

SILENCER APPLICATION SOLUTIONS

See Project Solution Sheet (PS#)
 Primary Ref.: 12-1
 Secondary Ref.: 2-3,15-1,16-2,18-2

PROBLEM:
Unreliable Ratings

◆ Many silencer manufacturers do not test their products, or test very few products in non-qualified laboratories using out-dated test codes.



NVLAP Accreditation Certificate for Vibro-Acoustics' Aero-Acoustic Laboratory.

SOLUTION:
Vibro-Acoustics' Silencer Ratings

◆ Vibro-Acoustics was the first aero-acoustic laboratory to be accredited by NIST (National Institute of Standards and Technology) through NVLAP (National Voluntary Laboratory Accreditation Program) for ASTM E477 testing of silencers. There currently are only two labs in the world that are accredited for the ASTM E-477 test standard. Accreditation ensures quality control measures and consistent, reliable test data.

◆ Vibro-Acoustics' laboratory includes a 20,000 cu.ft. reverberation chamber (the largest in our industry and double the industry norm) to provide the ability to test at the critical very low frequencies. Duct cross sections as large as 60"x60" along with unequaled elbow silencer testing capabilities make our laboratory both flexible and reliable.



Vibro-Acoustics' 20,000 cu.ft. reverberation chamber, double the industry norm, is designed for more accurate low frequency measurement.