

DEF Best Practices

The following checklist will help you maximize DEF storage and dispensing, take proper care of your equipment, and build maintenance schedules into your program. Please contact your AiRx representative for more information or assistance.

1. Mount the DEF pump on an adjacent wall or shelf to minimize handling of the equipment. The only handling should be with the coupler/insert connection and dispensing nozzle.
2. Keep totes out of heat and direct sunlight for storage and use.
3. Ensure dispenser nozzle is kept in holding “holster” to minimize drops and mishandling.
4. Keep dust caps in full totes in storage. Clean out dust/debris before using at coupler/insert connection.
5. Develop a periodic maintenance program to spray down areas where DEF has crystallized with a spray water bottle and rag.
6. Prevent the dispensing nozzle from becoming clogged with buildup. Remove from hose and soak entirely in warm water, then reattach and rinse.
7. Mind the power extension cords for cuts, nicks abrasions. Careful of setting full tote on your power or extension cords.
8. Set up a periodic maintenance schedule for testing/replacing batteries in flow meters.
9. Be cautious of running a pump dry and pulling air. A Benecor replacement seal is inexpensive and takes about 15-30 minutes to replace. A high leak rate is an indicator that the pump has sucked air.
10. Double check new pneumatic pumps for correct regulator pressure of house air.
11. Double check new electric pumps for correct setting of 110V vs. 220V.
12. Make sure to keep product above the extreme minimum of 12°F: preferably above 20°F and below 86°F.
13. Do not put any other materials in DEF totes, drums or jugs.
14. Only turn the hand crank pump one direction. Turning the handle in the opposite direction will suck air into the pump and cause crystallization.

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