The Isolator

Kinetics Middle East – Newsletter Issue 13

New Product Application!

Swimming Pool Noise & Vibration Isolation

One of our allied partners, Ms. Kraiburg Purasys, Germany has developed the VIBRAFOAM and VIBRADYN range specifically to control the Swimming Pool Noise & Vibration problems.

A proposal was provided for pools of the New Royal Atlantis Resort, Dubai to avoid unwanted vibrations and having a natural frequency <=6.5 HZ.

Employee Spotlight

Remesh Babu - Lead, Design Department

The employee of the month of June 2019 is Remesh Babu. Remesh is a 12-year employee with us and leads the Design and draughting department.
He ensures all the design and selections are done as per Kinetics' standards. Remesh has an accountable attitude shown at the given tasks, sincere team member and also have leadership skills. During his free time, he enjoys walking in the park and loves Indian Politics.

Current Events

CPD – WS Atkins, Dubai

A CPD seminar session was organized for Ms. WS Atkins Consultants on April 15th, 2019. The session was attended by the MEP team of Ms. WS Atkins consultants. The topics covered for the CPD were:

- Seismic restraints for Non-Structural Components & Regulations.

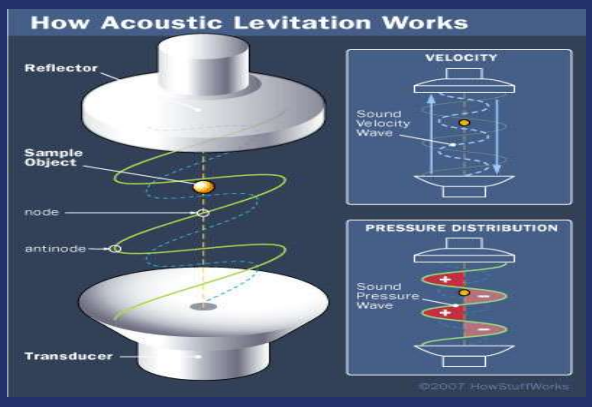
For any CPD or Lunch & learn sessions required for your team, please get in touch with our Marketing Team.

Technical Discussion: Acoustic Levitation

Acoustic levitation (also: Acoustophoresis) is a method for suspending matter in a medium by using acoustic radiation pressure from intense sound waves in the medium. Sound waves at ultrasonic frequencies can be used to levitate objects, thus creating no sound heard by the human ear. There are various ways of emitting the sound wave, from creating a wave underneath the object and reflecting it back to its source, to using a (transparent) tank to create a large acoustic field.

Acoustic levitation is usually used for container less processing which has become more important of late due to the small size and resistance of microchips and other such things in industry. Container less processing may also be used for applications requiring very-high-purity materials or chemical reactions too rigorous to happen in a container. This method is harder to control than other methods of container less processing such as electromagnetic levitation but has the advantage of being able to levitate nonconducting materials.

Read More:
https://en.wikipedia.org/wiki/Acoustic_levitation



PROJECT HIGHLIGHTS – HARBOUR VIEWS, DUBAI CREEK HARBOUR

The project involves construction of two towers development comprising 2 basement levels, a ground floor, 3 parking levels, 47 additional floors and 3 roofs with total built up area of 1,78,512 square meters, offering 762 residential units with 1, 2- and 3-bedroom apartments, in addition to 14 two-storey villas with a dedicated entrance, stairway and parking. The amenities in the project will include event spaces and galleries; a yacht club; hospitality, retail and leisure components; and a marina and harbour. Kinetics Scope of Supply & Services offered -

- Acoustic Study & Design for Plant rooms & Generator room
- Supply & Installation of Acoustic wall Panels
- Supply of Floating Floors
- Pipe Stress analysis & Support design
- Supply of Vibration Isolators

EVENTS & EXHIBITIONS

Our principals, Kinetics Noise Control actively participated in the Partners in Prevention Health & Safety Conference & Trade Show at The International Centre in Mississauga, USA. The event was held on April 30 and May 1, 2019.

Left: Kinetics Noise Control at booth #805 for the Partners in Prevention Health & Safety Conference 2019.

PRODUCT HIGHLIGHT OF THE MONTH

KINETICS MODEL APMP ACOUSTIC PANELS

Acoustic Metal perforated panels are ideal for controlling reverberant noise problems in plant rooms, gymnasiums, natatoriums, and recreation centers.

Kinetics model APMP acoustic panels are highly durable, abuse resistant panels are easy to install on standard Z-clips & Z-runners. APMP panels are constructed from galvanized steel perforated sheets. The sheet is folded along all four edges. Infill core comprises of rockwool or fiberglass faced on both sides with Black Glass Tissue membrane in order to prevent fiber migration.

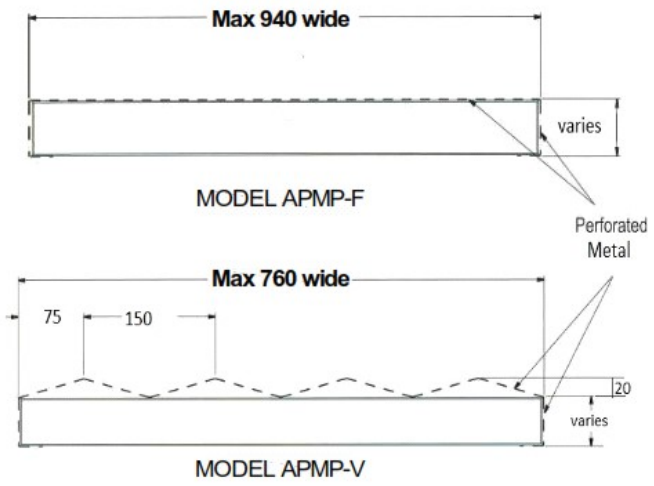
Material composition: Perforated metal face is can be G.I or powder coated in a variety of specified RAL colors, Fiberglass with BGT facing.

Acoustic Performance: NRC 0.90

Fire Test: Class A as per ASTM E-84

Density of Insulation: 48 kg/m^3

Mounting: Z-clips and Z runners, standard



To contribute on the Newsletter's Technical Discussion section or unsubscribe from the Newsletter, email the editor at nithin@kineticsmiddleeast.ae