

Phoenix[®]

Active Level 3+ Diesel Particulate Filter System (off-road)



The Phoenix is a robust diesel particulate (PM) reduction system designed for a very broad range of off-road diesel engines and applications. Features of the Phoenix include:

- CARB verification to Level 3+ (>85%) standards for PM
- Approved for 1996-2014 off-road engines
- No minimum temperature requirement
- Ideal for low and/or variable temperature duty cycles
- Integrated off-line diesel burner regeneration system
- Advanced system monitoring, diagnostics and data retrieval
- Installation and maintenance ease with modular design
- Eligible for local, state and federal funding programs

This active regeneration system uses diesel fuel, combined with an integrated diesel burner element, to “cook off” the captured diesel particulate when the equipment is not operating.

The Phoenix is managed by ESW CleanTech’s proprietary MLC[®] which monitors system parameters and controls the automatic regeneration process. The MLC also stores the monitored parameters in the memory for later retrieval and analysis.

ESW CleanTech uses only the highest quality materials, including all stainless steel construction and a robust silicon carbide diesel filter for enhanced durability. Additionally, numerous inlet/outlet end cone configurations are available for installation ease.

The modular design of the Phoenix facilitates service and de-ashing of the diesel particulate filter. The gasketless band clamp design enables quick turnaround for maximum uptime.

The Phoenix balances the mandate for cleaner air with the demanding requirements of real-world on-road diesel applications, and the desire to maximize the economic life cycle of your equipment, while avoiding costly replacement.



Phoenix[®] Quick Specs

Filter Type	Active diesel particulate filter with diesel burner regeneration
CARB Verification ¹ > Engine PM Limit	0.10 g/bhp-hr PM and lower
CARB Verification ¹ > Engine Model Years	1993-2012
CARB Verification ¹ > Engine Displacement	3.4 to 12 liters
CARB Verification ¹ > Engine Horsepower	100-450 HP
Exhaust Temperature Requirement	None
Application Profile	Off-road equipment with light or highly variable duty cycles
PM Reduction	Greater than 85% (Level 3+)
NOx Reduction	None
Fuel Compatibility	ULSD and Biodiesel up to B20
Ash Capacity	200 grams
Regeneration Type	Active (diesel burner)
Regeneration Time	75 minutes
Engine run time between regenerations	Consult Distributor
Approximate Size	42" (L) x 12" (W) Consult Distributor
Shipping Weight	130 lbs.

¹ Consult your distributor for specific application requirements.
NOTE: Product specifications are for reference only and may vary or change without notice.



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