SAR Chem-Tech Solution



ADVANCED NOx ABSORPTION SYSTEM

Compliant with CPCB/SPCB Norms – Proven Performance

Engineered for Clean Air,
Delivered with Excellence

ABOUT US

At SAR Chem Tech, we are pioneers in providing cutting-edge machinery and process solutions for NOx gas systems. With over a decade of experience and a team of seasoned experts, we have successfully built and delivered more than 12 systems for chemical and nitration process industries.

OUR OBJECTIVE

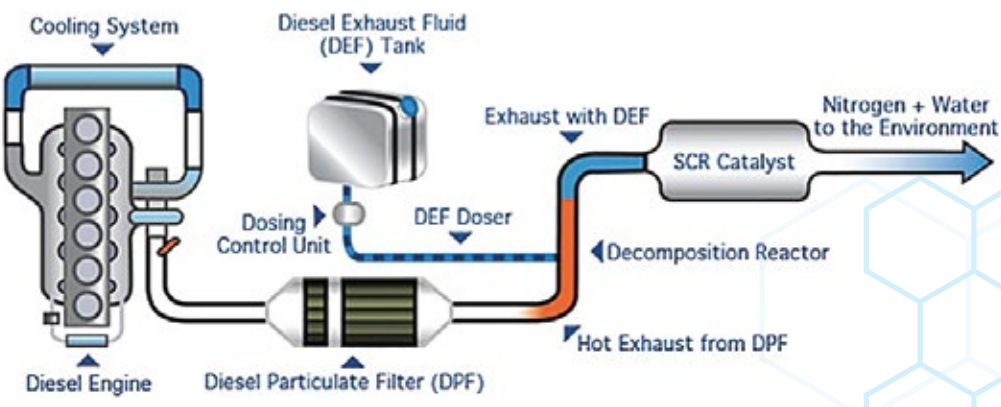
It is to offer reliable and cost-effective engineering solution systems to chemical and nitration process industries, mainly in the areas of heat and mass transfer separation operations.



WHY NOx CONTROL?

NOx gases are major pollutants released from chemical plants, nitration processes, and combustion units. These gases contribute to acid rain, smog, and respiratory problems. Indian environmental regulations mandate strict NOx emission limits.

Our system is designed to help industries achieve compliance while ensuring operational efficiency.





OUR TECHNOLOGY

KEY FEATURES OF OUR NOX ABSORPTION SYSTEM:

- Meets outlet NOx < 100 mg/Nm³ (or as required)
- High-efficiency packed bed absorption
- Atmospheric and pressurized configurations
- Compatible with chilled water, alkali, or water-based absorption
- Optional nitric acid recovery unit

CONSTRUCTION OPTIONS:

- MSRL / SS316 / SS304 / FRP
- Skid-mounted or site-assembled
- PLC-based automation (optional)

TECHNICAL SPECIFICATIONS

Inlet NOx	Up to 30%
Outlet Emission	<100 mg/Nm³ or as per norms
Absorbent	Water / Alkali
Flow Range	500–10,000 Nm³/hr or custom
Design Type	Vertical Packed Bed Scrubber
MOC Options	FRP / MSRL / SS316

BENEFITS

1. Fully compliant with environmental standards
2. Nitric acid recovery adds value
3. Low operational cost
4. Simple maintenance
5. Compact and modular design
6. Proven field performance

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OUR CLIENTS

Godrej

MANE KANCOR

DEEPAK NOVOCHEM TECHNOLOGIES LIMITED

Deepak Fertilisers and Petrochemicals Corpn Ltd

TIRUMALAGRO ETHENOL LLP

ALKYL

10+

Years of experience



8

Industries Served

12+

Factories Built

CONTACT US

Looking to implement an efficient NOx Absorption System?
Connect with SAR Tech today and let our specialized expertise turn your emission control goals into a sustainable reality.

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