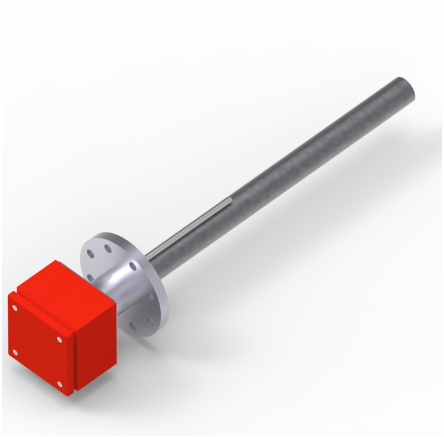
CSN® Cartridge Heater Type 9IF

DESCRIPTION



Our cartridge heaters are used in situations where direct heating by conventional tubular heaters is not possible or where the possibility of replacing electrical heating elements without first emptying the tank is an advantage. This version is equipped with a flange and an integrated cooling section, which enables it to be used for higher output requirements. In addition, it is equipped with a built-in temperature controller or safety temperature limiter or temperature controller including limiter (with internal position). This radiator is a reliable solution for precise temperature control and uncomplicated maintenance.

PRODUCT ADVANTAGES

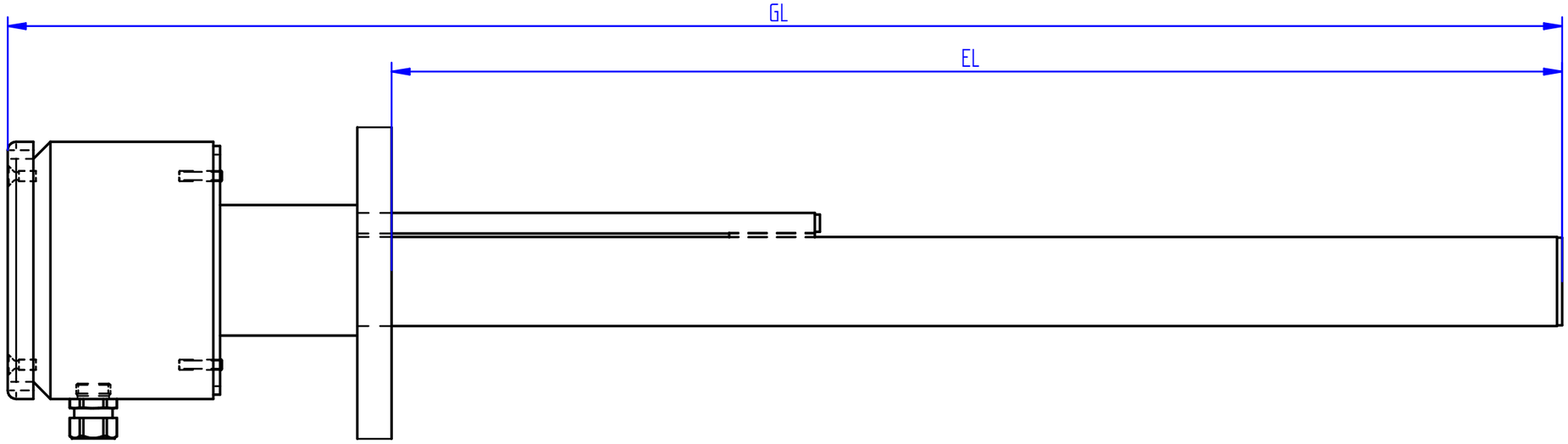
- Heating element can be replaced without emptying the tank
- Flanges in accordance with the current DIN EN 1092-1 directive and ASME B16.5
- Precise temperature control thanks to built-in controller & limiter
- Also possible for higher temperature ranges > 80°C and higher pressures > 10 bar g
- Radiator surface easy to clean (removal of deposits)

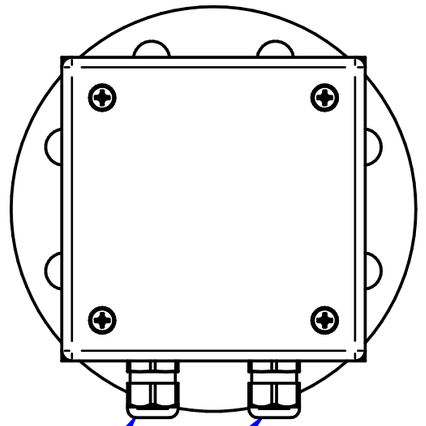
TECHNISCHE DATEN

Medium	Water; hydraulic oil; gear oil; oil; thermal oil; diesel/heating oil; AdBlue
Power	0.2 to 10 kW
Voltage	110 to 690 V
Connection	Flange according to DIN EN 1092-1 and ASME B16.5
Nominal size flange	DN80 /ASME 3"
Flange materials	P250GH/C22.8 (steel); 1.4571 (AISI 316 Ti); S235JR
Flange pressure stage	PN16; ASME 150lbs and 300lbs
Sheath materials	Steel; 1.4571 (AISI 316 Ti); 1.4404 (AISI 316L)

Terminal box	Painted steel
Installation length	300 to 3500 mm
Controller	EM-I, 0 - I00°C
Limiter	EM-5, 0 - I50°C
Installation position	horizontal vertical on request
Operating pressure	up to I6 bar g
Operating temperature	max. 200 °C

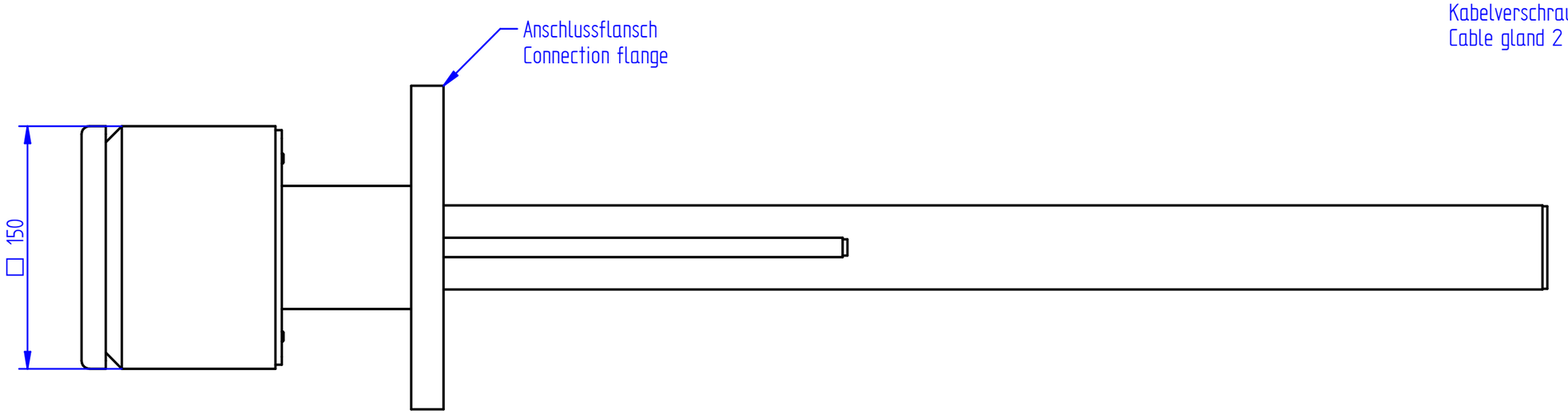
Patronenheizkörper Typ 9IF





Kabelverschraubung 1
Cable gland 1

Kabelverschraubung 2
Cable gland 2



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