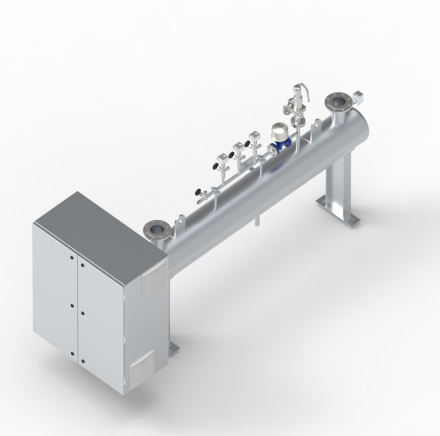
CSN® flow heater type 97/D

DESCRIPTION

CSN® flow heaters can be used in a variety of industrial applications, especially where fast and precise heating of liquids or gases is required. They are used in areas such as the chemical industry and process engineering. These heaters offer fast heating, precise temperature control, compactness, energy efficiency and low maintenance. Overall, they are a reliable solution for optimising industrial processes by increasing efficiency and reducing operating costs.



PRODUCT BENEFITS

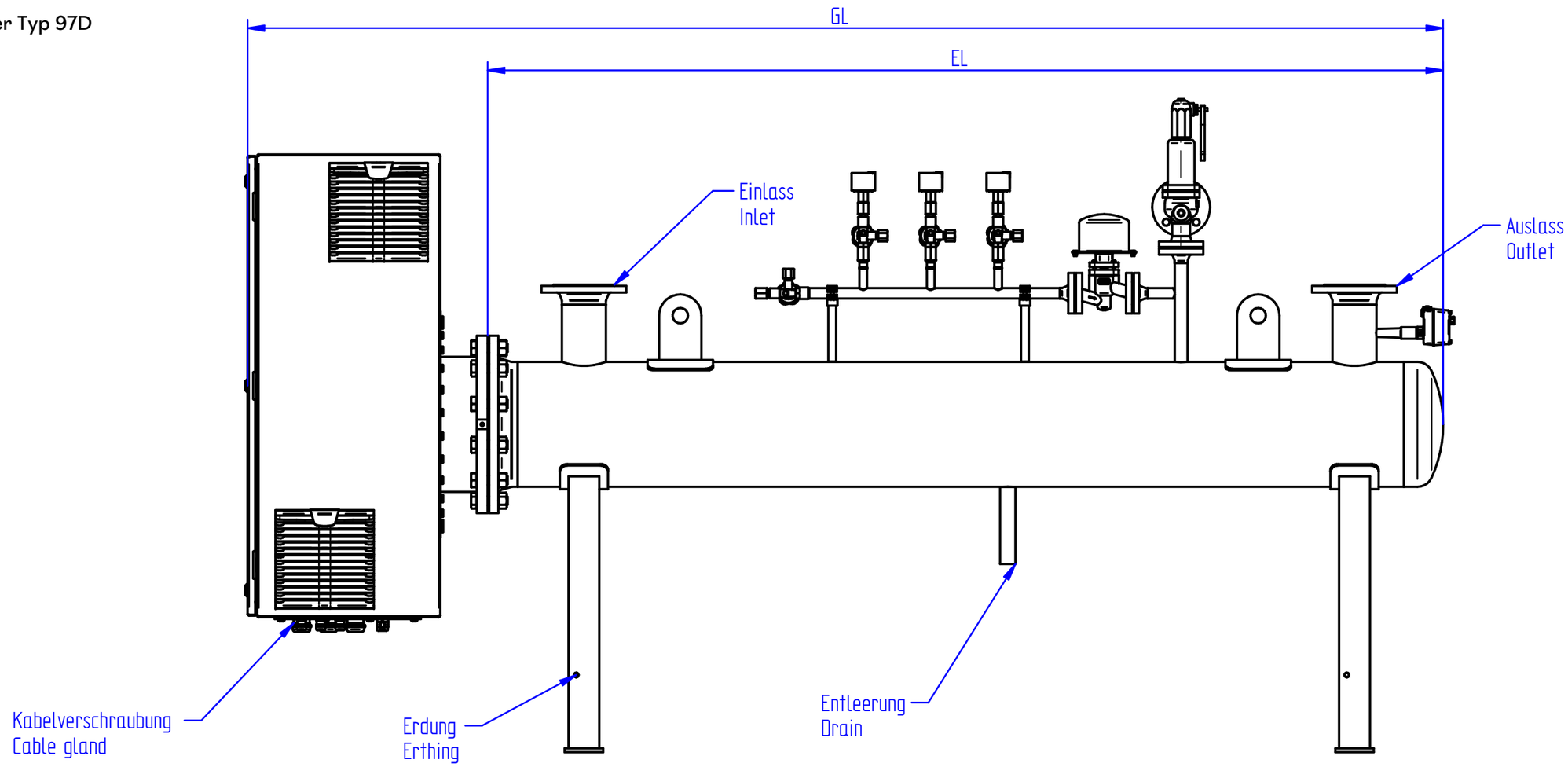
- Low maintenance - reducing operating costs and downtime.
- High energy efficiency - almost 100% conversion of electrical energy into thermal energy.
- Precise temperature control and monitoring possible in conjunction with electronic controls.
- Manufactured in accordance with Pressure Equipment Directive 2014/68/EU.
- High operational safety and reliability
- Good corrosion resistance of the materials

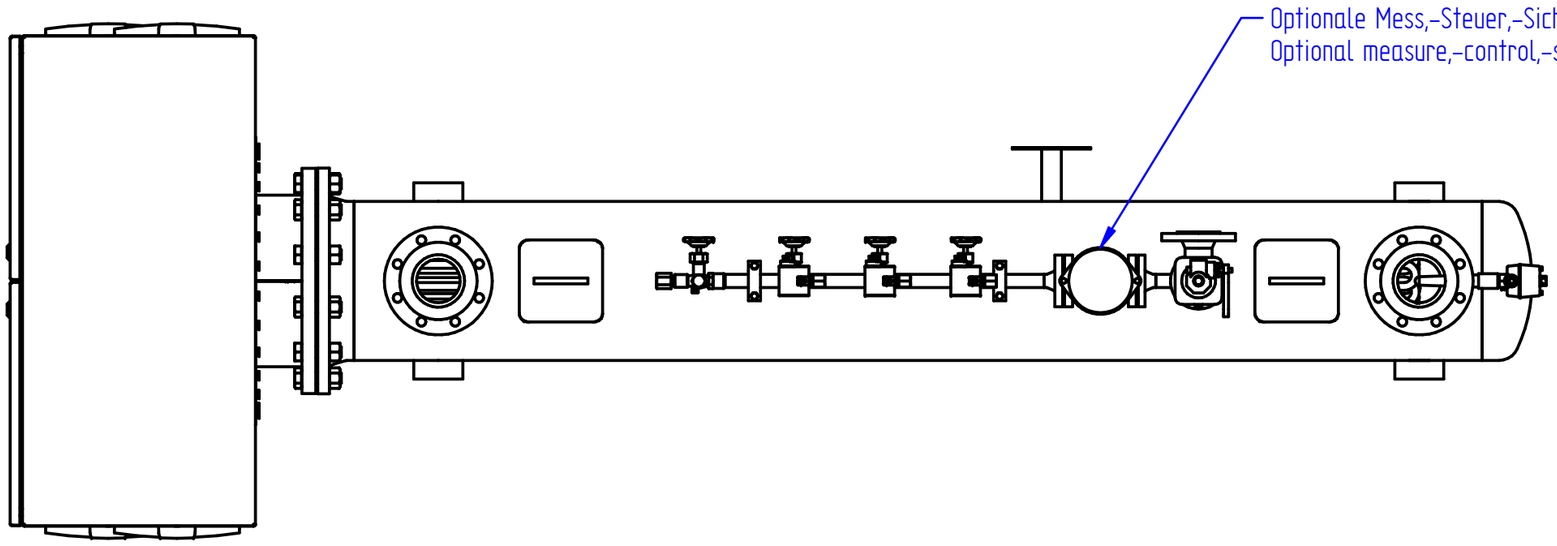
TECHNISCHE DATEN

Medium	Liquid and gaseous
Power	0.5 to 5000 kW
Voltage	110 to 690 V
Process data	Medium, pressure and temperature according to specification
Process connection	Flange: NW 40 to 1000
Heating elements	Tubular radiators Cartridge radiators High-performance cartridge heaters
Materials Heating elements	Steel;1.4404 (AISI 316L); 1.4541 (AISI 321); 1.4571 (AISI 316 Ti); 1.4876 (Incoloy 800); 2.4858 (Incoloy 825)
Installation length of cartridge heater	300 to 6000 mm
Installation length of tubular heating	150 to 3500 mm

element	
Temperature monitoring	Temperature controller, temperature limiter, Safety temperature limiter, PT100 or thermocouples
Protection class	IP00 to IP66
Customised versions on request	

Durchlauferhitzer Typ 97D





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