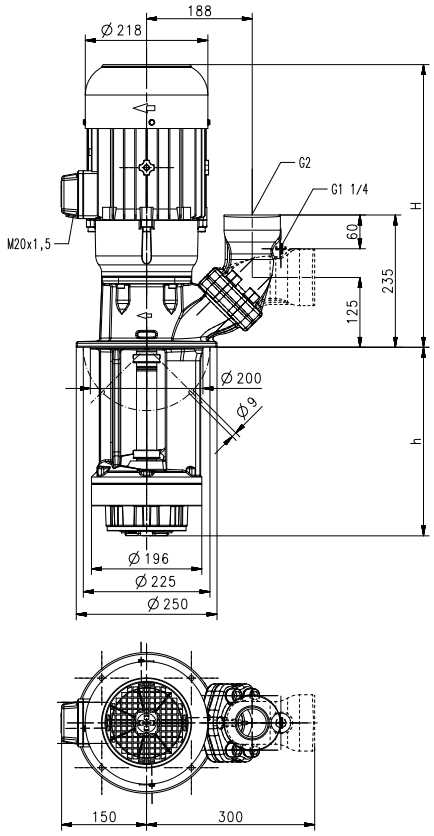
Cutter Pumps
SGC820

Axial/semi-open impellers

SGC820



Type	Vol. del. at manom. del. head l/min /m	Height H mm	Depth of immersion h mm	Weight kg	Power kW	Voltage 3 ~ V	Frequency Hz	Current A	Speed 1/min
SGC820/230	400/10	503	235	71	3.3	220-240	50	11.6	2930
330			335	73		380-415	50	6.7	2930
460			465	75	3.8	460	60	6.4	3520

Cutter Pumps

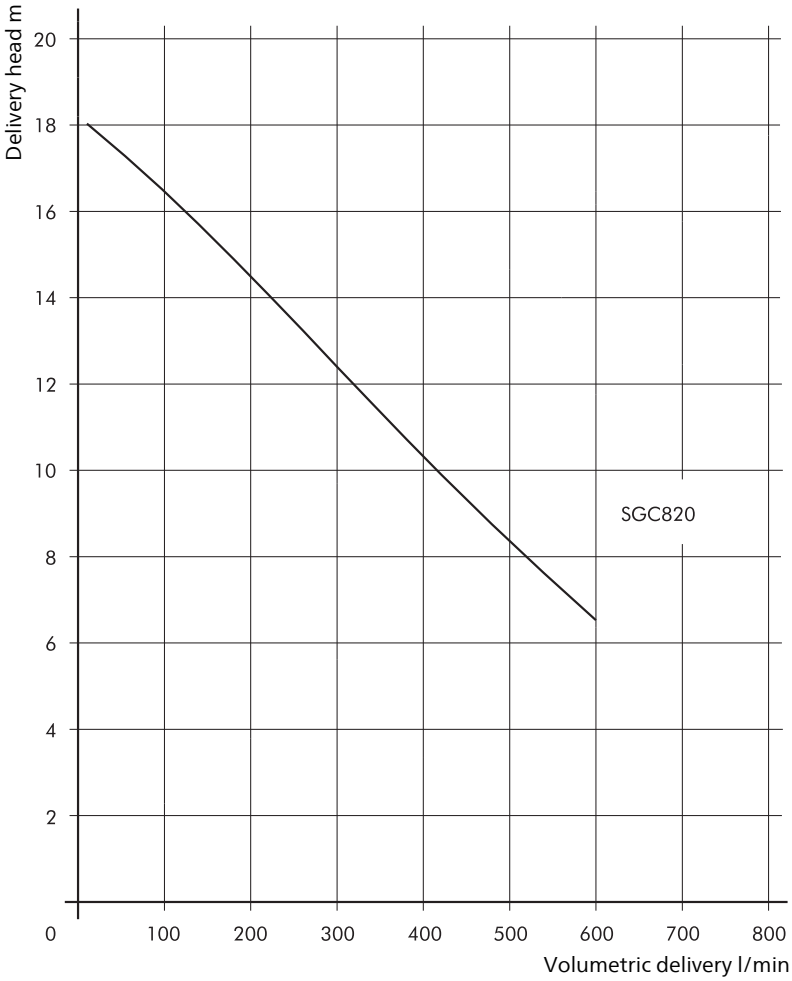
of the series SGC are designed to handle and reliably cut long, stringy plastic chips as well as bundles of swarf. The pump is equipped with two cutting devices. Located in front of the chip breaker is a scraper that is used for the first cutting operation. In addition, the scraper keeps the openings of the inlet cover free from large debris that could clog the flow path.The cutting unit is cutting the plastic chips and the semi-open impeller with its large clearances allows to pump the particles along with the coolant fluid from the machine back to the filter.
Because of the higher number of cutting blades which results in an increased cutting frequency, all chips are being consistently cut in small pieces. The SGC pumps are capable of handling chip to coolant ratios of up to 0.3% by weight.
For more information see lifting pumps features SXC/SPC within the technical information section.

Applications

Types of fluid
coolants
cooling/cutting oils
Max. chip to coolant ratio by weight:
0.3 %
Chip material:
Plastic
Kinematic viscosity
...30 mm^2/s (30 cSt)
Pumping temperature
0...60° C

Construction

Pump body	cast iron
Cover	cast iron
Impeller radial	cast steel
Cutting unit	Hardened
Shaft	steel



Chip