



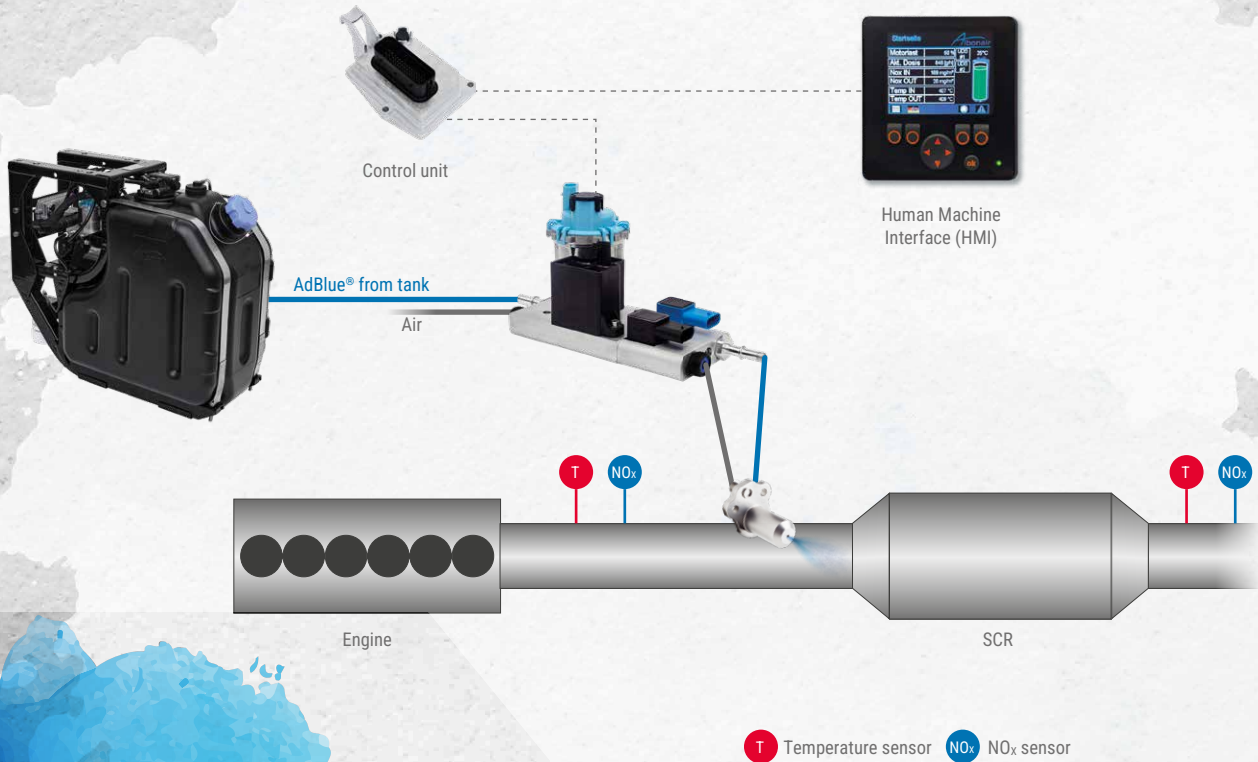
STATIONAIR

EXHAUST AFTERTREATMENT
SYSTEM FOR STATIONARY
APPLICATIONS



STATIONAIR CONCEPT

- Stand-alone exhaust aftertreatment system specially developed for stationary applications
- All components, metering unit (UDS), nozzle and tank system, are proven Albonair products from the automotive sector
- System can be adapted to meet exactly the requirements of the application
- Only incoming signal from engine needed for calculating the necessary AdBlue® quantity: engine load (4...20 mA; 0...10 V or via CAN)
- Central control via display (HMI) with adjustable dosing characteristic and the option of automatic control to a desired NO_x-OUT value
- Possibility to have up to eight dosing units connected in parallel (each with its own nozzle)

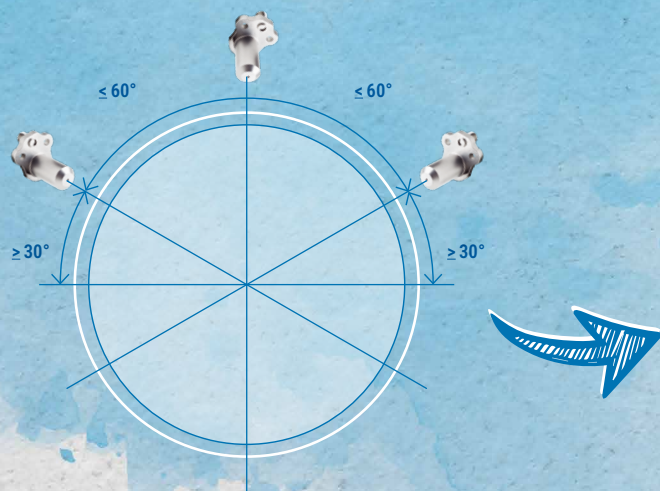


AREAS OF APPLICATION

- Gensets
- Ships

UREA DOSING SYSTEM (UDS)

- Power supply: 24 V
- Air-assisted (air supply: 6-10 bar)
- Operating temperature range: $-40^{\circ}\text{C} \leq T \leq +65^{\circ}\text{C}$
- Dosing frequency: max. 50 Hz
- Dosing amount per UDS: 10.000 g/h Urea/AdBlue®



NOZZLE

- Dimensions: 40 x 45 x 56 mm
- Spray angle: $13^{\circ} \leq \alpha \leq 18^{\circ}$
- Air volume flow: 10...20 l/min
- Temperature range: $-40^{\circ}\text{C} \dots +800^{\circ}\text{C}$
- External mixing two component nozzle
- One nozzle per UDS



CONTROL UNIT

- High-level control, to calculate the necessary amount of AdBlue® to minimize the actual NO_x-OUT emission – not interacting with ECU
- Calculates dosing rates for each urea dosing unit (UDS) -> up to 8 units can be controlled
- Controls urea supply pump
- Reads out NO_x sensors and exhaust temperature sensors



- Closed loop function available for optimized NO_x reduction
- Only incoming signal from engine needed: engine load (4...20 mA; 0...10 V or via CAN)
- Remote control via CAN signals possible



Albonair's mission is to make air cleaner – with innovative exhaust aftertreatment systems made in Germany. The company has specialized in the development and manufacturing of urea dosing as well as heating and heat retention systems for lowest NO_x emissions.

As a volume producer with more than 2 million systems in the market, Albonair is an established and proven original equipment manufacturer worldwide.

Albonair has in addition to its headquarters in Dortmund further locations in Chennai (India) and Shanghai (China).

CONTACT

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