

# Horizon<sup>®</sup>

## Active Level 3+ Diesel Particulate Filter System



The Horizon is specifically designed to provide diesel particulate (PM) reductions for in-use diesel engines in challenging on-road applications and duty cycles including cold exhaust and older engines. Features of the Horizon include:

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- CARB verified to Level 3+ (>85%) compliance for PM
- The practical alternative to vehicle replacement
- Proven retrofit solution for school buses
- Industry leading advanced system monitoring, diagnostics and data retrieval
- Durable state-of-the-art stainless steel technology
- Eligible for local, state and federal funding programs

This active regeneration system uses clean electricity, through an integrated heating element, to “cook off” the captured diesel particulate, much like a self cleaning oven, while the vehicle is parked overnight.

Horizon is managed by ESW CleanTech’s proprietary MLC<sup>®</sup> which monitors system parameters and controls the automatic electric 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 Horizon facilitates service and de-ashing of the diesel particulate filter. The reusable metal seal (i.e. no gaskets to replace!) and band clamp design enables quick turnaround for maximum uptime.

The Horizon 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.



### Horizon Quick Specs

Filter Type	Active diesel particulate filter with electric heater regeneration
CARB Verification <sup>1</sup> > Engine PM Limit	None
CARB Verification <sup>1</sup> > Engine Model Years	1960-2006
CARB Verification <sup>1</sup> > Engine Displacement	Up to 15 liters
CARB Exclusions	Consult Distributor
Typical Applications	Light Duty Cycle: school bus, municipal & utility truck, refuse truck
PM Reduction	Greater than 85% (Level 3+)
NOx Reduction	None
Fuel Compatibility	ULSD or Biodiesel up to B20
Exhaust Temperature Requirement	None
Ash Capacity	200 grams
Regeneration Type	Active (electric heater)
Regeneration Time	4 hours
Eligible for Local, State and Federal Funding Programs	Yes
Approximate Size	42" (L) x 12" (W) Consult Distributor
Shipping Weight	145 lbs.

<sup>1</sup> 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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