CSN® Cartridge Heater Type 90N/G

DESCRIPTION

Cartridge heaters are used where direct heating with tubular heating elements is not possible or where it is advantageous that the electric heating elements can be replaced without having to empty the tank first. They act as heat exchangers with a ceramic or tubular heating element heating insert. These in turn heat the cartridge tube, which transfers the heat directly to the medium. Due to their low surface load, they are particularly suitable for heating low-viscosity oil, hydraulic oil and heat transfer oil up to max. 80°C.

PRODUCT ADVANTAGES

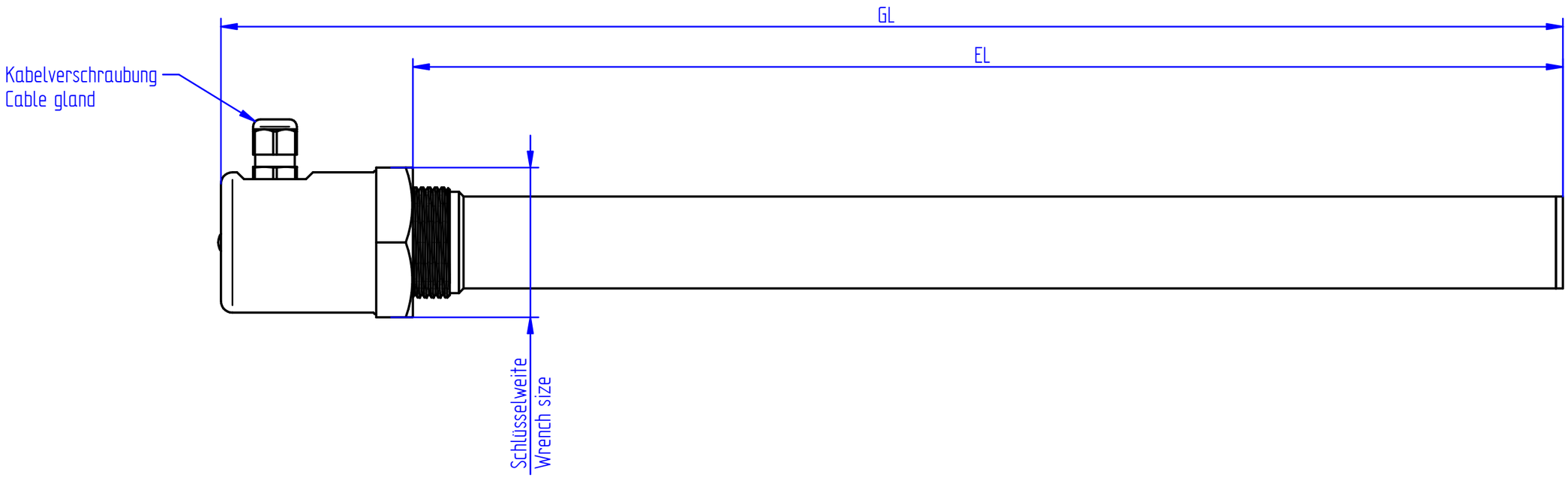
- Heating element can be replaced without emptying the tank
- Certificates such as CSA, UL and EAC available on request
- High efficiency
- Design with optimised surface load guarantees long service life
- Heating element surface easy to clean (removal of deposits)
- Individually configurable design possible - power / voltage / materials
- Metal connection cover - no plastic
- Also available as a vibration-resistant version
- Guaranteed spare parts supply over a period of 20 years

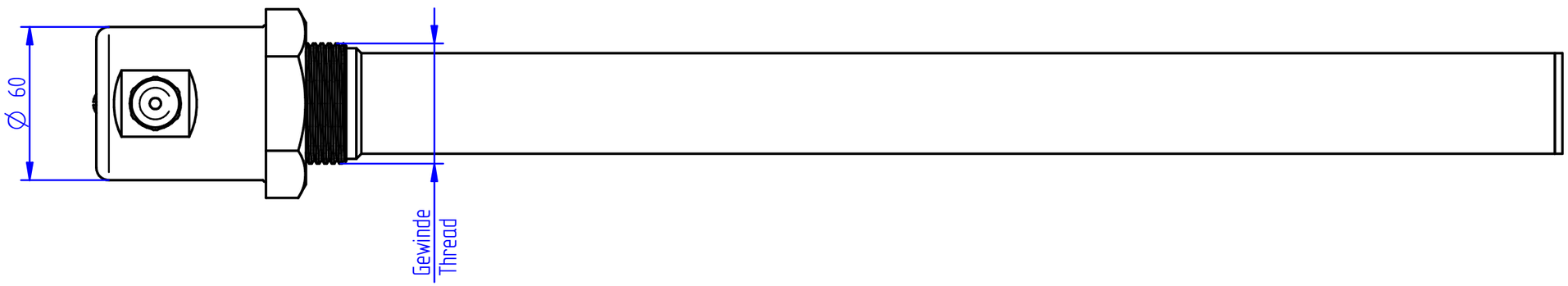
TECHNISCHE DATEN

Medium	Water; hydraulic oil; gear oil; oil; thermal oil; diesel / heating oil; AdBlue
Connection thread	GI 1/2", G2", G2 1/2"
Material Connection thread	1.4541; 1.4571, steel
Power	0.2 to 15 kW
Voltage	110 to 690 V
Installation length (mm)	300 to 6000 mm

Sheath material	Steel; 1.4541; 1.4571
Installation position	horizontal
Operating pressure	0.5 bar g
Operating temperature	max. 80 °C
Heating insert	Ceramic; tubular heating elements
Controller	without
Limiter	without

Patronenheizkörper Typ 90N





SCHNIEWINDT