

# SCR Dosing System

Dosing system for SCR systems



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CPK Automotive is proud to present you a cost effective and compact SCR dosing system!  
The system, developed by CPK, uses well-known and proven components from Cummins Emission Solutions (Supply Unit and Dosing Unit of the UL2 series).

### How does it work?

Based on the measured  $\text{NO}_x$  concentration in the exhaust gas and the exhaust gas mass flow, the Control Unit determines the necessary amount of urea AdBlue, which is then injected into the exhaust gas flow upstream of the SCR catalytic converter via the Supply Unit and the PWM controlled Dosing Unit (Injector).

The control is a closed loop control based on pre and post  $\text{NO}_x$  concentrations. The system is fully autarkic, only necessary engine information: engine speed.

In addition to the  $\text{NO}_x$  sensors upstream and downstream of the SCR catalytic converter, the temperature sensors ensure that the SCR catalytic converters are operated in the temperature windows provided for this purpose in order to ensure maximum  $\text{NO}_x$  reduction with minimum ammonia slip.

