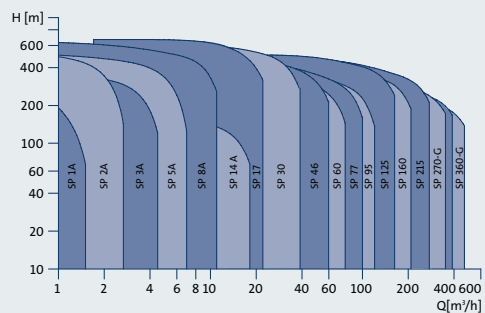


Technical data – SP submersible pumps

These pages provide an overview of the SP system's technical specifications- Complete documentation is available in data booklets or via the Grundfos Computer Aided Product Selection tool (CAPS).

To access full information online, follow the link to WebCAPS from www.grundfos.com or your local Grundfos website.



Technical data – MP 204 motor protection unit

MP 204	
Enclosure class:	IP 20
Ambient temperature:	-20 to +60 °C
Relative humidity:	99%
Voltage range:	80-610VAC
Current range:	3-999A
Frequency:	47-63 Hz
IEC trip class:	1-4S
Special Grundfos trip class:	0.1-30 s
Voltage variations:	-25/+15% of nominal voltage
Approvals:	EN 760947, EN 60355, UL/CSA 508
Marking:	SE, cUL, C-tick

Technical data – MS/MMS motors

MS 402	
Phase:	1 and 3 phase
Start/run methods:	1 phase: PSC, 2W, 3W
3 phase:	DOL
Frequency:	50 Hz and 60 Hz
Voltage:	115-575 V
Thrust load:	Max. 3.5 kN
Efficiency:	57-77
Insulation class:	B
Ambient temperature:	See Grundfos documentation
Mechanical connection:	4" Nema flange
Material:	Stainless steel DIN W.-Nr. 1.4301 (AISI 304)
Certification:	UL and CSA available

MS 4000	
Phase:	1 and 3 phase
Start/run methods:	1 phase: 3W
3 phase:	DOL
Frequency:	50 and 60 Hz
Voltage:	208-575 V
Thrust load:	2.2 kN or 4.4 kN
Efficiency:	75-81
Insulation class:	F
Ambient temperature:	See Grundfos documentation
Mechanical connection:	4" Nema flange
Material:	Stainless steel DIN W.-Nr. 1.4301 (AISI 304) + W.-Nr. 1.4539 (AISI 904L)
Certification:	CSA available

MS 6	
Phase:	3 phase
Start/run methods:	DOL, SD
Frequency:	50 and 60 Hz
Voltage:	200-575 V
Thrust load:	6.5 kN or 27.5 kN
Efficiency:	81-86
Insulation class:	F
Ambient temperature:	See Grundfos documentation
Mechanical connection:	6" Nema flange
Material:	Stainless steel DIN W.-Nr. 1.4301 (AISI 304) + W.-Nr. 1.4539 (AISI 904L)
Certification:	cCSAus available

MMS	
Phase:	3 phase
Startmethods:	DOL, SD
Frequency:	50 and 60 Hz
Voltage:	200-1000 V
Thrust load:	6", 15 kN or 27.5 kN 8" and 10", 50 kN 12", 70 kN
Efficiency:	70-91
Insulation class:	Y, possible A
Ambient temperature:	See Grundfos documentation
Connection:	6" and 8" with Nema flange
Material:	Stainless steel DIN W.-Nr. 1.4401 (AISI 316L) stator tube with cast iron endbells EN-JL-1040, all-stainless steel DIN W.-Nr. 1.4401 (AISI 316L), or all-stainless steel DIN W.-Nr.1.4539 (AISI 904L)