

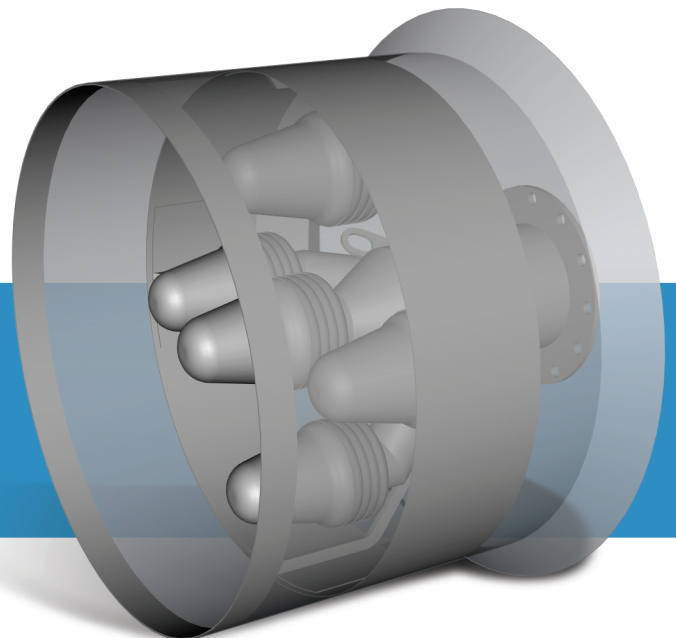
Diluting your hazardous exhaust gas just got easier!

The MG-Series diluters from Nett Technologies are designed to greatly dilute hazardous engine exhaust gases that are emitted from off-road and stationary equipment within the range of 135 to 2400hp. By mixing ambient air with engine exhaust gas in an approximate 5:1 to 10:1 ratio, the MG-Series diluters are able to deliver a safer and less hazardous environment. The MG-Series diluters are a perfect solution to diluting visible exhaust and particulate matter from diesel engines.

Ideal for equipment within construction, utility and power generation industries, the MG-Series diluters reduce concentrations of hazardous exhaust gases by projecting and spreading them over a wider area. When exhaust emission reductions are also required, the MG-Series diluters can easily be integrated with an emission control system.

Manufactured from mild, galvanized or stainless steel, these ruggedly built diluters have no mechanical or moving parts and can easily be engineered to accommodate your every dilution requirements. Outside the occasional use of a steel brush, maintenance is minimal. With its quiet operation and low cost, the Nett Technologies' MG-Series diluters are an ideal solution to all your equipment exhaust gas dilution needs.

MG-SERIES exhaust gas diluters



scan and learn

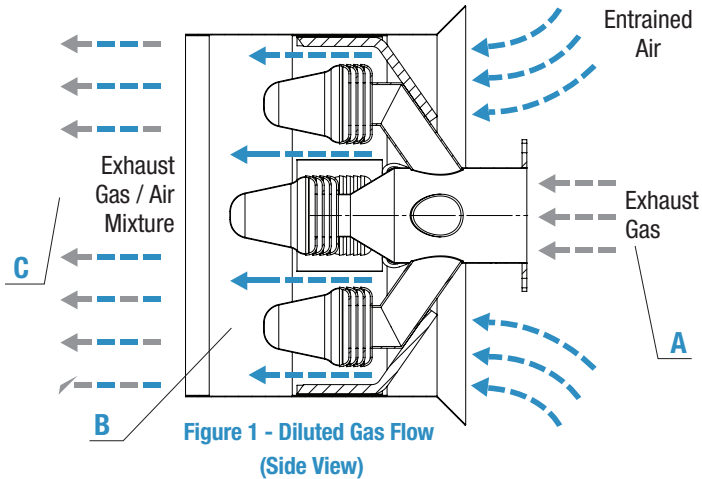


Sold and supported globally, Nett Technologies Inc., develops and manufactures proprietary catalytic solutions that use the latest in diesel oxidation catalyst (DOC), diesel particulate filter (DPF), selective catalytic reduction (SCR), engine electronics, stationary engine silencer, exhaust system and 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.

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MG-SERIES PRODUCT OVERVIEW



Engine exhaust gases enter the circular manifold of the exhaust gas diluter, as shown in Figure 1. The gases are released from the manifold into the diffuser tube through an annular gap. The exhaust gases flow alongside the curved inside surface of the device, inducing quantities of ambient air into the diluter.

Figure 2 shows the emissions sampled at three points, A, B, and C from the diluter. As shown in Figure 1, these points represent the undiluted exhaust (A), the exhaust inside the diluter unit (B), and the exhaust at 1m distance after the diluter (C).

The emissions are expressed in ppm. The same concentration reductions apply to all emissions, including diesel particulate matter (PM), carbon monoxide (CO), hydrocarbons (HC), and nitrogen oxides (NO_x).

The emission dilutions depend on the diluter gap settings. For different applications, these settings can be adjusted to always achieve the highest dilution performance. The corresponding exhaust gas pressure drop across the diluter is typically 5-7 kPa (20-28 in. H₂O). The gap settings can be adjusted to change the dilutions and pressure losses by applying variable thickness shims underneath the diluter header.

Emissions Performances

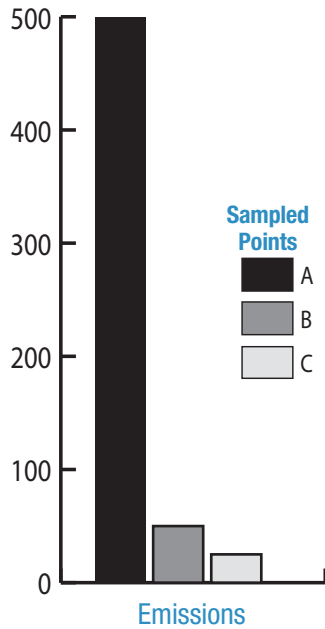


Figure 2

MG-SERIES PRODUCT FEATURES

- The MG-Series diluters will greatly dilute hazardous engine exhaust gases ensuring the operators and surrounding environment are safer and healthier.
- For operators of vehicles within tunnels, containers and warehouses, the MG-Series diluters can be designed such that exhaust flow is projected away from operators. For stationary applications where HVAC systems are exposed to air intake from near-by generator exhaust, flow can also be projected away from the stationary equipment.
- Quiet operation. There are no mechanical or moving parts.
- The MG-Series diluters are ruggedly built to withstand rough operating conditions for extended periods.
- The MG-Series diluters have a low initial cost with minimal maintenance requirements, resulting in a very low total life cycle cost.



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Contact Nett Technologies Inc. today at:

Phone: (905) 672-5453 Toll-Free: 1(800) 361-6388

or visit us online at www.nettinc.com

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