

The R0/R0 Hygienic Acoustic Baffle System

A special system of cleanable, ceiling-mounted, retractable acoustic baffles, ideal for controlling noise and reducing reverberation in food production/processing and pharmaceutical facilities and other hygiene-sensitive areas



- Proven and Effective Sound Absorption
- Suitable for Wet and Dry Cleaning
- Bacteria-Resistant Finish
- Robust, Stainless Steel Construction
- Rapidly Installed and Fully Demountable

Ideal for:

- Self-standing design which saves installation time
- Wind and seismic withstand calculation
- Complete supply includes the stack above the silencer
- Optional duct works between engine and stack

The IAC Ro/Ro Acoustic Baffle System has been specially designed to combat noise and reverberation problems inside buildings while being simple and quick to clean and maintain. Already highly popular in northern Europe, the system consists of demountable, sound absorbing, stainless steel framed panels (baffles), suspended from ceiling-mounted rails. The panels are arranged in rows with interconnecting wires which allow them to be installed/collected at one end for fast routine inspection and maintenance. All panels can be easily and swiftly removed (unclipped) from the mounting system for thorough cleaning elsewhere.

The standard size of the panels is 1200mm x 600mm x 80mm thick and two different non-porous finishes are available, each being suited to a particular cleaning method.

Please see overleaf for full product description and specification.



Gas Turbine Silencers

Typical Applications

- Simple or Combined Cycle Power Plants
- Coal Fired Power Plants
- Industrial or Petrochemical Boilers
- FGD systems
- Cogeneration Plants

Gas Turbine By-Pass Silencers

Gas turbine silencers from IAC Acoustics can be manufactured as parallel splitter panels or configured as cylindrical cartridges. With the ability to cope with temperatures up to 650°C, our silencers can either be placed in-stack or in a separate casing to suit the required pressure drop of individual projects. Manufactured using a rugged all-steel construction, we can use specialist materials for high temperatures and other project specific requirements.

Cold Stack Silencers

Cold stack silencers can be located in stack, boiler outlet ducts or flue gas ducts downstream of an exhaust fan.

Configurations include:

- Up to 250°C operating temperature
- Parallel splitter silencers
- Can be made for both rectangular and cylindrical stacks



Engine Exhaust Stack Silencers

- Self-standing design which saves installation time
- Wind and seismic withstand calculation
- Complete supply includes the stack above the silencer
- Optional duct works between engine and stack



Reactive Silencers

- Tuned reactive design prevents clogging in dusty environments
- Very good attenuation for low frequencies
- Model testing in our laboratories for guaranteed acoustic and aero performance
- Very low pressure drop
- Maintenance free

FD and ID Fan Silencers

- Minimum pressure drop
- Strong construction
- Construction material as per customer requirements
- Supply of splitter panels or complete silencer with casing



UK-P3-SIL-0150-201409-01