

The CleanAIR E-POD

Features of the CleanAIR E-POD™ <i>SCR + DPF or DOC + silencing</i>	CleanAIR Systems
Enables Tier 4 Final compliance for Tier 2 and Tier 3 diesel engines, and most Tier 1 diesel engines.	√
Enables EPA NSPS compliance in lean-burn natural gas engines.	√
Reduces NOx up to 95%, PM reductions greater than 85%, HC & CO reductions up to 95%.	√
Custom product engineering & manufacturing allows the E-POD to be designed to fit available space, such as drop-in through top of trailer. Designed to customer inlet and outlet specifications.	√
Compact all-in-one packaging: one unit contains SCR, DPFs or DOCs, mixing unit and silencing, making it easier to move and install.	√
Integrated manufacturing, all components and systems manufactured by CleanAIR Systems, including catalysts.	√
Uses all non-toxic catalysts materials – no toxic vanadium used in any catalysts.	√
Operates under wide exhaust range from 270C to 560C (520F to 1040F).	√
Option of open-loop or closed-loop control system (proprietary software and electronics developed by CleanAIR Systems offers true closed-loop technology, not just a NOx sensor at the end of the exhaust stream).	√
Double-walled, fully insulated silencer construction offering critical or super-critical grade sound attenuation, also keeps surface temperature low.	√
Engine ECM independent.	√
Advanced catalyst technology for DOCs, DPFs and SCR.	√
Light-weight, rigid design.	√
All stainless steel body using corrosion-resistant 304L grade.	√
Upgradeable system allows customer to change out DOCs for DPFs.	√
Electronic control and pump system integrated into single control cabinet, with 2-breakaway lines; allows for easy installation and replacement; saves space.	√
Only US-owned catalyst and catalyst system manufacturer, all components manufactured in USA by CleanAIR Systems, offering single-source control of system design, manufacturing, assembly and operation.	√