

Masosine SPS process pumps

SPS PUMPS

Masosine Process Pumps

FEATURES AND BENEFITS

- Sanitary and industrial pump, with flow up to 99,000 l/hr at pressures up to 15 bar (217psi)
- Viscous handling from 1 cP to 8M cP without modification to the pump
- Consistent flow with high suction capability up to 0.85 bar
- Flexible configuration of housing, nozzle type, size orientation, drive and baseplate
- Hygienic, cleaning-in-place (CIP) and sterilisation-in-place (SIP) capability. FDA, EC 1935/2004 and 3A compliance
- Operating temperatures up to 180C (356F)
- 20-year guarantee on front cover and pump housing

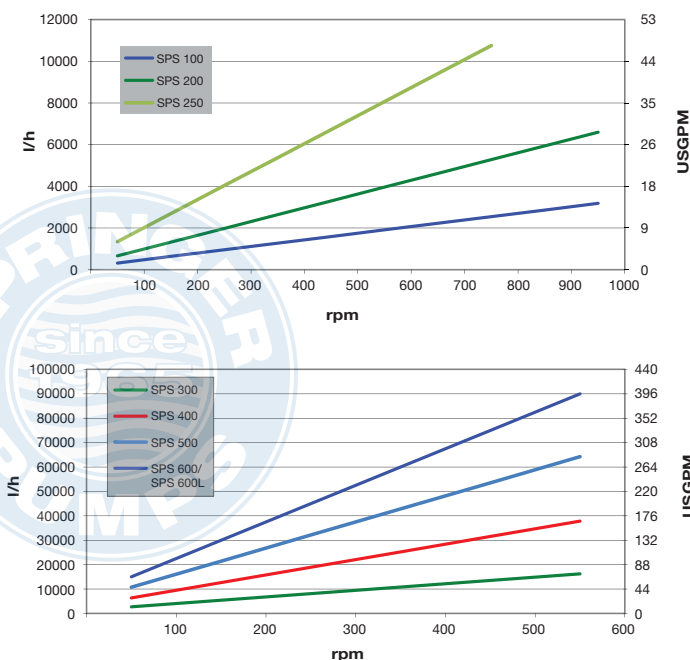


Watson-Marlow...Innovation in Full Flow

TECHNICAL DATA

Technical Data															
Model	Maximum particle size		Volume per revolution		Speed	Maximum flow		Maximum pressure		Maximum temperature		Shaft diameter		Shaft height	
	mm	inch	litre	US gallons	rpm	l/h	US gal/min	bar	psi	C	F	mm	inch	mm	inch
SPS 100	10	0.39	0.08	0.021	1,000	4,800	21.1	10	145	180	356	18	0.71	72	2.83
SPS 200	20	0.79	0.13	0.034	1,000	7,800	34.2	10	145	180	356	28	1.10	95	3.74
SPS 250	22	0.87	0.24	0.063	800	11,520	50.5	15	217	180	356	25	0.98	146	5.75
SPS 300	30	1.18	0.50	0.132	600	18,000	78.9	15	217	180	356	45	1.77	150	5.91
SPS 400	48	1.89	1.16	0.305	600	41,760	183.2	15	217	180	356	50	1.97	195	7.68
SPS 500	50	1.97	1.92	0.505	600	69,120	303.2	15	217	180	356	50	1.97	235	9.25
SPS 600	60	2.36	2.75	0.724	600	99,000	434.2	15	217	180	356	65	2.56	235	9.25
SPS 600L	60	2.36	2.75	0.724	600	99,000	434.2	10	145	180	356	65	2.56	235	9.25

PERFORMANCE



Performance curves

This performance curve shows the theoretical flow. It is applicable when the product has a Newtonian viscosity of about 2,000 mPas. Above this the MasoSine pump works without slip.