

Metallic engine

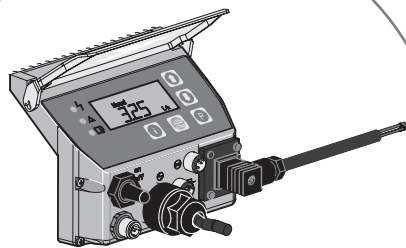
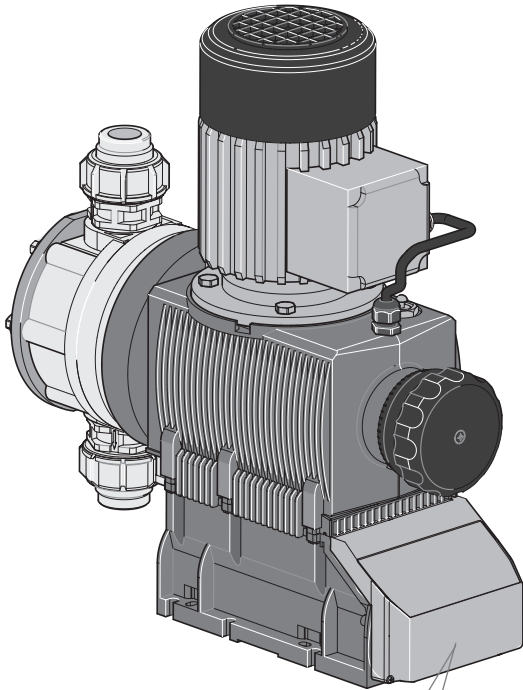
Chemical resistant

Diaphragm regulation

Flow up 1150 l/h

Pressure up 10 bar

Optional multi-functions



Control Module Type- Optional

Colberge SGB

The motor-driven metering pumps with a mechanically actuated diaphragm SG series was designed in single or three phase versions. High resistances in aggressive medium, with housing build in PPE and PTFE surface diaphragm. Corrosion resistant metal and plastic housing is rated IP65.

The continuous course regulation of the diaphragm in 1% steps is made by a eccentric principle variable system to provide continuous liquid and component motion to minimise the hydraulic and mechanical shocks.

The accuracy of the pump is $\pm 2\%$ in the stroke length range of 30-100% providing a correct instalation. The maximum suction lift is 5 meters of water.

Serie SGB has volumes from 52 up to 360 l/h and pressures up to 10 bar with liquid-end available in PVDF or 316 SS.

Control Module Type - Optional

The control model of SGB pump provide a combination of variable AC frequency combined with digital stroking control.

The functions are simply ajusted using a five key program.

A LCD display and three front leds confirm, in an intuitive way the proper pump functioning with an alarm situation or any breakdown.

Standard Features

- External Pulses Control;
- Remote On/Off;
- Connection to Low Level Switch;
- Connections to Flow Control.

Optional Features

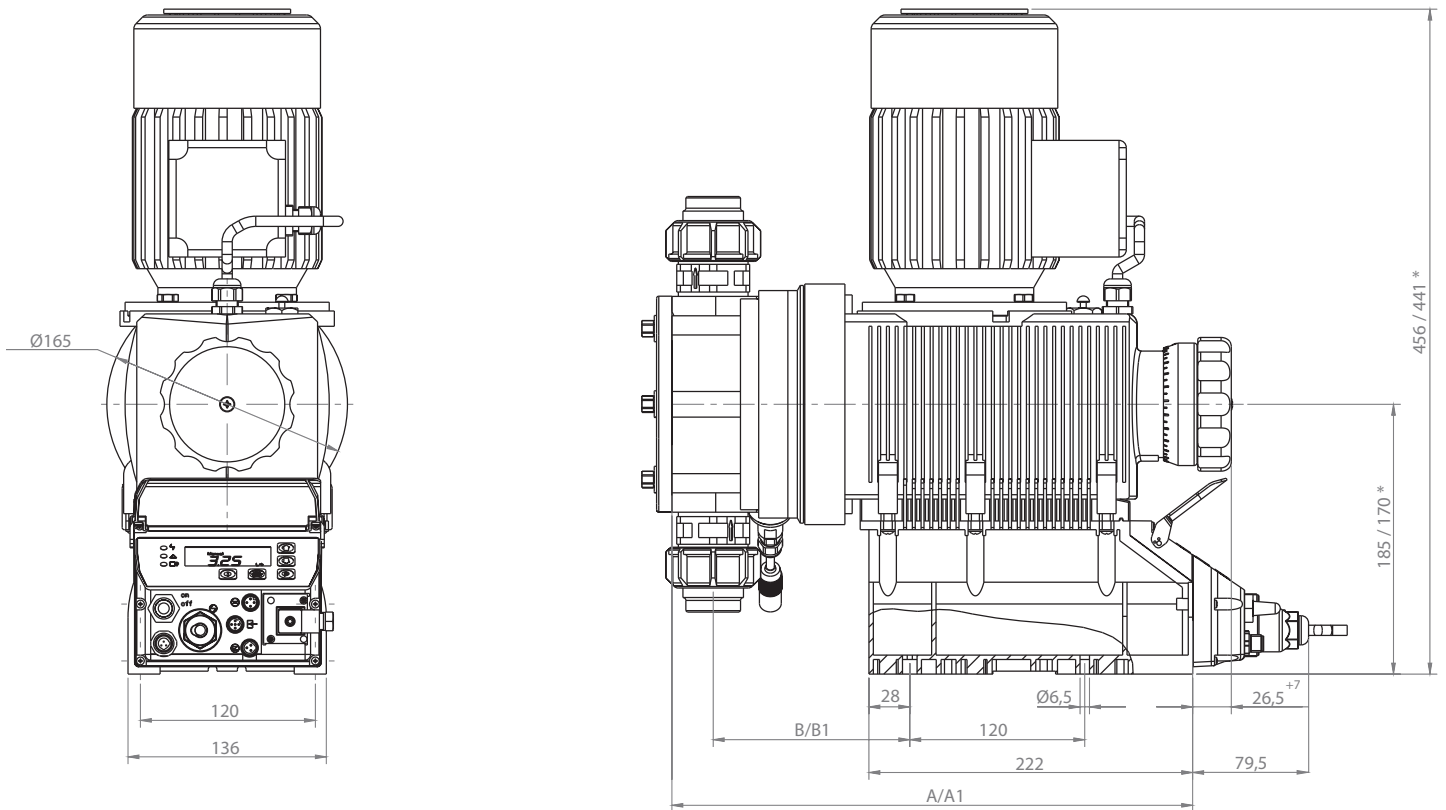
- Alarm Relay NO;
- Alarm Relay NC;
- Control Current Input (4-20 mA).

Optional accessories

- Foot Valves;
- Injection Valves;
- Back pressure Valves;
- Multifuntion Valve;
- Suction Lances;
- Relief Valves;
- Flushing Assembly;
- Wall Mounting Bracket
- Pulsation Dampeners;
- Float Switch*;
- Flow Control*.

* Only for Control Module Type

Views / Dimensions



SGB Series

Model	Pressure	Flow*	Freq.*	Vol./Str.	Connections	Power	Current	Liquid end			Dimensions			
	bar	l/h	stroke/min	ml	G-DN	kW	△ / Δ	PVDF	AISI 316	H.V.	A	A1	B	B1
SGB-50	10	52	73	11,4	1" DN15	0,25	0,94 / 1,62 A	152x	154x	155x	329	349	104	124
SGB-100	10	100	132	11,4	1" DN15	0,25	0,94 / 1,62 A	152x	154x	155x	329	349	104	124
SGB-140	10	140	198	10,9	1" DN15	0,25	0,94 / 1,62 A	152x	154x	---	329	349	104	124
SGB-130	7	130	73	27,4	1 1/2"	0,25	0,94 / 1,62 A	662x	664x	665x	340	360	115	135
SGB-250	7	248	132	27,7	1 1/2"	0,25	0,94 / 1,62 A	662x	664x	665x	340	360	115	135
SGB-360	4	360	198	29,4	1 1/2"	0,25	0,94 / 1,62 A	662x	664x	---	340	360	115	135

X = M - Single phase, T - Three phase, C - Single phase with strokes, C+An - Single phase with strokes + 4-20 mA.

* In the control module with an additional yield of 20%.