

Off-Road Products

CARB Verified to Level 3+
Diesel Particulate Filter Systems



ESW Group diesel particulate filter systems are specifically designed to provide diesel particulate (PM) reductions for in-use diesel engines in off-road applications, including challenging duty cycles with cold exhaust and older engines. Key features include:

- CARB verification to Level 3+ compliance for PM
- Eligible for local, state and federal funding programs
- The practical alternative to costly equipment replacement
- Unmatched pre- and post-sale support from local distributors
- Proven reliability with over 20,000 units in operation



ESW Group 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.

Quick Specs		ThermaCat	Skyline™	Phoenix®
Filter Type		Active DPF with diesel exothermic (flameless) regeneration	Active DPF with electric heater regeneration	Active DPF with diesel burner regeneration
CARB Verification ¹	Engine PM Limit	0.20 g/bhp-hr PM and lower engines	0.25 g/bhp-hr PM and lower engines	0.20 g/bhp-hr PM and lower engines
	Engine Model Years	1996-2012	1996-2014	1996-2014
	Engine Displacement / Horsepower (HP)	5-15 liters / 100-350 HP	3.4-12 liters / 100-400 HP	3.4-12 liters / 100-450 HP
Typical Applications		Off-road equipment with light-duty or highly variable duty cycles	Off-road yard based equipment including fork lifts, cranes, yard goats and others	Off-road equipment with light-duty or highly variable duty cycles
PM Reduction		Greater than 85% (Level 3+)	Greater than 85% (Level 3+)	Greater than 85% (Level 3+)
NOx Reduction		None	None	None
Fuel Compatibility		ULSD / Up to B20	ULSD / Up to B20	ULSD / Up to B20
Exhaust Temperature Requirement		210° C for at least 15% time	None	None
Regeneration Type		Active (flameless)	Active (electric heater)	Active (diesel burner)

¹ Check verification for specific application criteria, exclusions and requirements.

NOTE: Product specifications are for reference only and may vary or change without notice.



DESIGNED & MADE IN USA

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