Your diesel engine emission control just got easier!

Diesel engines are an excellent power source, with the exception of their emissions. Diesel Oxidation Catalysts (DOC) are catalytic converters designed specifically for diesel powered engines and equipment. DOCs reduce emission levels of Carbon Monoxide (CO) by up to 97%, Hydrocarbons (HC) by up to 87% and Particulate Matter (PM) by up to 23% from diesel exhaust. DOCs are simple, inexpensive, maintenance-free and suitable for all types of applications of diesel engines.

Nett Technologies manufacture two types of DOCs:

M-SERIES DIESEL OXIDATION CATALYSTS

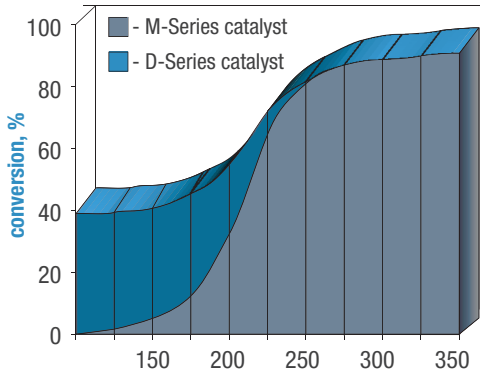
The M-Series DOCs oxidize carbon monoxide, hydrocarbons, and aldehydes contained in diesel exhaust to non-toxic compounds: carbon dioxide and water vapor. The emission performance depends on the engine conditions, exhaust temperature and raw exhaust composition. M-Series catalysts require a minimum temperature of approximately 180°C (360°F) for conversion to start. Best catalyst performance occurs at temperatures above 250-300°C (480-570°F).

D-SERIES DIESEL OXIDATION CATALYSTS

D-Series catalysts are designed to extend the performance of a DOC into the low temperature range. Zeolites, also known as molecular sieves, are incorporated into D-Series catalyst washcoats. These zeolites trap and store diesel exhaust hydrocarbons during periods of low exhaust temperature, such as during extended engine idling. During subsequent use the exhaust temperature increases, the hydrocarbons are released from the washcoat and oxidized on the catalyst. D-Series DOCs are recommended for the reduction of HC in all temperature ranges and PM and CO starting at 180°C (380°F). The characteristic diesel odor is practically eliminated.

With its high performance and low cost, Nett Technologies' DOCs are an ideal solution to your emission reduction needs.

Hydrocarbons Conversion M-Series vs. D-Series



Carbon Monoxide Reduction -97%

Hydrocarbons Reduction -87%

Diesel Particulate Matter Reduction -23%

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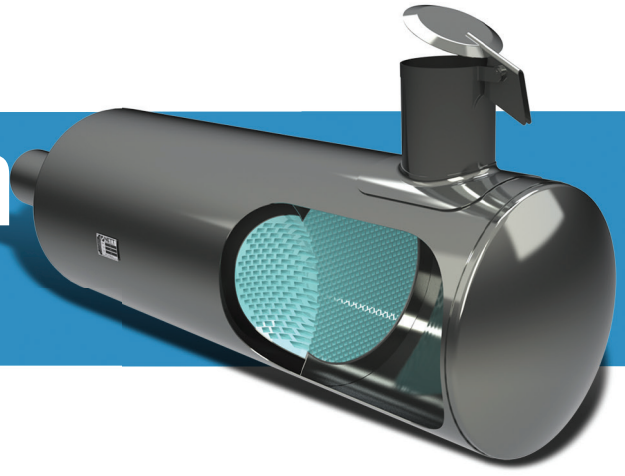
Diesel Oxidation Catalysts



scan and learn

Sold and supported globally, Nett Technologies Inc., develops and manufactures proprietary catalytic solutions that use the latest in diesel oxidation catalyst (DOC), diesel particulate filter (DPF), selective catalytic reduction (SCR), engine electronics, stationary engine silencer, exhaust system and exhaust gas dilution technologies. Our reliable and real-world emission solutions will extend the usable life of existing equipment while allowing you to avoid costly future replacements. We manufacture emission control solutions that are California Air Resources Board (ARB) and the U.S. Environmental Protection Agency (EPA) verified. As the emission control authority, we are here to help you navigate through the hassles and complexities of emission control compliance.

NETT® TECHNOLOGIES INC.

...the emission control authority.

www.nettinc.com

Nett Technologies DOC's are offered in direct-fit OEM muffler replacement or universal-fit designs.

DIRECT-FIT DESIGNS

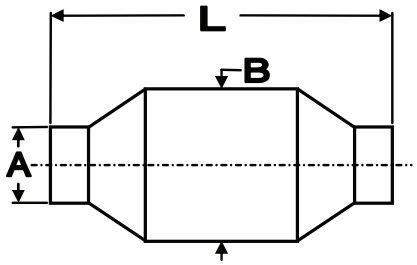
Nett Technologies' catalytic mufflers are the direct-fit replacement for the original (OEM) mufflers.

The emission control catalyst is built into the muffler and is selected based on the size of the engine.

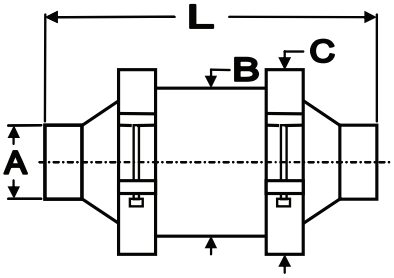
Please contact one of our customer service representatives for more information.

UNIVERSAL-FIT DESIGN

Nett Technologies offers two universal-fit configurations for the DOCs, as shown in images below. The welded (one-piece) design is more compact and recommended for space-limited applications. The clamped design allows for easy removal of the center-body (catalyst) for inspection and cleaning, if required.



WELDED DESIGN



CLAMPED DESIGN

SIZING CHART FOR M-SERIES DOC

Application Data												
Nett™ Size	MD15	MD25	MD35	MD55	MD65	MD85	MD125	MD155	MD215	MD295	MD385	MD665
Max. Engine Disp. L (in^3)*	1.1 (67)	1.6 (98)	2.5 (152)	4.0 (244)	5.2 (318)	6.4 (390)	9.4 (574)	12.4 (757)	17.1 (1043)	25.6 (1562)	35.0 (2136)	60.0 (3661)
Max. Exhst. Flow m^3/hr (CFM)	210 (124)	320 (188)	460 (270)	680 (400)	870 (510)	1100 (650)	1540 (905)	2040 (1200)	2800 (1645)	3860 (2270)	5050 (2970)	8650 (5000)
Max. HP	21	32	46	68	87	110	154	204	280	386	505	865

Catalyst Dimensions mm (in)												
B - Diameter Catalyst Core	66 (2.6)	79 (3.1)	91 (3.6)	112 (4.4)	130 (5.1)	142 (5.6)	168 (6.6)	193 (7.6)	226 (8.9)	264 (10.4)	302 (11.9)	398 (15.7)
C - Diameter Clamped Unit			119 (4.7)	142 (5.6)		168 (6.6)	196 (7.7)	218 (8.6)	218 (8.6)	218 (8.6)	218 (8.6)	218 (8.6)
L - Length Welded Unit	175 (6.9)	198 (7.8)	213 (8.4)	236 (9.3)	250 (9.8)	260 (10.2)	274 (10.8)	312 (12.3)	447 (17.6)	447 (17.6)	495 (19.5)	635 (25.0)
L - Length Clamped Unit			221 (8.7)	244 (9.6)		267 (10.5)	282 (11.1)	320 (12.6)	454 (17.9)	454 (17.9)	504 (19.8)	642 (25.3)
A - Pipe Diameter	As per customer specifications											

SIZING CHART FOR D-SERIES DOC**

Application Data								
Nett™ Size	DL42	DL62	DL102	DL152	DL222	DL312	DL422	DL522
Max. Engine Disp. L (in^3)*	1.3 (80)	2.0 (122)	3.6 (220)	5.4 (330)	8.7 (531)	11.1 (677)	17.0 (1037)	21.4 (1306)
Max. Exhst. Flow m^3/hr (CFM)	255 (150)	380 (224)	620 (365)	910 (535)	1430 (841)	1820 (1071)	2750 (1618)	3380 (1990)
Max. HP	25	38	62	91	143	182	275	338

Catalyst Dimensions mm (in)								
B - Diameter Catalyst Core	86 (3.4)	102 (4.0)	127 (5.0)	152 (6.0)	203 (8.0)	203 (8.0)	254 (10.0)	282 (11.1)
C - Diameter Clamped Unit	-	142 (5.6)	168 (6.6)	185 (7.25)	220 (8.7)	220 (8.7)	220 (8.7)	220 (8.7)
L - Length Welded Unit	267 (10.5)	280 (11.0)	325 (12.8)	325 (12.8)	356 (14.0)	406 (16.0)	498 (19.6)	518 (20.4)
L - Length Clamped Unit	-	290 (11.4)	335 (13.2)	335 (13.2)	382 (15.0)	432 (17.0)	513 (20.2)	533 (21.0)
A - Pipe Diameter	As per customer specifications							

* Engine displacements are for reference only – data is based upon naturally aspirated engines. ** For larger sizes please contact Nett Technologies

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For more information call Nett Technologies at:
Phone: (905) 672-5453 **Toll-Free:** 1(800) 361-6388
or visit us online at **www.nettinc.com**