



**Emission  
Solutions**

# Urea Tank System.



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Cummins Emission Solutions is a leading global aftertreatment and engineered-component supplier. We leverage our unrivaled technical understanding of aftertreatment systems to offer the appropriate technology to support and meet constantly evolving emissions standards for on- and off-highway markets. Our continued commitment to meeting the highest standards within the ever-changing emissions industry has earned us a strong reputation for providing the right solutions for our customers.

## **Urea Tank System.**

Cummins Emission Solutions' Urea Tank System provides customers with the convenience of a fully packaged aftertreatment system for Selective Catalytic Reduction (SCR) technology. The Urea Tank System portfolio includes a range of urea tanks and header assemblies equipped with required sensors, as well as a wide range of urea lines to meet the installation needs of many applications.



## **Reliable Technology At Your Convenience.**

The Urea Tank System features a full tank assembly with a header unit and sensors which monitor urea levels, temperature and urea quality. The urea-quality sensor detects and monitors the urea liquid composition, allowing the system to function at an optimum level. Our Urea Tank Systems have improved urea filtration capability to capture any foreign debris which may enter the urea holding chamber.



Tank assembly benefits include:

- Robust urea-quality sensing technology, designed with the required vibration durability to withstand rough terrain and steep gradients
- Leading high-efficiency filtration, improving system reliability and extending service intervals
- Temperature-sensing technology, providing freeze-prevention control
- Tank ventilation, allowing for appropriate tank expansion and compression, providing flexibility for operation across a wide range of altitudes and environments

### Flexibility And Ease Of Installation.

The Urea Tank System features a range of electrically heated line lengths, providing the utmost convenience when identifying installation needs for a variety of applications. Our lines and connectors have been designed with sufficient heating capacity to eliminate crystallization and clogging in frigid temperatures.

Our portfolio of lines includes:

- A range of pressure, suction and throttle line lengths from 0.5 to 6.0 meters, providing added ease of integration
- Line options offered in nylon and ethylene propylene diene monomer (EPDM) materials for both purging and nonpurging dosing systems
- Line connection angle options of 90- or 180-degree fittings, for added installation flexibility

### Urea Tank System Portfolio.

Cummins Emissions Solutions offers a variety of urea tanks. There are four options, each available in portrait or landscape orientation.

Tank Size Option	Product Offering
5 Gallon	UT5 Urea Tank System
10 Gallon	UT10 Urea Tank System
15 Gallon	UT15 Urea Tank System
30 Gallon	UT30 Urea Tank System

## Urea Tank System Specifications.

Technical Characteristics	Specifications
Applications	On- and off-highway
Tank Shapes	Portrait and landscape
Architectures	Purging and nonpurging dosing systems
Tank Capacities	5, 10, 15 and 30 gallons
	19, 38, 57 and 114 liters
Tank Material	Cross-linked high-density (XLPE)
Tank Header Connection Interfaces	
Return Fitting	5/16" SAE J2044
Suction Fitting	3/8" SAE J2044
Coolant Inlet/Outlet	5/8" hose barb
Tank Vent	3/8" hose barb
Connector	Deutsch electrical
Line Length Offerings and Interfaces	
Voltage	12V or 24V
Pressure Lines	0.5-6.0 meter (0.5 increments)
Suction Lines	0.5-2.0 meter (0.5 increments)
Throttle Lines	0.5-6.0 meter (0.5 increments)
Heated Quick Connection	1/4", 5/16" and 3/8" SAE J2044
Line Material Type	Nylon and EPDM
Coolant Flow Control Valve	
Voltage	12V or 24V
Connection Interface	3/8" hose barb
Ambient Temperature	-40° to 80°C
	-40° to 180°F

### Learn More.

For more information about urea tanks or any of our other innovative products, visit the Cummins Emission Solutions web site, [cumminsemissionsolutions.com](http://cumminsemissionsolutions.com).



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