**BLUNOX® SCR Systems**

BLUNOX Digital Airless Multipoint SCR is a complete SCR system to reduce NOx emissions by up to 98%. Compliance with IMO MARPOL Tier III is guaranteed. The illustration to the left shows the entire installed BLUNOX system with optional extras.

The patented Airless BLUNOX SCR solution is unique and sets itself apart from any other competing SCR system by being the only system on the market to use:

- Airless Injection of Urea
- Digital Dosing Technology

These combined produce a very compact, simple and durable system with virtually zero energy consumption.

Systems available for engines up to 25 MW.

**BLUNOX® SCR System Types**

BLUNOX comes in two types; type E and type C:

**Type E:** This Type has the most compact catalyst housing but needs 2-5 meters of stainless steel piping between the urea injection and the catalyst housing. This increases backpressure and makes it the least compact type.

**Type C:** With this model the urea nozzle section can be placed immediately before the catalyst housing inlet. This eliminates the need for the 2-5 meters of stainless steel piping needed with the E type. This model is overall more compact and has better noise attenuation.

**Specifications**

BLUNOX operates with:

- Airless Injection of Urea
- Digital Dosing of Urea
- Reducing agent: aqueous urea water solution 32% or 40%
- Airless low pressure urea injection 7-10 bars

The BLUNOX solution means:

- No compressed air supply/air compressor
- No cooling liquid circuit for urea injection
- No exhaust gas flow dressers
- No exhaust gas mixers
- No long urea injection pipes
- No requirement for 2-5 meters of exhaust piping between urea injection and catalyst housing (type C)

DANSK TEKNOLOGI has developed and sells the Digital Airless Multipoint® SCR Systems for NOx reduction under the trademark BLUNOX®.

Compared to traditional SCR systems, our systems are based on patented next generation technology, which allow them to operate without the use of compressed air, and many unnecessary components, moving parts and electronics have been eliminated.

This gives a system, which is much more compact/low weight and reliable than traditional systems. For the same reasons our systems are also much easier and cheaper to install.

Substantial energy/fuel savings are achieved as a result of not using compressed air for the SCR process (typical saving of EUR 5,000 to 20,000 per year)

**BLUNOX® and Digital Airless Multipoint® are registered trademarks of DANSK TEKNOLOGI**
Outstanding Innovation and Delivery Track Record

Since 1982 DANSK TEKNOLOGI has worked as a product development contractor to many of the world's leading companies such as A.P. Møller-Maersk, Airbus, Grundfos and Novo Nordisk to name a few. More than 850 projects have been successfully completed. DANSK TEKNOLOGI is also highly experienced within manufacturing and assembly of industrial products.

Chosen by the Royal Danish Navy

The Digital Airless Multipoint® (DAM) SCR technology was originally developed by DANSK TEKNOLOGI for truck and bus applications and has been extensively tested in cooperation with leading engine manufacturers. The DAM SCR is now available for marine applications and has been chosen, field-tested and implemented by the Royal Danish Navy.

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