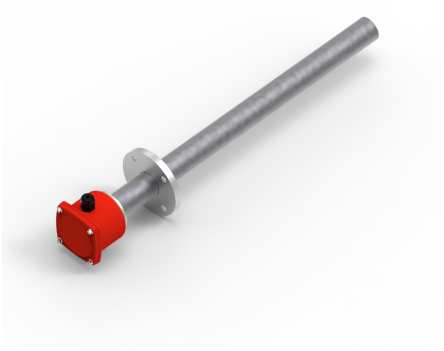
CSN® Cartridge Heater Type 93/F

DESCRIPTION

The CSN® cartridge heater type 93/F, consisting of a sturdy steel tube, a heating element made of ceramic or tubular heating element and a smooth steel flange. This heating element is ideal for heating low-viscosity oil, heat transfer oil, thermal oil and bitumen. Its configurable cooling section ensures efficient heating at temperatures above 80°C and can also be designed for higher operating pressures.



With the option of fitting a mounted temperature controller, safety temperature limiter or a temperature controller including limiter, the CSN® cartridge heater type 93F offers precise control over the heating process.

PRODUCT ADVANTAGES

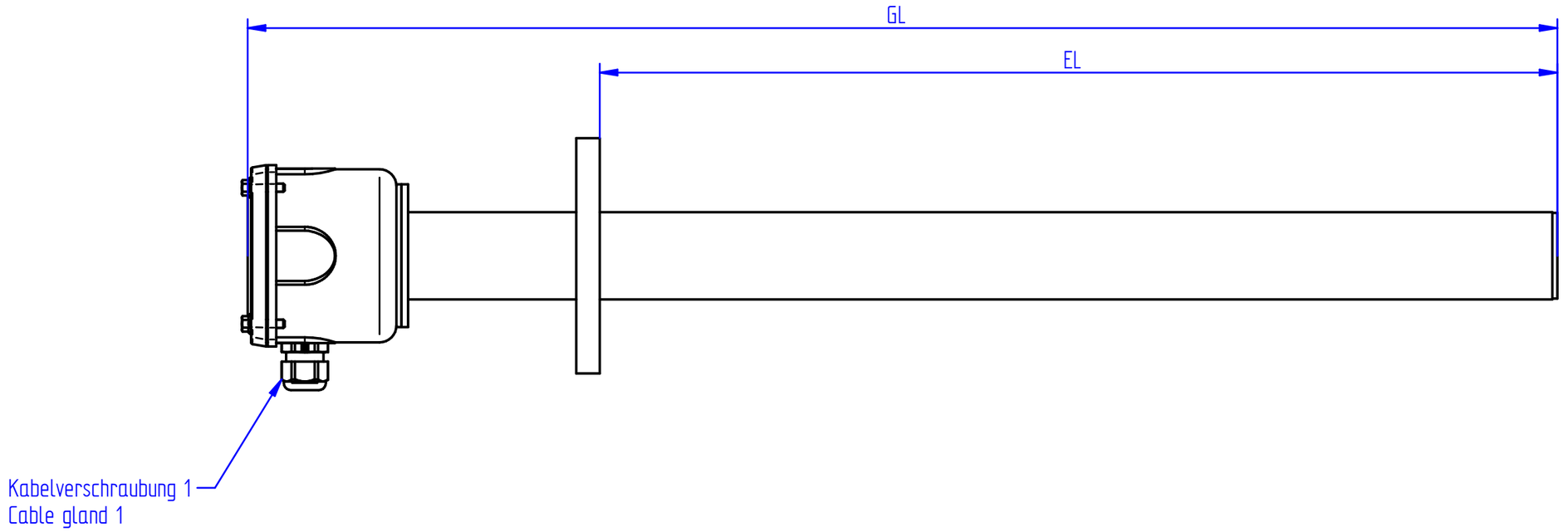
- Use for operating temperatures > 80°C.
- Heating element can be replaced without draining the tank.
- Flanges in accordance with the current EN 1092-1 directive and ASME B16.5 adapted to the operating pressure.
- Available with CSA certification on request.

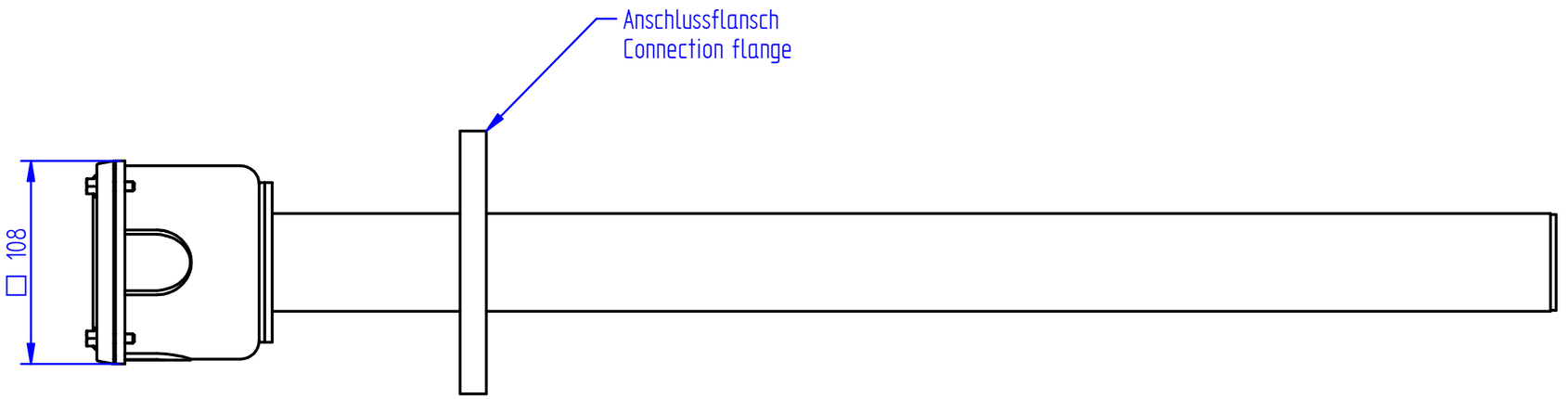
TECHNISCHE DATEN

Medium	Water; Bitumen; Heavy fuel oil; Gear oil; Oil; Thermal oil; Diesel/heating oil; AdBlue
Power	0.2 to 15 kW
Voltage	110 to 690 V
Connection	Flange according to DIN EN 1092-1, ASME B16.5
Nominal size flange	NW 20 to NW 80 / AMSE 2"; 2½"; 3"
Flange materials	P250GH/C22.8 (steel); 1.4404 (AISI 316L); 1.4571 (AISI 316 Ti)
Flange pressure stage	PN6 - PN40 / ASME 150lbs; 300lbs
Sheath materials	Steel; 1.4571 (AISI 316 Ti)

Installation length	300 to 3500 mm
Controller	without
Limiter	without
Installation position	horizontal, vertical on request
Operating pressure	0.5 bar g
Operating temperature	max. 150° C

Patronenheizkörper Typ 93F





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