



REPORT

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Order No.102725579

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SILENCER INSERTION LOSS WITH AND WITHOUT AIRFLOW AND AIRFLOW GENERATED SOUND TESTS ON A 610 mm BY 610 mm BY 1200 mm LONG SILENCER

RENDERED TO

FIRMAC INDUSTRIES LLC
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INTRODUCTION

This report gives the Insertion Loss in dB and generated sound power level (L_w) dB re 10^{-12} watt in relation to a given airflow in fpm on a 610 mm by 610 mm silencer. The silencer was selected and supplied by the client and was received at the laboratories on October 3, 2016. The silencer appeared to be in new, unused condition upon arrival.

AUTHORIZATION – Signed Intertek Quotation No. Qu-00716287

TEST METHOD

The laboratory method used in conducting these tests is in accordance with ASTM Standard E477-2013, entitled "Standard Method of Testing Duct Liner Materials and Prefabricated Silencers for Acoustical and Airflow Performance".

Sound pressure level data was obtained using a Bruel and Kjaer Pulse Analyzer. The reference sound source used to obtain the generated sound power level was a calibrated Bruel & Kjaer Type 4204, which conforms to the above standard.

Note: *The results contained herein are for technical evaluation only and are applicable only to the specific specimens referenced herein.*

The tests herein reported have not been performed at the request of AMCA International and is not part of the AMCA International Certification Program