



Jet pumps / domestic waterwork pumps

Field of application

- > Rainwater utilisation
- > Washing systems
- > Equipment engineering
- > Shipping

Design

SG/SGM:

Self-priming centrifugal pumps suitable for pure, water-like fluids. Equipped with motor bearings which are lubricated for life. Shaft seal in the form of a mechanical seal. Single phase design with on/off switch in terminal box, 1.5 m cable and shockproof plug.

SGM-Speckmat:

Including Speckmat 1 switching device for automatic, pressure dependent activation as well as flow dependent deactivation and integrated dry run protection.

SG/SGM-DA:

Including 20 l stainless steel diaphragm pressure vessel and pressure gauge as well as a pressure switch for automatic activation and deactivation.

Motor

Protection class: IP 54
Class of insulation: F
Voltage: 1~ 230 V $\pm$ 10 %
built-in overload protection
3~ 400/230 V $\pm$ 10 %
Motor speed: 2850 rpm
Frequency: 50 Hz

Special editions

- > Special voltages
- > Special mechanical seals

Technical data

Flow rate: Q up to max. 4 m³/h
Total dynamic head: H up to max. 50 m
Fluid temperature: t up to max. 45 °C
Operating pressure: p up to max. 6 bar

Pumped fluid

Pure, cold water as well as fluids which don't chemically and mechanically attack the pump materials.

Materials used

Pump housing:	stainless steel AISI 304
Impellers:	stainless steel AISI 304
Shaft:	stainless steel AISI 303
Housing lid:	stainless steel AISI 304
Pump feet:	stainless steel AISI 304
Motor housing:	stainless steel AISI 304
Sealing rings:	NBR
Diffuser:	Noryl
Mechanical seal:	carbon/ceramic
Filling and drain plugs:	stainless steel AISI 304

Type key

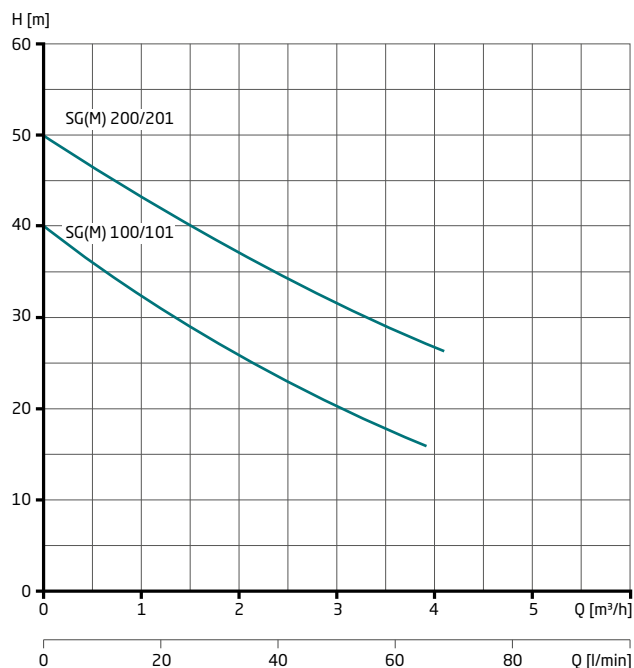
SG(M) 100

SG: pump type
M: single phase 1~230 V
100: pump size

Speckmat: switching device
DA: small booster unit
101/201: pump type



Characteristics



Technical data

Type	Inlet connection	Outlet connection	Power output P_2 (kW) 400/230 V	Rated current (A) 3~ 400 V	Rated current (A) 1~ 230 V	Weight (kg)
SG/SGM 100	Rp 1¼	Rp 1	0.60/0.75	1.90	4.40	10.50
SG/SGM 200	Rp 1¼	Rp 1	0.88/0.90	2.10	6.50	13.00
SGM-Speckmat 101	Rp 1¼	R 1	0.60/0.75	-	4.40	12.50
SGM-Speckmat 201	Rp 1¼	R 1	0.88/0.90	-	6.50	15.00
SG-DA/SGM-DA 101	Rp 1¼	Rp 1	0.60/0.75	1.90	4.40	16.50
SG-DA/SGM-DA 201	Rp 1¼	Rp 1	0.88/0.90	2.10	6.50	20.00

Type	Starting pressure (bar)	Max. operating pressure (bar)	Max. fluid temperature (°C)	Voltage (V)	Max. rated current (A)	Protection class (IP)	Weight (kg)
Speckmat 1	2.20	10	65	1~ 230 V	10.00	65	1.60
Speckmat 2	3.00	12	60	1~ 230 V	16.00	65	2.80

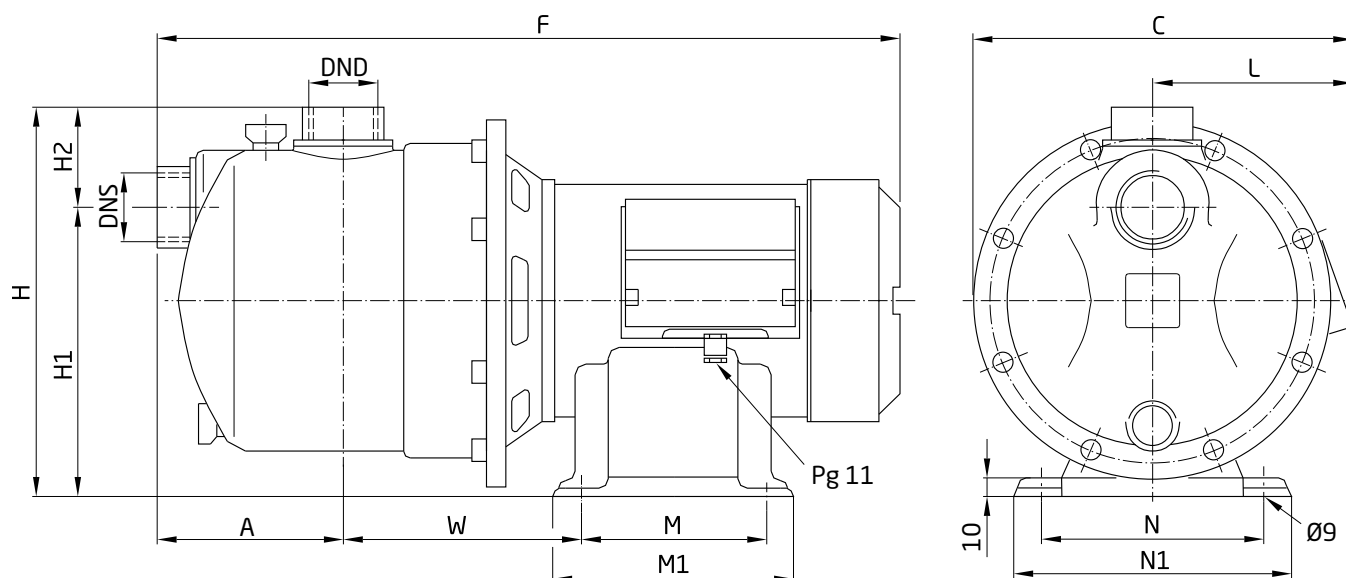
Order information

Type	Article no.		Net RRP	Gross RRP
SG 100	640.0100.037	X	450.06 €	535.57 €
SGM 100	640.0100.038	X	429.57 €	511.19 €
SG 200	640.0200.037A	X	666.46 €	793.09 €
SGM 200	640.0200.038	X	650.31 €	773.87 €
SGM-Speckmat 101	569.8330.000	X	596.48 €	709.81 €
SGM-Speckmat 201	569.8530.000	X	815.04 €	969.90 €
SG-DA 101	569.8410.000	X	834.42 €	992.96 €
SGM-DA 101	569.8310.000	X	779.49 €	927.59 €
SG-DA 201	569.8610.000	X	1,054.07 €	1,254.34 €
SGM-DA 201	569.8510.000	X	1,005.61 €	1,196.68 €
Speckmat 1 1"	569.8003.450	X	166.59 €	198.24 €
Speckmat 2 1 1/4"	569.8003.500	X	308.30 €	366.88 €
Foot valve 1 1/4"	507.2200.032		125.49 €	149.33 €
Non-return valve 1 1/4"	507.2300.032		83.29 €	99.12 €

X = Warehouse goods, can be dispatched immediately

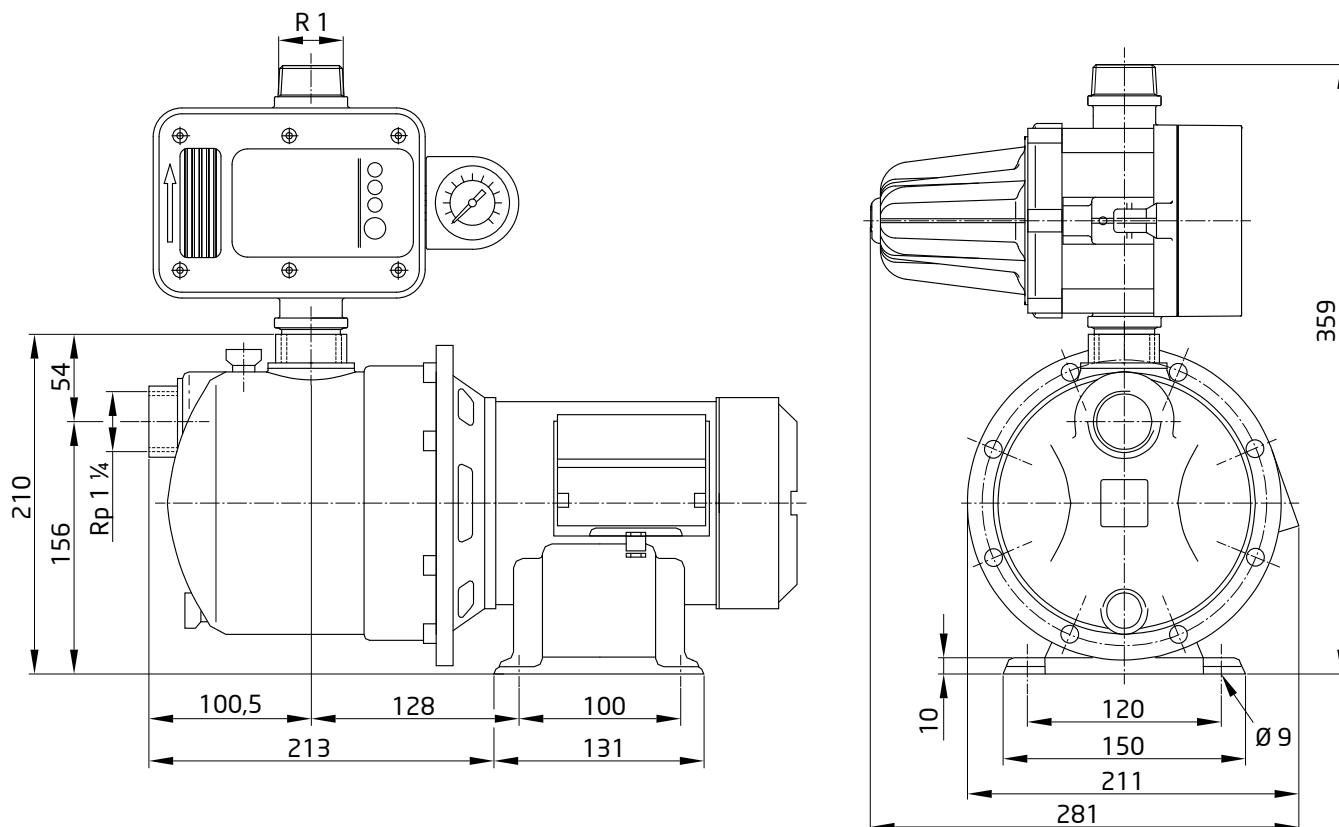
Dimensions

SG/SGM



Type	A	C	F	H	H1	H2	L	M	M1	N	N1	W	DNS	DND
SG(M) 100	100.5	211	396	210	156	54	107	100	131	120	150	128	Rp 1 1/4	Rp 1
SG(M) 200	100.5	211	438	210	156	54	107	100	131	120	150	143	Rp 1 1/4	Rp 1

SGM-Speckmat





Dimensions

SG-DA/SGM-DA

