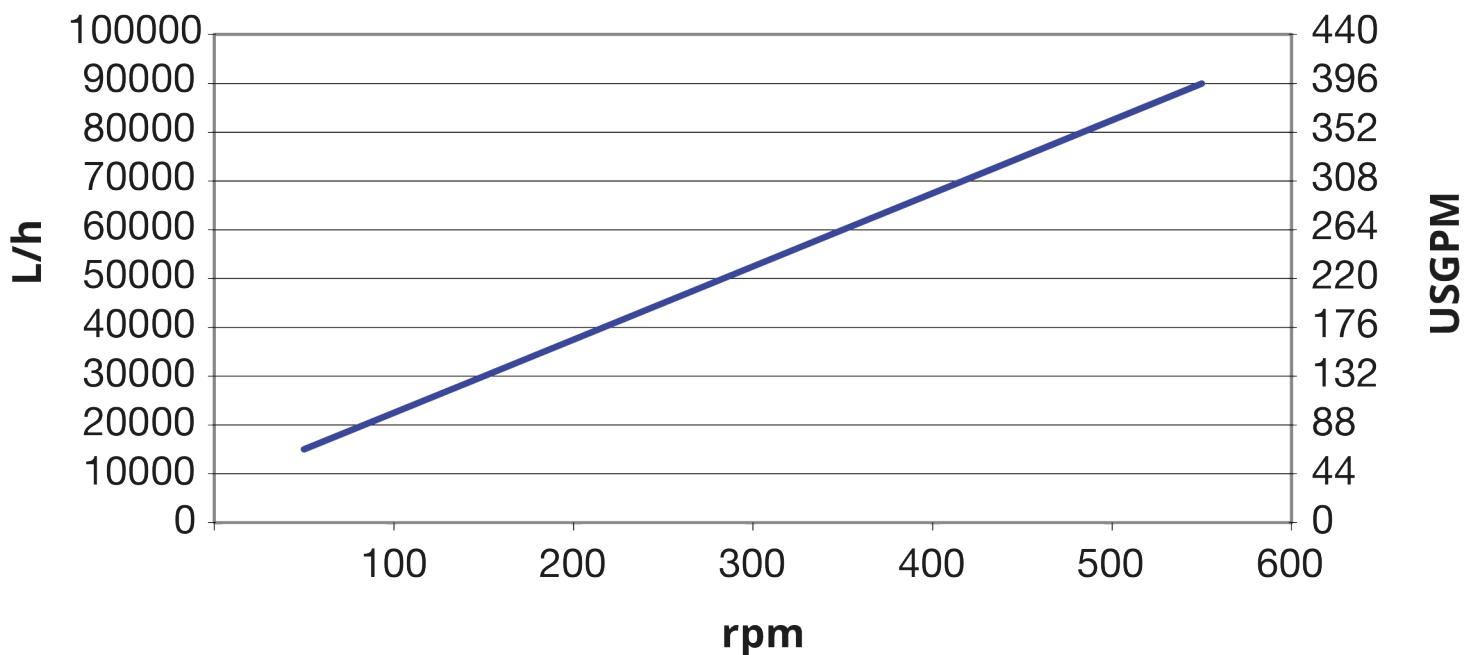
- Low shear transfer pump, with flow up to 99000 L/h at pressures up to 15 bar
- Superior viscous handling
- Consistent flow with high suction capability up to 0.85 bar
- Flexible configuration of housing, nozzle type, size orientation, drive and baseplate
- Hygienic CIP and SIP capability
- FDA and EC 1935/2004 compliance
- Operating temperatures up to 180 °C
- 20-year guarantee on front cover and pump housing



## SPS 600 performance

### Performance curves

These performance curves show the theoretical flow without consideration of slip



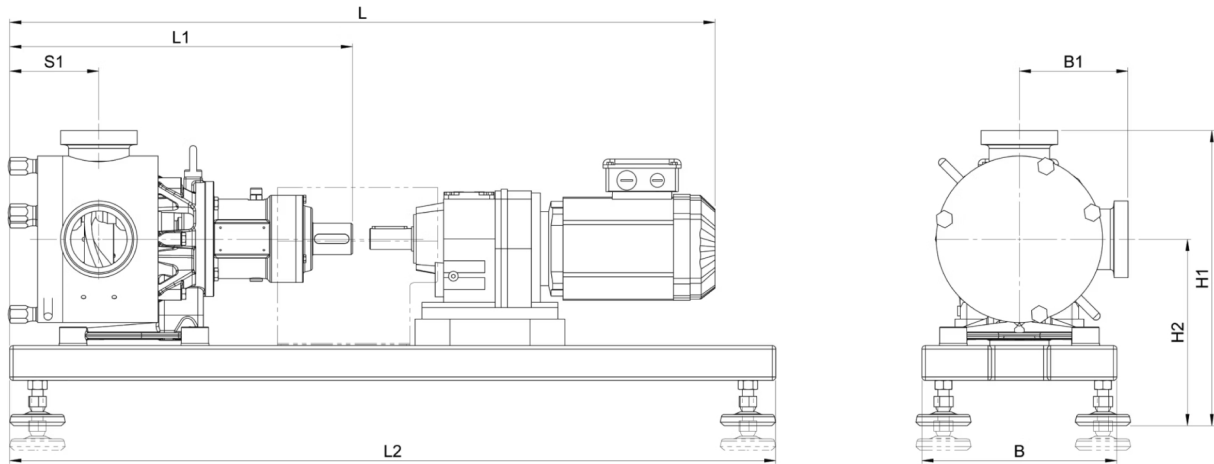
## Technical specifications

|                              | SPS 600                                   |
|------------------------------|-------------------------------------------|
| Volume per revolution        | 2.75 L (0.724 USG)                        |
| Max. particle size           | 60 mm (2.36 in)                           |
| Suction pressure             | 85% of a vacuum                           |
| Max. operating pressure      | 15 bar (217 psi)                          |
| Operating temperature        | -20 °C to 180 °C (-4 °F to 356 °F)        |
| Standards                    | ATEX                                      |
| Certification and compliance | EC 1935/2004, FDA                         |
| Port orientation             | Various options to meet your requirements |
| Port type                    | Flange, Milk fitting, RJT, SMS, TC        |
| Shaft diameter               | 65 mm (2.56 inch)                         |
| Shaft height                 | 235 mm (9.25 inch)                        |

Materials of construction

|               | SPS 600                                      |
|---------------|----------------------------------------------|
| Housing       | Stainless steel 1.4404, Stainless steel 316L |
| Bearing frame | Stainless steel 1.4301, Stainless steel 304  |
| Rotor         | Stainless steel 1.4404, Stainless steel 316L |
| Gate          | PEEK, Polyamide, UHMW                        |
| Liner         | Polyamide                                    |
| Seals/gaskets | EPDM, FFKM, FKM, NBR, PTFE                   |

SPS 600 dimensions



| Model   | L    |      |      |      | L1  |      | L2   |      | S1  |      | B   |      | B1   |      |      |      | H1   |      |      |      | H2   |      |      |      |
|---------|------|------|------|------|-----|------|------|------|-----|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|
|         | min. |      | max. |      |     |      |      |      |     |      |     |      | min. |      | max. |      | min. |      | max. |      | min. |      | max. |      |
|         | mm   | inch | mm   | inch | mm  | inch | mm   | inch | mm  | inch | mm  | inch | mm   | inch | mm   | inch | mm   | inch | mm   | inch | mm   | inch | mm   | inch |
| SPS 600 | 1755 | 69.1 | 2200 | 86.6 | 771 | 30.4 | 1400 | 55.1 | 319 | 12.6 | 400 | 15.8 | 274  | 10.8 | 274  | 10.8 | 630  | 24.8 | 700  | 27.6 | 353  | 13.9 | 433  | 17.1 |

Disclaimer: All flow rates shown were obtained pumping water at 20 °C (68 °F) with zero suction and delivery heads.  
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