

SCR Heater



Technical Features

- Voltage: typ. 12 V / 24 V DC
- Heating output: 50 W - 500 W
- Switching (e.g. via thermostat) recommended

Possible Versions

- Filter heater
- Inlet/outlet point heaters
- Ambient heaters for areas at risk of freezing in the SCR system

In order to meet the emission standards for vehicles with diesel engines, SCR (selective catalytic reduction) technology is used.

In many cases, this involves the injection of an additive (brand name AdBlue), which releases ammonia in the exhaust gas stream.

Ammonia enables the conversion of toxic nitrogen oxides into water and nitrogen, so that legally required emission values are complied with.

The 32.5% urea solution is a comparatively harmless chemical with a crystallization start at -11°C . Therefore, all urea-carrying components are to be heated at low temperatures during operation to ensure the function of the SCR system.

At the same time, the urea decomposition temperature of 60°C must not be exceeded.

The following components should be considered: Filter, dosing system, dosing pump, tank, lines, connectors.

DBK Automotive offers special solutions tailored to the properties of the urea and the requirements of the SCR system.

