

# ThermaCat-e

## Active Level 3+ Diesel Particulate Filter System



The ThermaCat-e is specifically designed to provide cost-effective diesel particulate (PM) reduction for in-use diesel engines operating in medium/light-duty on-road applications. ThermaCat-e incorporates a number of unique features including:

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- CARB verification to Level 3+
- Diesel exothermic (flameless) technology that takes place real-time
- Requires no driver interaction or downtime while regeneration occurs
- Various sizes and configurations allow for broad engine coverage from 4 to 13 liters / model years 1996 - 2009 / 150 - 400 HP
- Greater than 95% PM Reduction
- Greater than 90% HC and CO Reduction
- CHP compliant for use on school buses
- Serviceable DPF module is compatible with most commercially available cleaning machines
- Applicable to engines with EGR (exhaust gas recirculation)
- Eligible for CARB approved "swapping" allowance

ESW Group uses only the highest quality materials, including all stainless steel construction, and a robust silicon carbide diesel particulate filter. This advanced, mature silicon carbide diesel particulate filter provides lower exhaust backpressure than a traditional wall-flow filter.

For ease of installation, numerous inlet/outlet end cone configurations are available along with proprietary mounting kits allowing for safe, quick and easy installation.

The modular design of the ThermaCat-e facilitates service and de-ashing of the diesel particulate filter. The reusable graphite seal and band clamp design enables quick turnaround for maximum uptime.

The ThermaCat-e 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, with minimal downtime, while avoiding costly replacement.

### ThermaCat-e Quick Specs

Filter Type	Active diesel particulate filter with diesel exothermic (flameless) regeneration technology
CARB Verification <sup>1</sup> > Engine PM Limit	0.1g/bhp-hr PM
CARB Verification <sup>1</sup> > Engine Model Years	1996-2009
CARB Verification <sup>1</sup> > Engine Displacement	4-13 liters
CARB Verification <sup>1</sup> > Engine Horsepower	150-400 HP
CARB Exclusions	Consult Distributor
Typical Applications	On-road vehicles including linehaul trucks, refuse trucks, buses and others
PM Reduction	Greater than 95% (Level 3+)
NOx Reduction	None
Fuel Compatibility	ULSD or Biodiesel up to B20
Exhaust Temperature Requirement	210° C for at least 10% of time
Regeneration Type	Active (flameless)
Eligible for Local, State and Federal Funding Programs	Yes
Approximate Size	Consult Distributor
Shipping Weight	Consult Distributor

<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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