

CSN® cartridge radiator 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

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|-----------------------|--|
| 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 - 100°C |
| Limiter | EM-5, 0 - 150°C |
| Installation position | horizontal vertical on request |
| Operating pressure | up to 16 bar g |
| Operating temperature | max. 200 °C |

Patronenheizkörper Typ 9IF

