



Portable Fuel Storage & Handling

Diesel Exhaust Fluid (DEF)

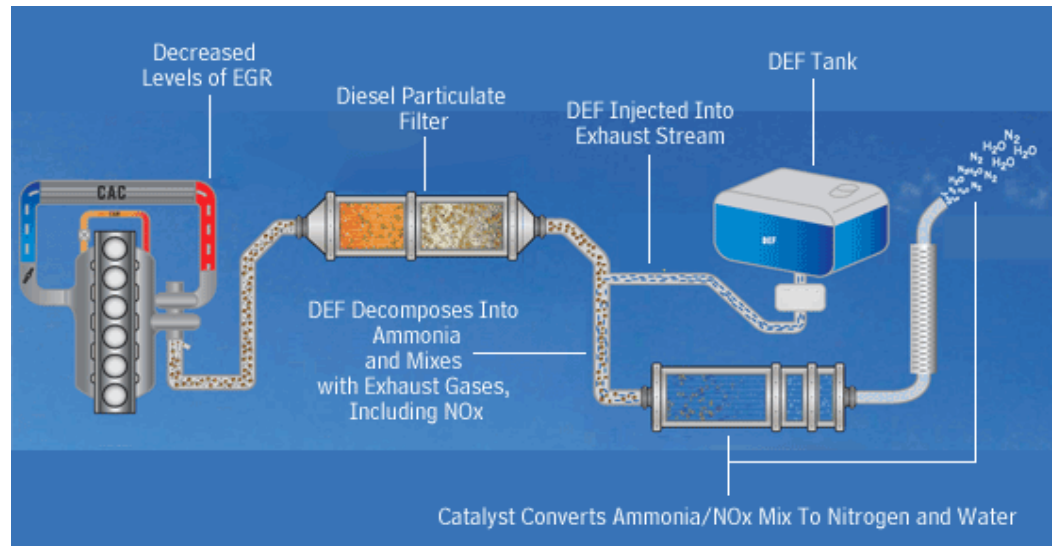
Service Equipment

Commonly Asked Questions:

- What is Diesel Exhaust Fluid-(DEF)?
 - DEF is the reactant necessary for the functionality of the SCR system. It's a carefully blended solution of 32.5% pure urea and 67.5% deionized water
- What is Urea?
 - It's a compound of nitrogen that turns to ammonia when heated. It's also used in fertilizer!

Commonly Asked Questions:

- What is Selective Catalytic Reduction (SCR)?
 - This technology uses DEF and the catalytic converter to significantly reduce nitrogen emissions (NO_x) from exhaust. Small amounts of DEF are injected into the exhaust which helps to convert NO_x to harmless nitrogen (N₂) and water (H₂O).



Commonly Asked Questions:

- What vehicles use DEF today?
 - 2010/11 Ford Super Duty Pick-ups
 - 2011 Dodge Ram 3500, 4500 and 5500 Pick-ups
 - GM to introduce models in Fall of 2010
 - Mercedes Benz “Bluetech” models
 - Most “over-the-road” vehicles produced after 1/1/2010
- How much DEF does a vehicle consume?
 - DEF consumption is expected to be approx. 1-3% of fuel consumption.

Commonly Asked Questions:

- How is the DEF tank refilled?
 - On most domestic pick-ups, the fill cap is located inside the vehicles Fuel Door. There is access to both the Fuel and DEF filler tubes.



Commonly Asked Questions:

- What happens if the vehicle runs out of DEF?
 - Vehicles using DEF will have dashboard indicators alerting the driver. If the vehicle runs out of DEF, vehicle power will be reduced to encourage the operator to refill the DEF tank.
- How much does DEF weigh?
 - 9 pounds per gallon

Commonly Asked Questions:

- What are the storage issues with DEF?
 - DEF freezes below 12°F
 - DEF should be stored below 86°F
 - Exposure to excessive heat for extended periods will reduce shelf life
 - +90°F storage reduces shelf life to 6 months

Commonly Asked Questions:

- Where is DEF sold?
 - Dealers are likely to get DEF from their bulk oil distributor. End users will soon be able to source DEF at local auto parts outlets and truck stops.
- How is DEF packaged?
 - DEF is sold in 4 different size containers:
 - 1-gallon jugs, 5-gallon jugs
 - 55-gallon drums
 - 275-gallon IBC Totes

Commonly Asked Questions:

- How do JohnDow Fuel Chief customers benefit from this technology?
 - JDI is a leader in Fluid Management Products
 - JDI has strong ties to the OE Vehicle Suppliers
 - JDI was the 1st approved DEF Equipment supplier to Ford and Chrysler
 - Fuel Chief offers two DEF Dispensing Systems

DEF-1A



DEF-TOTE-A





DEF-1A



- **DEF 55-Gallon Drum Dispensing System-Electric**
 - DEF Series Submersible Pump (120 Volts/60 Hz)
 - Deluxe “resettable” turbine flow meter w/mounting bracket
 - Deluxe stainless steel automatic delivery nozzle
 - Deluxe 4-wheeled service cart
 - 12’ flexible delivery hose
 - 2” bung adapter w/vent



DEF-TOTE-A



- **DEF 275-Gallon IBC TOTE Dispensing System-Electric**
 - DEF Series Submersible Pump (120 Volts/60 Hz)
 - Deluxe “resettable” turbine flow meter w/mounting bracket
 - Deluxe stainless steel automatic delivery nozzle
 - 12’ flexible delivery hose
 - 2” Deluxe bung adapter w/vent

For More Information:

Log onto: www.johndow.com

Call us at: 800-433-0708

Email us at:

customerservice@johndow.com

