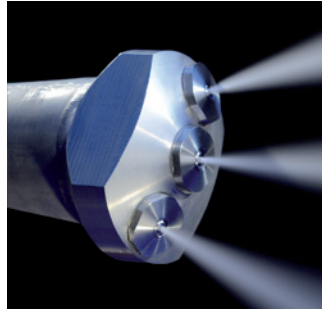




**NEW**

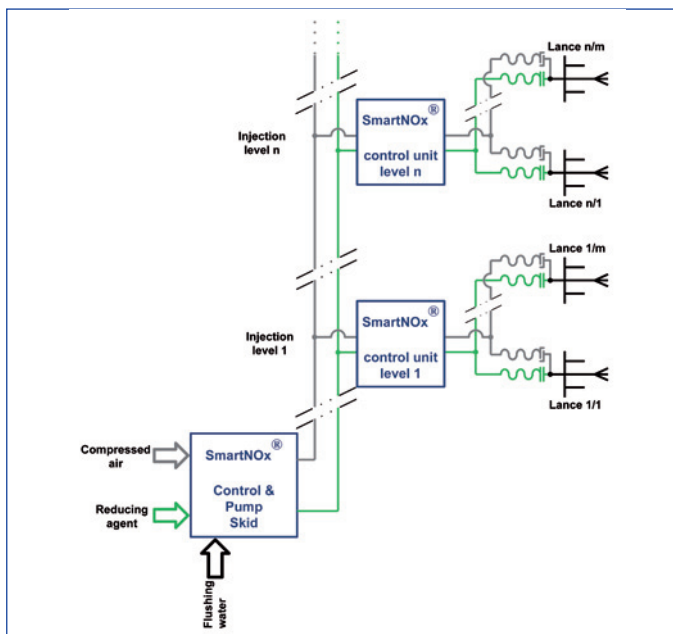
## The new Lechler SmartNOx<sup>®</sup> System



### SNCR and SCR processes are often used in any kind of industries to reduce NOx emissions

Besides primary reduction measurements and other parameters, such as temperature, the droplet size is also of particular importance for ensuring optimum process results. Droplets must be sufficiently large, so that they will penetrate deep into the flue gas flow and nevertheless still evaporate reliably.

The most even distribution of the reducing agent possible, is also very important.



Lechler SmartNOx<sup>®</sup> System

- **Modular adjustable according to number of injection levels and nozzle lances (High Efficiency SNCR)**
- **Standardized production series to achieve competitive pricing while maintaining the high Lechler quality standard**
- **Short delivery times**
- **Standby and bypass solutions for safe operation and high availability integrated**
- **Pumps with magnetic couplings**
- **Integrated gas detection therefore skid is “durably technically tight” according to DIN EN 1127-1**
- **Drip tray against spillage integrated**
- **Standardized technical documentation for easier implementation into global plant documentation**
- **Integrated connection for flushing the system with water**
- **Integrated solution for flushing injection levels that are not in operation with air, while injecting at another level**

The feed flows should be handled with a reliable valve skid that allows adjustment of the appropriate process parameters for the injection.

The new SmartNOx<sup>®</sup> System is especially well suited for smaller DENOX applications in Waste incineration, Sugar, Glass and Cement industry or for industrial boilers. Together with Lechler’s profound knowledge of atomization this gives you a perfect solution to fulfill your DENOX tasks.

Choose Lechler and you can be sure of unsurpassed know-how and perfect technology.



Lechler GmbH  
Precision Nozzles - Nozzle Systems  
P.O. Box 13 23  
72544 Metzingen / Germany  
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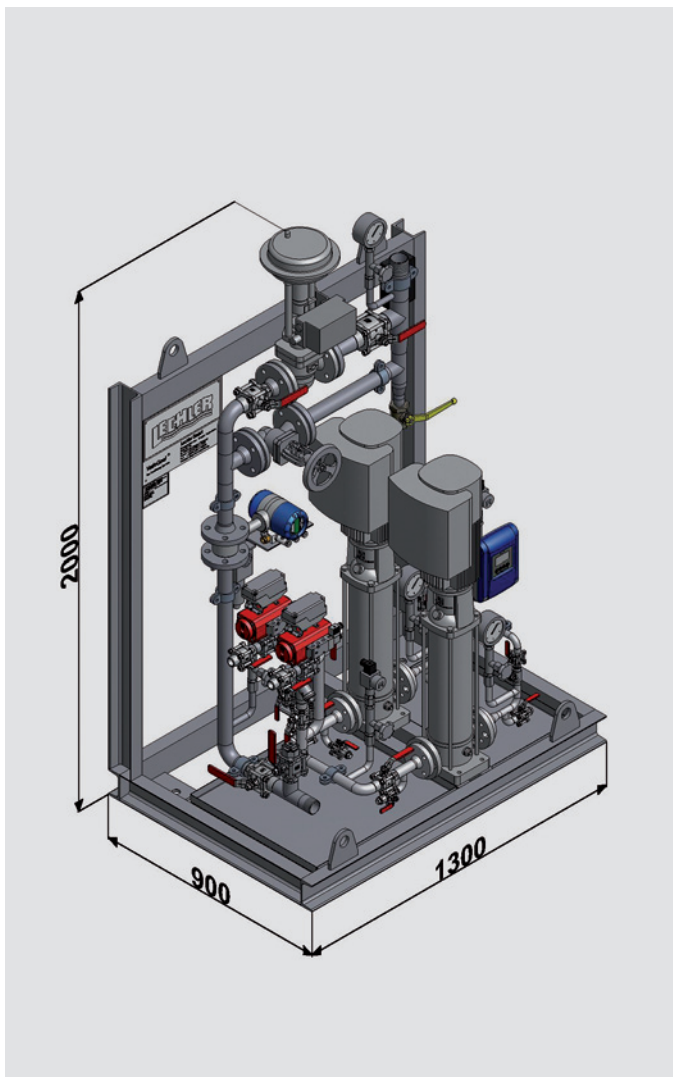
E-Mail: [info@lechler.de](mailto:info@lechler.de)  
Internet: [www.lechler.de](http://www.lechler.de)

## Technical Data SmartNOx®

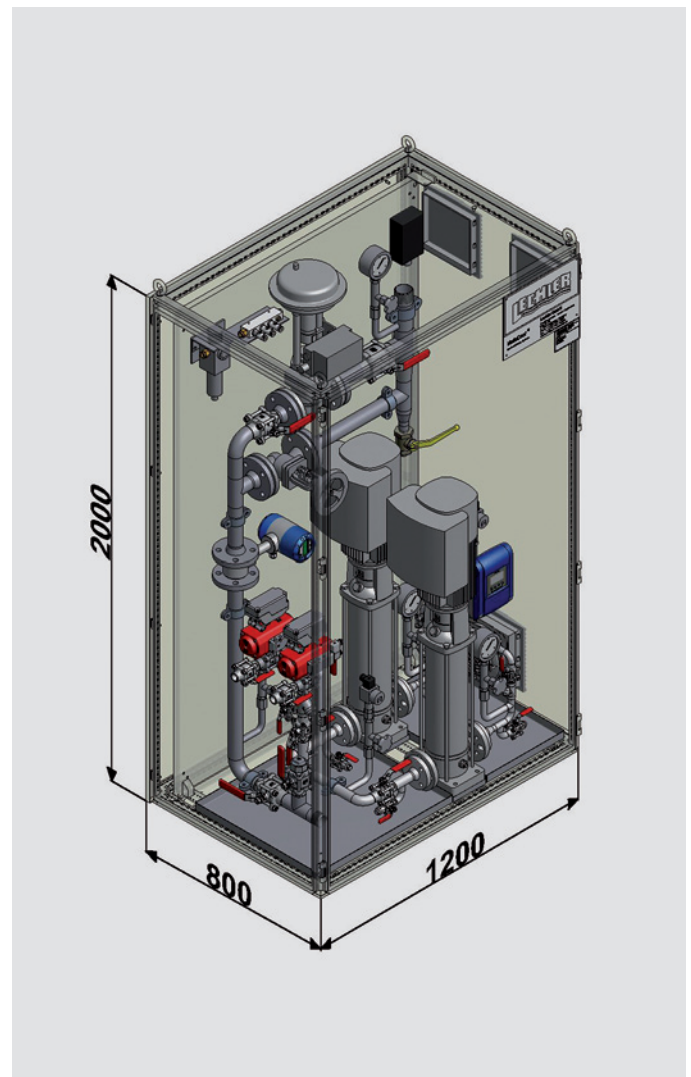
- Durably technically tight according to DIN EN 1127-1
- Piping according to DIN EN 12952-14
- X-ray inspection on 10 % of all verifiable welding seams
- Material certificates according to DIN EN 10204

**Size I:** 0.005 – 1.0 m<sup>3</sup>/h reducing agent @ 0 – 10 bar, g outlet pressure (minimum Flow Line back to tank required in case of < 0.04 m<sup>3</sup>/h)

**Size II:** 1.0 – 2.7 m<sup>3</sup>/h reducing agent @ 0 – 10 bar, g outlet pressure



SmartNOx® on frame



SmartNOx® in cabinet