Emission control innovation, accelerated™
Forward thinking. Forward moving.

Optimized NOx abatement to effectively meet your emission targets

Selective Catalytic Reduction (SCR) is the world’s leading method for reducing NOx emissions. Yet, not all SCR systems are created equal. Tenneco’s XNOx™ SCR – a comprehensive and adaptable diesel emissions fluid solution – leads the way, enabling our customers to meet the world’s increasingly stringent NOx emission standards and performance goals.

When it comes to NOx abatement, engine and vehicle manufacturers need an emissions control partner with just the right solution to meet global regulatory requirements. Tenneco is that partner, and the XNOx SCR system is that solution.

XNOx SCR combines Tenneco’s expertise in calibrating dosing systems with top-performing components like the XNOx injector to deliver an optimized solution with greater than 95% NOx conversion efficiency, while minimizing exhaust system complexity.
**XNOx™ SCR FEATURES & BENEFITS**

- **Adaptable model-based controller**
  - Predicts engine-out NOx and accounts for ammonia storage and time-related catalyst degradation
  - Offers engine-interface flexibility, with direct electronic control unit (ECU) integration or independent operation

- **Patented injector purposely designed for exhaust systems**
  - Features innovative return-flow design for superior thermal tolerance without added complexity
  - Uniquely accommodates urea or hydrocarbon dosing
  - Creates up to 32% smaller droplets than competitive injectors for more efficient evaporation and distribution
  - Provides unmatched droplet consistency that leads to reduced exhaust system complexity
  - Offers highly flexible, flush-mount architecture (180° capable) to minimize costs

- **Complete engineering solution**
  - Collaborative systems approach maximizes efficiency and performance per application
  - Industry-renowned modeling and correlation of exhaust, spray, mixing and cone geometry reduce development time and costs
  - Integrated mixing device enables optimal flow distribution across the SCR catalyst, minimizing urea deposits and associated risks
  - Achieves optimum NOx conversion efficiency while minimizing backpressure and costs
THE ENGINE OF INNOVATION IN EMISSION CONTROL

At Tenneco, innovation is a hallmark of everything we do. In our advanced emission control technologies and solutions. In our unique, total-system integration expertise and approach. In our commitment to partnership and collaboration. We’re always looking beyond the technology horizon to foresee and develop the next-generation emission control solutions that accelerate our customers’ success and keep them moving toward the future.

From development through delivery and beyond—we help our partners drive transportation innovation, full speed ahead.

Partnership built on performance

At Tenneco, we don’t simply provide a product. We provide a partnership—taking into account customers’ entire systems, their unique needs and applications, technology requirements, market challenges and goals. With the XNOx™ SCR and our full suite of advanced solutions, we offer the partnership that drives the innovation that maximizes performance and enables true emission control.

TENNECO IS EVERYWHERE OUR CUSTOMERS NEED US

Our reach is global, but our focus is local, helping customers in each region adapt our global capabilities and technologies for local applications.

- 24,000 people
- More than 87 manufacturing facilities
- 14 state-of-the-art research and development centers
- 4 dedicated research and development centers for emission control engineering

Markets served:
- Light vehicle
- Commercial vehicle
  - On-road
  - Off-road
- Locomotive
- Marine
- Stationary
- Large engine
- Retrofit

PLEASE CONTACT OUR EMISSION CONTROL TEAMS AROUND THE WORLD …

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