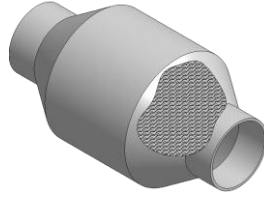


Clean Emissions Vs. The Competition

“DPF Product Comparison”



Clean Emissions

Competition

	Clean Emissions	Competition
Catalyst Performance	<p>CO Reduction = Up to 99%</p> <p>HC Reduction = Up to 90 %</p> <p>DPM Reduction = Up to 90%</p> <p>NOx Reduction = Up to 30%</p> <p>Acrolein Reduction = Up to 90%</p>	<p>CO Reduction = Up to 40% (maximum)</p> <p>HC Reduction = Up to 30% (maximum)</p> <p>DPM Reduction = Up to 90% (maximum)</p> <p>NOx = unknown</p> <p>Acrolein = unknown</p>
Catalyst Substrate Composition	<p>Stainless Steel Mesh- Grade 304 (highest resistance to vibration and corrosion)</p> <p>Catalyst Coating Coverage – 100% Total</p>	<p>Ceramic (very susceptible to breakage)</p> <p>Catalyst Coating Coverage – 60% Total (Dip Method)</p>
Housing	<p>Polished Stainless Steel -Grade 304 (16 gauge thickness)</p>	<p>Mild Steel (mill finish)</p>
Availability	<p>Immediately, all catalytic DPFs kept in stock ready to ship same day order is confirmed.</p>	<p>Minimum 4-6 week waiting period for DPFs.</p>
Backpressure	<p>Virtually no backpressure (< 3” wc) is added to the engine, as the filter core is 99% open.</p>	<p>Ceramic filter is only 60-70% open and is very susceptible to clogging and contributes to increased backpressure (> 15” wc).</p>
Certification	<p>Every Clean Emissions catalyst comes with its own “Performance Certificate”. This product currently going through EPA Verified Technology testing.</p>	<p>Unknown</p>
Lifespan	<p>Approximately 3 to 5 years (8,000 to 12,000 hours) No maintenance of catalyst required. Filter maintains itself on site by active regeneration of trapped particulate molecules.</p>	<p>3 months to 1 year maximum (filter must continually be removed and shipped out to be maintained and cleaned in order to avoid damage to engine).</p>
Warranty	<p>1 year or 2000 operational hours</p>	<p>30 days</p>