The Denoxtronic metering system injects diesel exhaust fluid (DEF), an aqueous urea solution of 32.5 %, into the exhaust-gas flow. The urea is converted into ammonia through thermolysis and hydrolysis.

In the catalytic converter, the ammonia reduces the nitrogen oxide to water and nitrogen.

The supply module delivers the diesel exhaust fluid with required pressure into the dosing module.

The dosing module ensures a precise diesel exhaust fluid quantity control and handles its atomization and distribution in the exhaust pipe.

The main task of the dosing control unit is the model-based calculation of the required dosing quantity according to a predetermined dosing strategy.