



**AIRGAS DIESEL EXHAUST FLUID**

## Looking for a Customized DEF Distribution Solution?

**Beginning in 2010**, every diesel engine using Selective Catalytic Reduction (SCR) technology will be required to use a NOx (Nitrogen Oxides) reducing agent such as Airgas AiRx™ Diesel Exhaust Fluid (DEF). In choosing a DEF supplier, it is important to find an experienced company who understands your issues and can be flexible in meeting your needs. Airgas has the expertise, nationwide supply and customized distribution solutions to help you engineer the right DEF supply strategy for you.

### Experts in Pollution Control

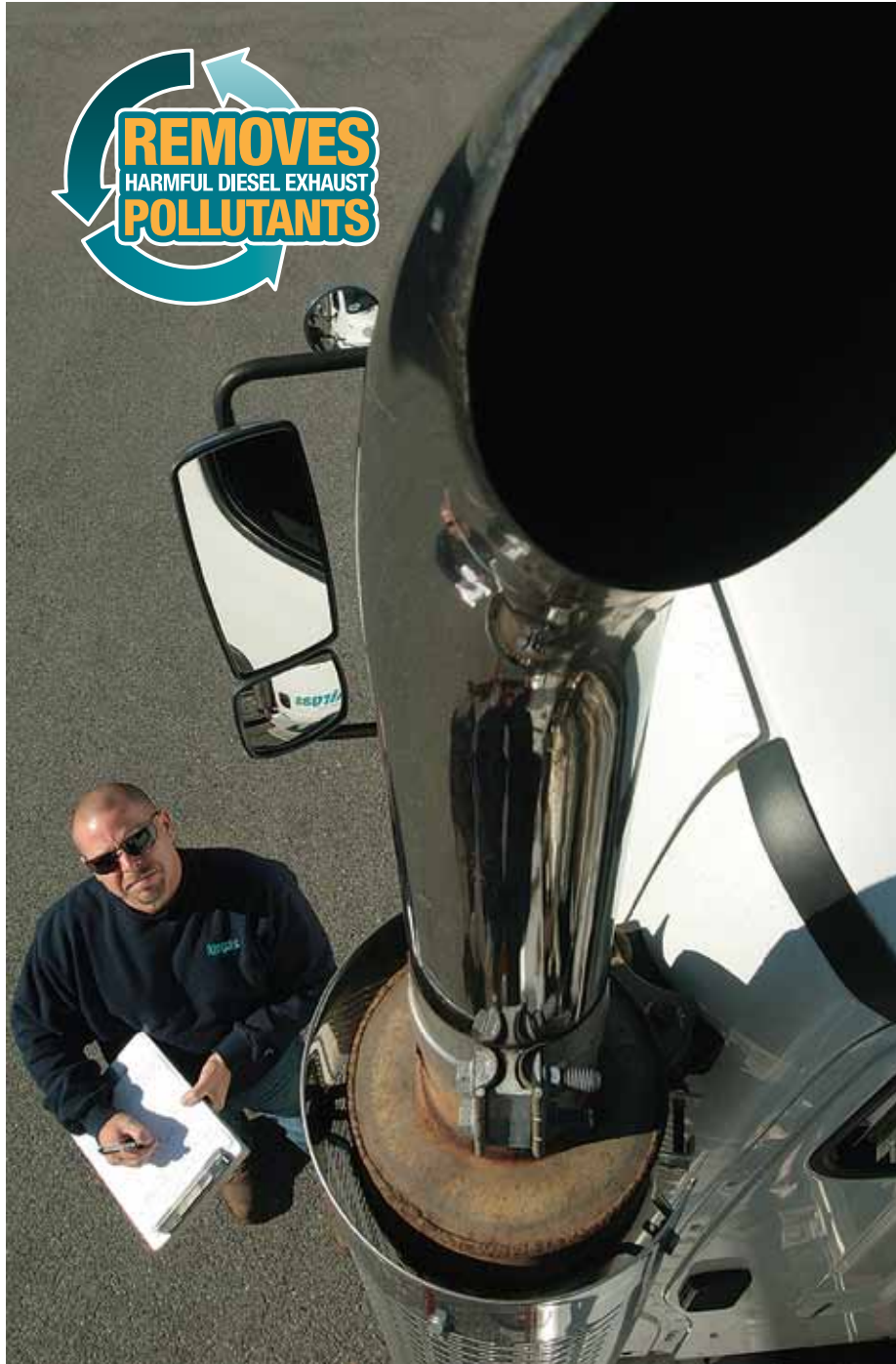
Airgas is the largest US distributor of industrial ammonia products. Their expertise is in handling reagent quality liquids, and they currently have more than 300 stationary DeNOx applications being served.

### Nationwide Supply

Airgas has the national footprint needed for successful distribution coast-to-coast. They offer high quality Airgas AiRx Diesel Exhaust Fluid in one and two-and-one-half gallon bottles and also in 55-gallon drums and 275-gallon totes.

### Customized Distribution

With an existing fleet of trucks, drivers, bulk storage and facilities, Airgas has all the dedicated storage and necessary equipment in place to help you develop the right solution for all your DEF needs.



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[www.AirgasDEF.com](http://www.AirgasDEF.com) | (866) 977-4DEF

**Airgas.**  
You'll find it with us.™



## What is Selective Catalytic Reduction (SCR)?

SCR is the leading technology in NO<sub>x</sub> (Nitrogen Oxides) reduction for diesel engines. NO<sub>x</sub> reduction is necessary because NO<sub>x</sub> can contribute to acid rain and smog, making it harmful to our health and our environment. In order to reduce NO<sub>x</sub> emissions, SCR requires a catalytic converter and a reducing agent known as Airgas AiRx Diesel Exhaust Fluid. Airgas AiRx is injected directly into the exhaust upstream of a catalyst. There Airgas AiRx vaporizes and decomposes to form ammonia. The ammonia then works in conjunction with the SCR catalyst to break down NO<sub>x</sub> into harmless nitrogen and water.

## What are the advantages of using SCR and Airgas AiRx?

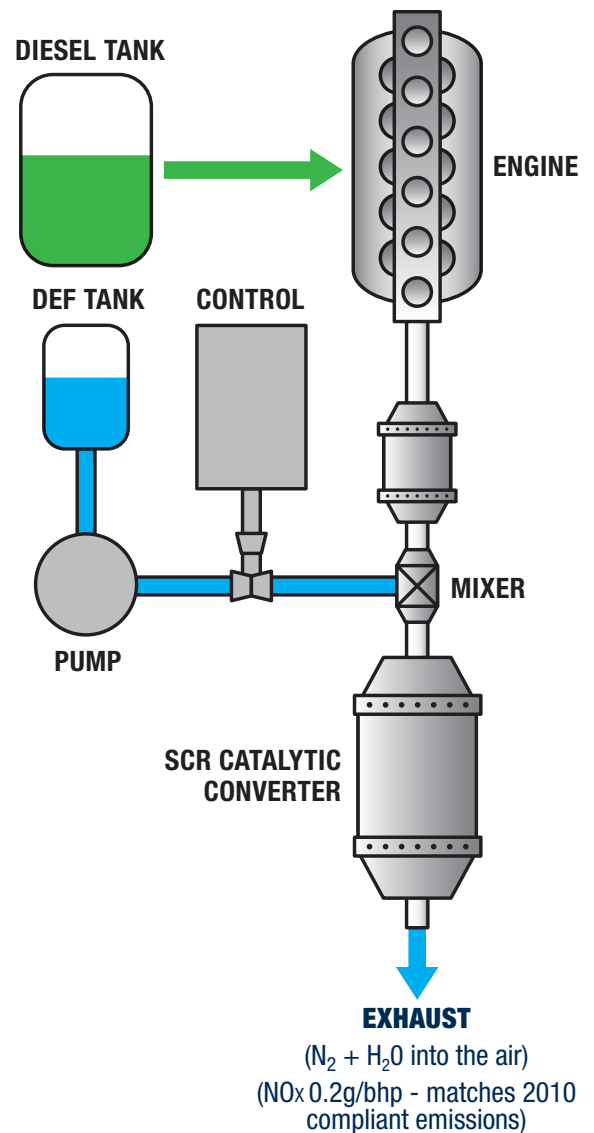
- Fuel efficiency
- Reduced emissions
- Improved engine lubricant and filter life
- Reduced maintenance costs

## Airgas AiRx Information

Airgas AiRx is a 32.5% urea-based solution that is API Certified and complies with ISO 22241-1. The consumption is expected to be 2%-4% of diesel fuel, and will be stored in a separate tank.



## How Does SCR Work?



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