

Product Summary

- Complete SR-30™ Gas Turbine Sound Suppressor System
- Typically Provides 84% Intake and 75% Exhaust Sound Reduction
- Stainless Steel Exhaust Suppressor Housing With Flame Plume Sight Window
- Quick Installation Requires No MiniLab™ System Modifications
- 9" Exhaust Pipe for Gas Turbine Engine Ducted Installation

Operating Performance

Decibel (dB) Levels Without and With Suppressor
System Installed in MiniLab:

Engine Speed 50,000 RPM

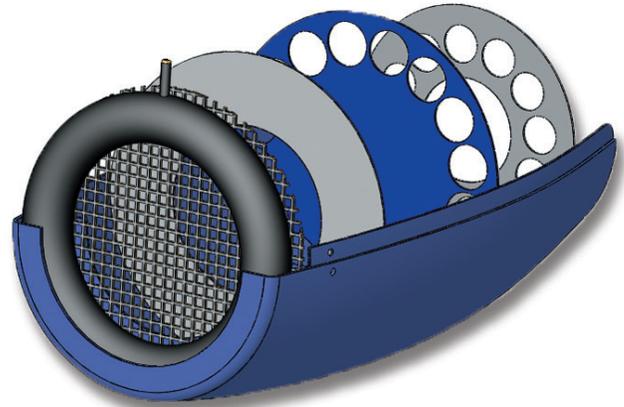
Engine Speed 84,000 RPM

Position	Engine Speed 50,000 RPM			Engine Speed 84,000 RPM		
	3 feet	10 feet	25 feet	3 feet	10 feet	25 feet
Controller Side	97/90	94/88	91/79	107/98	102/94	99/90
Intake Side	120/103	112/91	103/86	124/113	121/106	108/96
Exhaust Side	113/93	100/88	92/80	116/104	107/100	103/92

Description

The HushKit™ Gas Turbine Sound Suppressor System is an optional silencer assembly available for installation in the MiniLab™ Gas Turbine Power System. Designed to reduce the sound level of the SR-30™ Gas Turbine Engine, the HushKit™ is effective in both the academic and research setting and capable of retrofit to existing installations.

The HushKit™ system is composed of individual intake and exhaust suppressor units. The aircraft style nacelle shaped intake suppressor housing is designed to reduce acoustic energy associated with compressor intake flow. Molded from aerospace quality fiberglass, the intake suppressor mounts to the SR-30™ engine with a pneumatic friction seal system. The exhaust suppressor assembly is manufactured from stainless steel to maximize heat dissipation and durability. A positive pressure clamping system requires no modification of the existing MiniLab™ for installation. The suppressor exhaust ducting incorporates a glass sight window for flame plume visibility during starting operation. An acoustic expansion chamber on the end of the duct provides a convenient transition to facility specific exhaust ducting and integrates well with already existing installations. Neither the intake or exhaust suppressor assemblies interfere with



Hush Kit Internal Design

Purchase Specifications

- A complete sound suppression system designed to reduce both engine core and jet noise.
- Inlet suppressor manufactured from molded fiberglass.
- Exhaust suppressor manufactured from stainless steel.
- Exhaust suppressor duct to be equipped with flame plume viewing window.
- Inlet and exhaust assemblies to be readily removable to allow access to engine.
- Inlet and exhaust assemblies to be mounted in such a way as to not interfere with any operation of the engine.
- To require no modifications of existing MiniLab™ unit.
- Provided with a comprehensive installation and usage instructions.



HushKit™ has a free two year warranty on the entire system

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All HushKit™ specifications are subject to change