

# ThermaCat

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



The ThermaCat is specifically designed to provide cost-effective diesel particulate (PM) reduction for in-use diesel engines operating in medium/light-duty off-road applications. ThermaCat incorporates

a number of unique features including:

- CARB verification to Level 3+ (>85%) for PM
- Active DPF with diesel exothermic (flameless) regeneration
- Requires no operator interaction or downtime while regeneration occurs
- Various sizes and configurations allow for broad engine coverage from 5-15 liters / model years 1996-2012 / 100-350 HP
- Eligible for CARB approved "swapping" allowance
- 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

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 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 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 Quick Specs

Filter Type	Active DPF with diesel exothermic (flameless) regeneration
CARB Verification <sup>1</sup> > Engine PM Limit	0.20 g/bhp-hr PM and lower
CARB Verification <sup>1</sup> > Engine Model Years	1996-2009
CARB Verification <sup>1</sup> > Engine Displacement	5-15 liters
CARB Verification <sup>1</sup> > Engine Horsepower	100-350 HP
CARB Exclusions	Consult Distributor
Typical Applications	Off-road equipment with light-duty or highly variable duty cycles
PM Reduction	Greater than 85% (Level 3+)
NOx Reduction	None
Fuel Compatibility	ULSD or Biodiesel up to B20
Exhaust Temperature Requirement	210° C for at least 15% 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.



DESIGNED & MADE IN USA

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