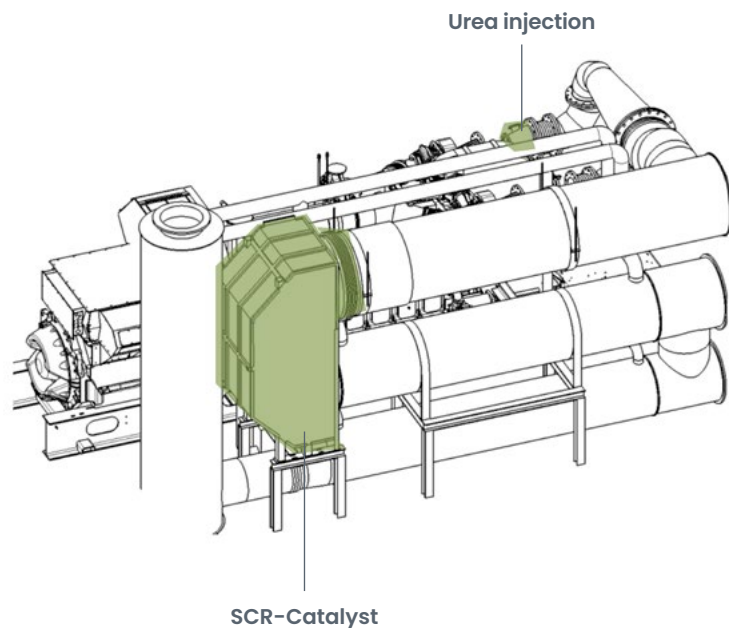JENBACHER

SCR-CATALYST RETROFIT PACKAGE

For integration to existing pipeline gas plants

The SCR-Catalyst package is designed for integration to existing pipeline gas plants to help them comply with low NO_x emissions requirements. For instance, the Netherlands' BEMS decree requires NO_x < 88 mg/Nm³ at 5% O_2-dry emission for plants with more than 2 MW of thermal output.

Urea injection

SCR-Catalyst

Learn more about the implementation of the Jenbacher emissions reduction package in practice: **Customer reference STAWAG**

Upgrades: Enhancing performance

Our innovative solutions are constantly upgraded to increase your plant's sustainability and bring you top economic results. Let INNIO Group—your Jenbacher system's original equipment manufacturer (OEM)—partner with you for the unique insights you need to always stay up to date. Building on your constant feedback, we offer a broad range of upgrade packages for your Jenbacher products. That is why we also continuously develop emission reduction solutions for you.

Product details

You can choose between a standardized solution for self-integration to the current plant design (Light package) or a complete customized plant integration from the OEM (Full package).

Light package:

— SCR housing filled with catalyst material
— Dosing system including urea pump panel, air supply and metering panel, dosing valve panel, injector
— Measurement devices (delta-p, T in/out, NO_x)
— Electrical hardware changes inside control cabinet
— Software changes to DIA.NE unit control system
— Commissioning
— OEM documentation update

Full package:

— Light package scope
— Mechanical and electrical engineering
— Integration of the system components to the existing plant
  › Mechanical: panels, support structure, piping changes, compensators
  › Electrical: hardware mounting, wiring, testing
  › Urea system: transfer lines and interconnections
— System checks and test runs
— Turbocharger enhancement to reduce operational impact of back-pressure increase
— Commissioning
— OEM documentation update

Options:

— Urea tank
— Trace heating for urea transfer line
— Scaffolding
— Third-party measurement

[1] Standard pricing for Light package available. Project-specific pricing for Full package and options.

Out of scope:

— Any permit changes
— Civil works beyond optional support structure for SCR housing

Customer benefits

Complete OEM solution
Enhanced SCR-system solution carefully aligned with the engine to reduce trade-offs between low emissions and increased engine performance

High temperature resistant catalyst formulation
In most cases, no need for installation and integration of an additional exhaust pre-cooler before the SCR system

Back-pressure enhanced design
Low pressure drop design to avoid/reduce power deratings at hot ambient conditions

Compact system dimensions and use of existing components
Lower plant re-building efforts and, therefore, lower installation cost of the overall solution

Controls integrated in Jenbacher DIA.NE unit control system
Joint control system for enhanced interaction between engine and the SCR system. Simple control with well-known unit user interface

Remote monitoring and diagnostics

Service agreement option
New and existing maintenance agreements can be extended to include the SCR system.

Applicable units[1]

J320	✔	J420	✔	J616	✔
J416	✔	J612	✔	J620	✔

Upgrade your engine
Enhancing performance
jenbacher.com/upgrades

For more information, visit INNIO Group's website at **innio.com**, the Jenbacher website at **jenbacher.com**, or the Jenbacher Services website at **jenbacher.com/en/services**

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