

# Denoxtronic 3 1 Urea Dosing System For Scr Systems

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### **Denoxtronic 3 1 Urea Dosing**

Urea Dosing System Denoxtronic 3.1 developed by Bosch has been in series production at several OEMs since mid 2008. Application of the Denoxtronic 3.1 already enables compliance with Euro 6 and Tier2 Bin5 limits. Possible applications The Denoxtronic 3.1 is primarily designed for use in passenger cars and in the light-duty segment. Further

### **Denoxtronic 3.1 - Urea Dosing System for SCR Systems**

Denoxtronic: Urea dosing system for SCR systems In order to restrict vehicle emissions, the emission limits are continuously being reduced worldwide. In the new emission legislation (e.g. Euro 6, from September 2014) as well as new emission test cycles further reduce these limits.

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## **Denoxtronic: Urea dosing system for SCR systems**

Denoxtronic 3.1 reducing agent dosing system developed by Bosch has been installed as standard by several vehicle manufacturers since mid-2008. When the Denoxtronic 3.1 is used, Euro 6 and Tier 2 bin 5 limit values can already be complied with. Figure 1: Control unit, delivery unit and dosing module of the Denoxtronic 3.1

## **Tips & Technology - Robert Bosch GmbH**

Denoxtronic dosing module Provides AdBlue for the exhaust system. The dosing module is part of the Bosch Denoxtronic system which contributes towards reducing the NOx emissions. It sprays the required diesel exhaust fluid (DEF) into the exhaust system. The System supports our customers for achieving current and upcoming emission regulations.

## **Denoxtronic dosing module - Bosch Mobility Solutions**

Denoxtronic: Urea dosing system for SCR systems. Denoxtronic dosing control unit. Operating principle of exhaust-gas treatment. Bosch understands the requirement for a coordinated system design that takes account of all interrelations and satisfies this demand with holistic solutions.

## **BOSCH DENOXTRONIC PDF**

Denoxtronic Urea Dosing System from Bosch further reduces these raw emissions by up to 95%. Instead of the multiple variants of the first generation (Denoxtronic 3.1), the second generation (Denox-tronic 5) has a standardized Supply Module which is fused with the AdBlue tank by the vehicle manufac-turer. This enables robust and economical ...

## **Denoxtronic 5 - Urea Dosing System for SCR systems**

Dosing Module DM 3.2 NOx Mixer sensor NOx sensor SCR catalytic converter classes will require active exhaust-gas treatment. The Denoxtronic injects AdBlue/DEF, a solution of 32.5% urea in

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water, into the exhaust stream upstream of the SCR catalytic converter. The urea is then converted via thermolysis and hydrolysis into Customer benefits ammonia.

## **Denoxtronic 5 - Urea Dosing System for SCR systems ...**

Selected technical specifications of Bosch Denoxtronic urea injection system; Parameter  
Denoxtronic 2.2 Denoxtronic 3.1 Denoxtronic 5; Dosing quantity: 36...7,200 g/h: 15...3,120 g/h:  
200...2,000 g/h: Operating pressure: 9 bar: 5 bar: 4.5-8.5 bar: Droplet size (SMD)  $\leq 75 \mu\text{m} \leq 100 \mu\text{m} \leq 100 \mu\text{m}$ : Spray angle: 10°-23° Dosing readiness  $\leq 30$  s after start-up

## **Urea Dosing and Injection Systems - DieselNet**

Task The Denoxtronic dosing system injects AdBlue®, a solution of 32.5% urea in water, into the exhaust gas flow. The urea is then converted via thermolysis and hydrolysis into ammonia, which in turn breaks down the nitrogen oxides in the exhaust into water and nitrogen. Function A supply module draws the AdBlue® from

## **Denoxtronic 5 - dosing system for AdBlue® in SCR systems**

made up of an SCR catalyst and a urea dosing system. When combined, these components convert up to 95% of the ... 1 3 D Engine CAN Exhaust gas Reduced pollutants Actuators Sensors Bosch components Denoxtronic: Dosing control unit / Electronic engine control unit Supply module Denoxtronic filter Dosing module NO x5 sensor Particulate matter ...

## **Denoxtronic 2.2 SCR System for Heavy Commercial and Off ...**

Def Urea - \$120.00. Def Urea Dosing Valve Genuine Module Bosch For Cummins Isx 2888174. Daf Truck - \$68.00. Daf Truck Cf Xf Genuine New Dosing Module Coolant Pipe 2140521. Def Urea - \$80.00. Def Urea Dosing Valve Genuine Module Bosch For Cummins Isx Trucks 8982318982 Oem. Genuine Volvo - \$389.50.

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## **Genuine Dosing For Sale - Commercial Truck Parts**

More than 300.000 Units have been delivered in 2007 for heavy duty applications. Typical dosing quantities for those systems are in the range of 0.01 l/h for passenger car systems and up to 10 l/h for commercial vehicles.

## **The Challenge of Precise Characterizing the Specific Large ...**

Dosing Control Unit (DCU) is possible: Departronic 2 and Denoxtronic 2.2 (Urea Dosing System for SCR-Systems) Supply from the low-pressure circuit of the diesel injection system is possible Full software support 12 or 24 Volt operation Low-pressure fuel circuit Metering Unit Temp. sensor Coolant Temp. sensor Diff . pressure Injection sensor Unit

## **Departronic 2 - Diesel Dosing System for particulate ...**

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.

## **Denoxtronic exhaust-gas treatment system**

It reduces nitrogen oxides. Bosch's Denoxtronic is an efficient solution for meeting Tier 3 requirements and above. It injects AdBlue, a solution of percent urea in. Bosch components. Dosing control unit DCU/ electronic engine control unit MDG1. Optional with MDG1: heater control unit HCU-PC. Optional with MDG1.

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step - Duration: 10:02. Папа строит дом Recommended for you

### **Urea Bosch Denoxtronic video**

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