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ZEVS TECHNOLOGIES

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ZEVSONIC ultrasonic anti-sediment device

ZEVSONIC is a line of modified ultrasonic anti-sediment devices. These devices are used to prevent formation of deposits in boilers, heat exchangers, water supply and heating pipes. Magnetostrictors installed on the equipment to be protected excite ultrasonic frequency vibrations in metal. This completely inhibits the formation of any fouling, moreover, existing deposits become flocculent within 1-6 months of the introduction of ZEVS[®] and can be easily removed either by ZEVS[®] units or mechanically or by pneumatic flushing. As time goes on, sediments are often completely spontaneously removed. "ZEVSONIC", an explosion-proof version, is designed for the gas and oil-refining and petrochemical industries.

Configuration: The device consists of an electrical pulse generator and magnetostrictors, which are designed as non-linear acoustic resonance emitters with a center frequency 22 KHz. Different types of generators and different numbers of magnetostrictors are



ZEVSONIC-2

used depending on the type and dimensions of the heating equipment.

Application:

- heat exchangers (including plate-type heat exchangers)
- water-heating and steam boilers (including fire-tube boilers)
- water supply and heating systems

Item	Name	Content, description
ZS-2	ZEVSONIC-2	Dual-channel device protects up to 200 m2 of heat exchanging surface.
ZS-1	ZEVSONIC-1	Single-channel device designed for application at individual heat points or small heating equipment.
ZS-V-2	ZEVSONIC-2	Dual-channel device for explosive atmospheres (oil-refining and petrochemical industries)

Special features:

- Works on any surfaces (plate-type heat exchangers, water-heating boilers, fire- and water-tube boilers, standpipes)

- Automatic operation;
- Explosion and fire safe;
- Complete cessation of sediments formation
- removes present sediments;
- improves of heat exchange due to vibration;

Attention! We offer free of charge installation of ZEVSONIC anti-sediment devices for trial operation (up to three months). You can decide whether to pay for device or return it after the trial operation period (3 months) !



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