

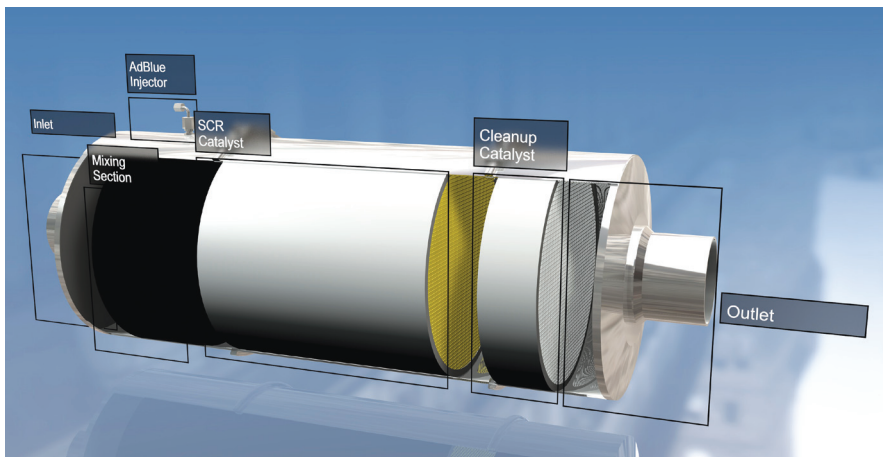
# Eminox SCR System

## NOx Reducing Technology



The Eminox SCR (Selective Catalytic Reduction) system reduces up to 70% of nitrogen oxides (NOx) from diesel engine exhausts. NOx is a serious health concern, as it can cause inflammation of the lungs and lower resistance to respiratory infections.

Our SCR system is supplied as original equipment and for retrofit, allowing Euro 1 to 3 vehicles to meet Euro 4 and 5 NOx emissions levels. The system is suitable for buses, trucks and other heavy duty vehicles, with each system tailored to the needs of individual vehicles. Different configurations, including linear and close coupled, are available to fit a range of space envelopes. Eminox is a proven original equipment supplier of SCR systems, as well as supplying retrofit systems across Europe.



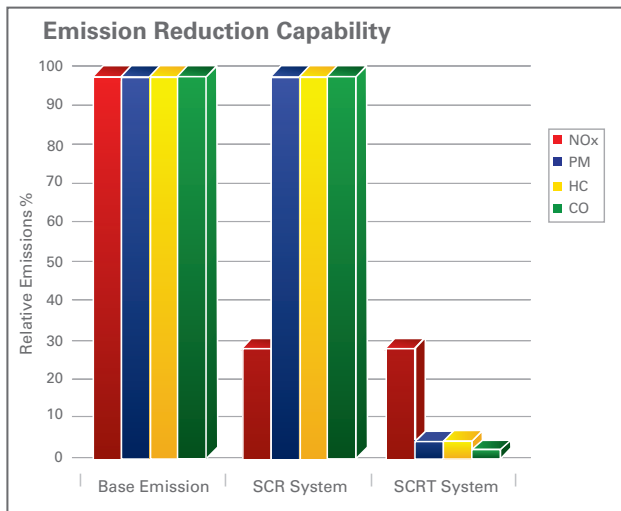
The Eminox SCR can also be used in conjunction with our market leading CRT<sup>®</sup> (Continuously Regenerating Trap) in a combined Eminox SCRT<sup>®</sup> system which, as well as reducing NOx, also reduces particulate matter, hydrocarbons and carbon monoxide by more than 90%.



## Technology

SCR is the process by which nitrogen oxides (NO<sub>x</sub>) are removed from diesel engine exhaust gas. This NO<sub>x</sub> reduction is achieved by injecting precise amounts of AdBlue as an aerosol spray into our unique mixing section. The AdBlue is converted to ammonia, which neutralizes the nitrogen oxides to produce a harmless mixture of water and nitrogen.

The AdBlue dosing is actively managed to avoid deposits and ammonia slip. The system also incorporates an extra clean up catalyst to neutralize any excess ammonia. The unique injector design combined with an automated nozzle cleaning strategy prevents nozzle blocking.



## Features and Benefits

- Unique mixing section which makes the system more compact.
- Unique injection system combined with automated nozzle cleaning strategy to prevent nozzle blocking.
- Incorporates specially formulated Johnson Matthey catalyst technology.
- Type approved to EMC (Electro-Magnetic Compatibility) requirements.
- Packaged in a modular stainless steel unit.
- Different configurations available to fit a range of space envelopes.
- Can be combined with an Eminox CRT<sup>®</sup> system to produce an SCRT system.

CRT<sup>®</sup> and SCRT<sup>®</sup> are Registered Trademarks of Johnson Matthey plc

North Warren Road Gainsborough DN21 2TU United Kingdom

Tel: +44 (0)1427 810088 Fax: +44 (0)1427 810061 Email: enquiry@eminox.com



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www.eminox.com

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001.09.09  
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