

StG 90

DATA SHEET

Description

Medium-sized and large diesel engines as well as gas engines or turbines are the preferential application for this particularly powerful type of actuator. A DC disc motor which already generates strong torque in both directions of rotation is its core. The torque additionally is multiplied by a reduction gearbox. Due to the low moment of inertia of the motors disc, nevertheless quick response times can be gained.

A contactless feedback system is integrated onto the actuators output shaft, offering an electrical signal of the precise position to any external control unit.

The use of special materials and long-time lubricants assures maintenance-free operation and long working life of the actuator.

All considered these actuator provides high regulation power even with only low current consumption.



Features

Strong regulation torque working in both directions

Quick response time

Low current consumption on change of load

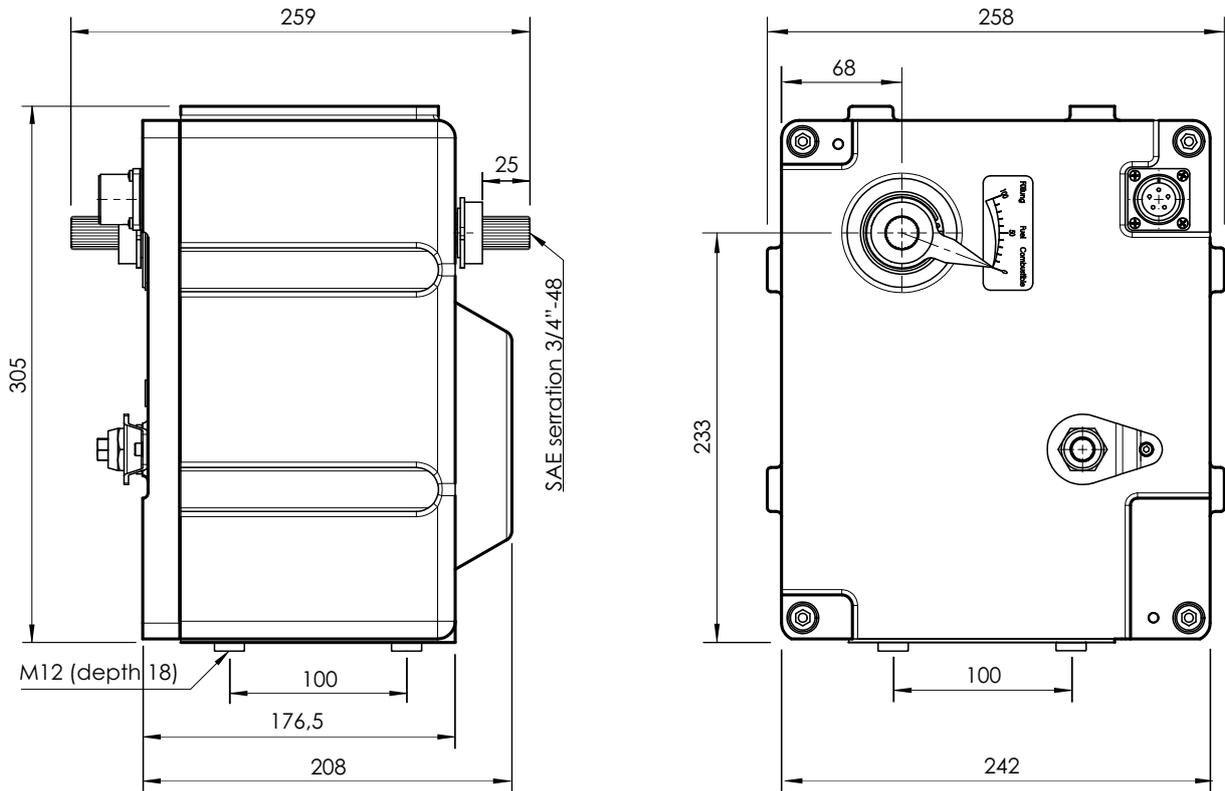
Extremely low retaining current

Contactless feedback

Application range

- Medium-sized and large diesel engines
- Gas engines
- Gas and steam turbines

Dimensions



Technical data

	StG 90
Rotation angle	max. 42°
Torque	max. 90 Nm
Steady state torque	approx. 30 Nm
No load response time	approx. 320 ms
Current consumption	max. 7 A
Steady state current	approx. 2.3 A
Position feedback 0 ... 100 %	approx. 1.6 ... 2.8 VDC
Ambient temperature	-25 ... 90° C
Storage temperature	-55 ... 110° C
Permissible ambient humidity	< 95 %
Degree of protection	IP65
Weight	approx. 32 kg

Certificates

on request