

KST SUBMERSIBLE TRANSDUCERS



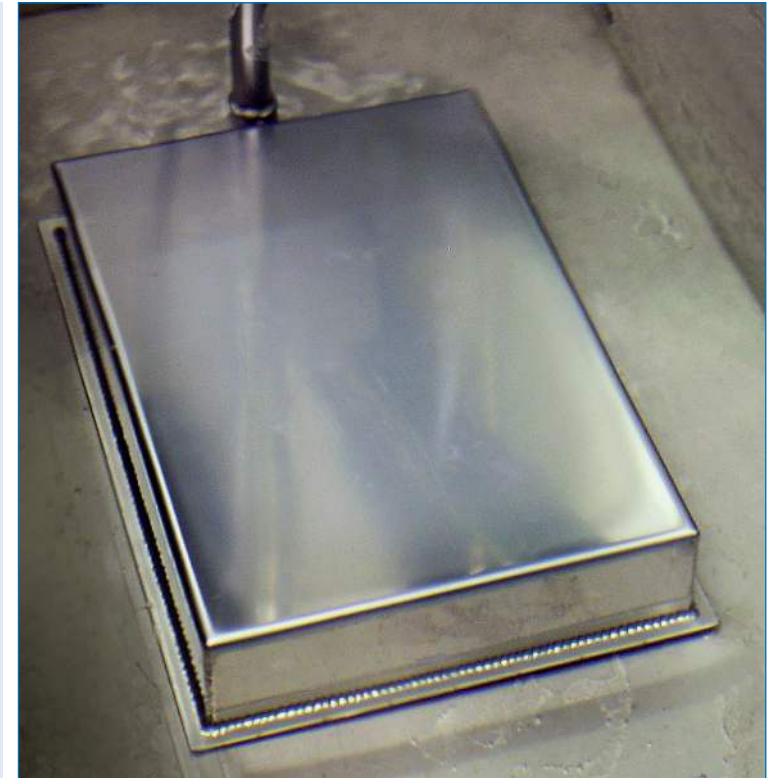
PULSATRON KST - TECHNICAL DATA		
TYPE	TRANSDUCERS	DIMENSIONS (L-R x F-B x D)
12 Block - 600 watts	2 x 6 units	520 mm x 190 mm x 100 mm
	4 x 3 units	340 mm x 265 mm x 100 mm
16 Block - 800 watts	2 x 8 units	675 mm x 190 mm x 100 mm
	4 x 4 units	340 mm x 340 mm x 100 mm
20 Block - 1000 watts	2 x 10 units	885 mm x 190 mm x 100 mm
	4 x 5 units	455 mm x 340 mm x 100 mm
Notes Generator(s) must be placed a minimum of 1 metre from tank into which the KST Transducers are to be placed and should never be operated in a location where there is a risk of water penetrating the generator. The generator location must be chosen with care. It will need a stable location, free from risk of falling, tipping or being knocked over, with plenty of ventilation.		
Other sizes are available to order, please ask for details.		

GUYSON KST SUBMERSIBLE TRANSDUCERS

Guyson KST submersible transducers are designed for applications such as retrofit to existing cleaning tanks or incorporation into new machines on an OEM basis.

Standard configurations are available or we will be pleased to quote for your specific requirements.

- Bulkhead or side mountable depending on your application
- 316L stainless steel transducers with chrome radiating faces for durability and resistance to cavitation erosion
- Can be paired with any of the three generator options (over) - Sonic Digital HS3, Sonopower 3S or LC Premium - for powerful cleaning and reliability
- Each submersible is supplied, as standard, with 5 metres of generator connecting cable but this can be increased up to 15 meters on request



Sonic Digital Control Unit

This practical manual operating unit (right) is for all generators of the Sonic Digital Basic series and HS3 and allows you to remotely make all generator entries and adjustments and read current operating parameters.

- Adjustment and control of all functions
- Equipped with display and LED indicators



Modifications and improvements to Guyson machines are introduced from time to time as a direct result of our policy of continuous development. Consequently all designs and specifications quoted must be regarded as subject to change. Please refer to quotation.
Ref: KST Submersibles

ULTRASONIC GENERATORS



Sonic Digital HS3 Generator

The Sonic Digital HS3 delivers up to 2,000 watts. HS3, DIN rail mounted generators should only be used if they are going to be installed inside a control cabinet or IP rated enclosure. Optional PROFINET or PROFIBUS interfaces enable integration into control processes and remote maintenance.

- Digital frequency generation and control
- Constant power output - digitally controllable between 50-100%
- Interface for monitoring and controlling process-relevant functions
- Switched mode power supply
- High efficiency - low heat build-up
- Optimised operational reliability
- Dedicated single frequency applications for 40, 80 or 132 kHz
- Other frequencies available on request



Sonopower 3S Generator

The latest version of the successful Sonopower 3S model is the most flexible, efficient and stable digital generator concept. 3S generators are available in single, dual or multi frequency, they can be switched between frequencies at will and are in a stand-alone case. They can also have brackets fitted for fitting into standard 19" racks. The 4th generation works with up to three frequencies in various power classes from 1000 to 3000 watts.

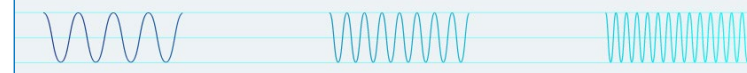
Furthermore, the 3S series includes SonoBoost-Sweep and SonoPower-Modulation functions. This unique integrated of frequency and amplitude modulation creates homogeneous sound fields and prevents 'standing waves', thereby making virtually every cleaning requirement faster and more efficiently.



40 kHz

80 kHz

132 kHz



Digital LC Premium

The LC Premium is more or less equivalent to the HS3, inasmuch as it is single frequency, but it is in a stand-alone case and can be used outside of a control cabinet, on a shelf for instance.

- Sonic Digital technology as stand-alone /table-top device
- Operation via device and display
- Sweep (with plate and submersible transducers from 80 kHz)
- Power adjustment 10 – 100 % in steps of 1 % with submersible transducers