

Skyline™

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



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

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- CARB verified to Level 3+ (>85%) compliance for PM
- Proven retrofit solution for off-road equipment
- Serviceable DPF module is compatible with most commercially available cleaning machines
- Industry-leading advanced system monitoring, diagnostics and data retrieval
- 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 equipment is parked overnight.

Skyline is managed by ESW CleanTech’s proprietary MLC® 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 Skyline 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 Skyline balances the mandate for cleaner air with the demanding requirements of real-world off-road diesel applications, and the desire to maximize the economic life cycle of your equipment, while avoiding costly replacement.



Skyline Quick Specs

Filter Type	Active diesel particulate filter with electric heater regeneration
CARB Verification ¹ > Engine PM Limit	0.25 g/bhp-hr PM and lower
CARB Verification ¹ > Engine Model Years	1996-2014
CARB Verification ¹ > Engine Displacement/HP	3.4-12 liters / 100-400 HP
CARB Exclusions	Consult Distributor
Typical Applications	Light Duty Cycle: captive yard based equipment including fork lifts, cranes, yard goats and others
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.

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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