

High Efficiency ECO Series Generators

For Cleaning System

ULTRASONIC ECO Generators

The success of a large cleaning system depends mainly on Ultrasonic Generators and Transducers. We offer efficient ECO-Generators which due to their compact design, require less space and are usable in a raw environment. This is allowed by indirect cooling in which the cooling air does not get in contact with the electronic components.

The inputs and outputs are specially constructed for the machine builders and offer all possibilities of external controls. Due to the process control, it is possible to achieve special generator settings with an interface adapter and a terminal.

The generator's all-purpose housing allows the application as a table top version in 19" switchboards or DIN-rails. The ECO's power spectrum includes 750 W to 1500 W for tube resonators and immersing transducers.

TECHNICAL DATA

Frequency	20,25,30,40 kHz + 1kHz (automatic control)
Power per Module	750 / 1000 / 1500 Watts
Dimension table top version (B x L x T)	105 x 155 x 390 mm
Optional	Mounting brackets (wall and control cabinet mounting kit) Service connector RS-232 (monitoring control interface)

GENERATORS



ECO Generator

FEATURES

- ★ Suitable for large output power requirement.
- ★ Designed for tube resonator, immersing transducers and transducer plate fitted to tank.
- ★ Optional communication via RS-232 interface.
- ★ Three freely programmable relay outputs.
- ★ Five DC-isolated 24V inputs, for external power setting, for instance.
- ★ Over -temperature and over-current turn off.
- ★ Protected against short-circuit and no-load operation.
- ★ Coefficient of efficiency >90%.
- ★ Fully automatic control and monitoring .
- ★ Table Top housing, 19" Rack mounted version, DIN-rail-mounting or wall fastening.

TUBE RESONATORS



TUBE RESONATOR

This novel design of transducer in tabular form ensures ultrasonics in all 360° and ease in retrofitting in existing system. This is available in various frequencies and different mounting lengths.

- ★ Very intensive and homogeneous sound field due to 360° radiation
- ★ Low weight and volume allows mounting in confined spaces
- ★ Possible to mount in pressure and vacuum tanks
- ★ No dirt deposit onto the radiation surface
- ★ Ideal for retrofitting in existing tanks
- ★ Multiple application, thanks to different mounting lengths
- ★ Low power consumption due to high coefficient of efficiency (>92%)
- ★ Suitable for large output powers

Customized specific dimension.

- ★ Homogeneous sound field through optimal array of the transducer elements.
- ★ Various installation options: side hanging, floor mounting, cable conduit, wall bushing.
- ★ Suitable for all tube materials.
- ★ Frequencies: 20, 30, 40 kHz.
- ★ High temperature resistance.

NOTE: Technical specifications are subject to change without prior notice, due to continuous upgradation.

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