

GUYSON PULSATRON RT ULTRASONIC ROD TRANSDUCERS

Applications

A small footprint makes Guyson's Kerry Pulsatron RT (rod type) transducer eminently suitable for retro-fitting to existing cleaning tank systems, even where these were not designed for ultrasonic operation.

Apart from use in conventional cleaning systems, the Pulsatron RT can be used in vacuum, high pressure and sono-chemistry applications.

Effectiveness

The Pulsatron RT transducer's 360o radiating field provides omni-directional energy with no dead-spot areas. Standing waves are thus less likely to develop and uniform activity within a volume of fluid is attainable at an efficiency of over 95%.

Safety

RT transducers are machined from high quality titanium alloy. Improvements over other transducers and fewer seals have resulted in better operational safety, longer life and a lower risk of inadvertent damage.

RT transducers, supplied complete with Pulsatron RT generators, are totally dry-run proof. Even fluid excess pressures up to 10 bar do not require extra protective measures to be taken.



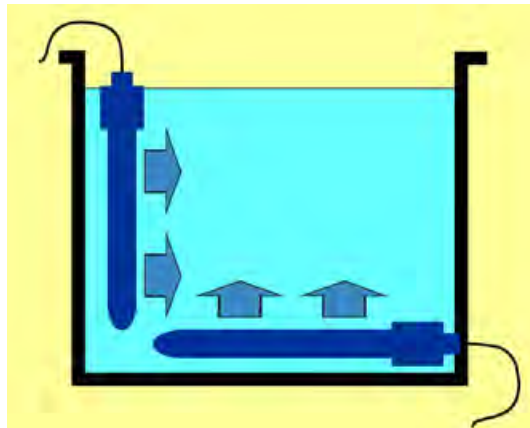
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For metal finishing, electro-plating processes, and maintenance cleaning

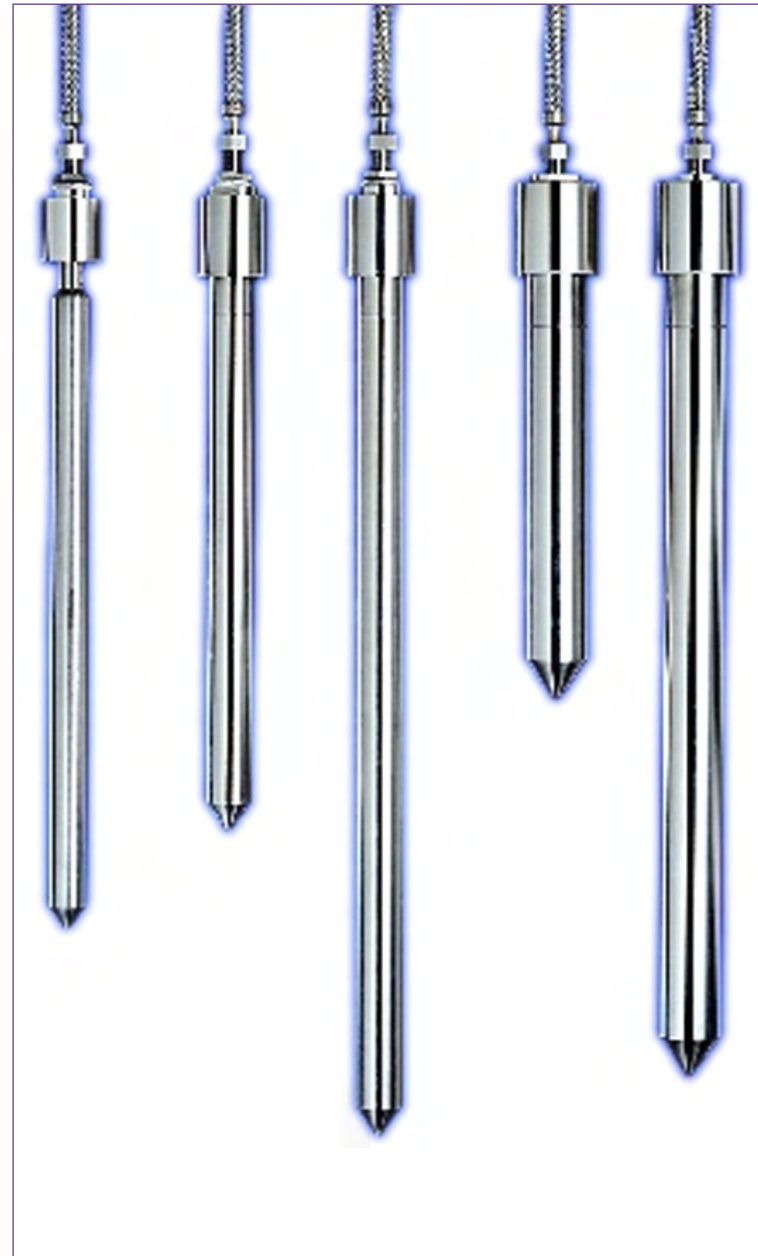
- Simple retrofit to existing tank systems
- High efficiency
- Excellent operational safety
- Short payback time
- Long life
- Small footprint
- 25, 30 and 40 kHz operating frequencies



FM 38758
ISO 9001:2000



PULSATRON RT



PULSATRON RT 28 ultrasonic generators provide:

- Constant power output under most conditions of use
- Constant amplitude when used with RT transducers
- Operation monitoring and control
- Visual display of functions via front panel LEDs
- Degas function
- Protection against short and open circuits and overheating
- Dry run protection when used with RT transducers
- Full CE Certificate of Conformity



GUYSON PULSATRON RT ULTRASONIC ROD TRANSDUCERS

Pulsatron RT ultrasonic transducers are supplied complete with Pulsatron RT 28 ultrasonic generators (photo right), available with a power output of 1000W, 1500W or 2000W in combination with an operating frequency of 25, 30 or 40 kHz.

When used with RT transducers, RT generators react automatically to possible dry-run conditions and reduce the power output to a safe level. Damage to transducers is thus avoided and complex liquid level controls are normally unnecessary.

PULSATRON RT



TECHNICAL DATA

Pulsatron RT transducer type	Transducer radiating length (mm)	Transducer overall length (mm)	Transducer diameter (mm)	Operating frequency (kHz)	Output power (W)
RT 1000-25	495	617	50/70	25	1000
RT 1500-25	495	617	50/70	25	1500
RT 2000-25	891	1013	50/70	25	2000
RT 1000-30	520	612	38/55	30	1000
RT 1500-30	687	779	38/55	30	1500
RT 1000-40	517	596	30/55	40	1000

Pulsatron RT 28 generator (photo top right)

Overall dimensions	168 x 410 x 180mm (width x depth x height)
Mains supply	230 V, 50/60 Hz single phase

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:RT 11/07