Clean Air 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.
The durable FDS is self-contained to enable the proper system pressure and fluid cleanliness to the injector to develop the spray characteristics needed by the SCR system.

The XN0x™ SCR FEATURES & BENEFITS:

- **Optional controller**
  - Predicts engine-out NOx, and accounts for ammonia storage and time-related catalyst degradation
  - Flexible engine interface. Customers choose from electronic control unit (ECU) integration or independent operation
  - Easy integration to Tenneco’s compact fluid delivery system (FDS)

- **Patented injector purposely designed for exhaust systems**
  - Return flow design provides superior thermal tolerance without added complexity
  - Watercooling optional for thermal range extension or unique market requirements
  - Minimizes droplet size for efficient evaporation and distribution
  - Provides unmatched droplet consistency that leads to reduced exhaust system complexity
  - Offers highly flexible integration options for improved packaging and reduced system cost

- **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
  - Suite of advanced mixing technologies 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 CLEAN AIR

At Tenneco, innovation is a hallmark of everything we do. In our advanced clean air 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 clean air 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.

- More than 30,000 employees worldwide
- More than 90 manufacturing facilities
- 15 state-of-the-art research and development centers
- 5 dedicated research and development centers for clean air engineering

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

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