

VIBRARODS™ ULTRASONIC Rod Transducers



VIBRARODS™
ultrasonic rod
transducers offer
even greater power
than double-headed
transducers of the
same length.



- Excellent Service Life Due To Solid Radiating Element Made Of Special Titanium Alloy
- Extremely Homogeneous Sound Field Without Gaps Or Dips Due To Omni-Directional Sonic Distribution
- Ideally-Suited For Cleaning Work In Vacuum And Overpressure Environments And For Use With Reactors, Like Those Common To Ultrasonic Chemistry
- Maximum Efficiency Exceeding 95%... With Minimum Space Requirement
- Available In Multiple Frequencies: 25khz, 30 Khz & 40khz



p 877-234-6938

www.sharpertek.com

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i n d u s t r i a l

APPLICATIONS

VIBRARODS™ are ideal for use in closed and multi-chamber cleaning units offering greater performance than double-headed transducers at the same length. Rod transducers are also highly adaptable for use in retrofitting containers and tanks.

EFFECT

The surface of VIBRARODS™, which radiates sound, is larger than comparable transducers with two sound generators. This single advantage delivers both superior sonic performance and more than 95% efficiency. The omni-dimensional sound output generates a homogeneous sound field that ensures smooth and effective cleaning.

OPERATIONAL RELIABILITY

VIBRARODS™ offer 100% dry run protection when used with ultrasonic generators, producing the same performance with just one sound generator required. These unrivaled ultrasonic rod transducers reduce the risk of liquid penetrating and increase operational reliability as a result. The smooth surface also helps prevent soiling and only adds to their long-term benefits.

CLEANING TECHNOLOGY

VIBRARODS™ 25 (kHz)

Ultrasonic Rod Transducers 050 / 70 mm

TYPE SPM	LENGTH B* mm	LENGTH inches	kg	WEIGHT LB
600	320	12	3.1	6.82
600	419	16	3.9	8.58
1000	419	16	3.9	8.58
1000	518	20	4.7	10.34
1000	617	24	5.5	12.1
1200	617	24	5.5	12.1
1500	617	24	5.5	12.1
1500	716	28	6.3	13.86
1500	815	32	7.1	15.62
2000	1013	39	8.7	19.14
2000	1211	47	10.2	22.44
2000	1409	55	11.8	25.96

Additional rod transducer modifications quoted upon request.

VIBRARODS™ 30 (kHz)

Ultrasonic Rod Transducers 038 / 55 mm

TYPE SPM	LENGTH B* mm	LENGTH inches	kg	WEIGHT LB
600	362	14	2	4.40
600	446	17	2.4	5.28
1000	529	20	2.8	6.16
1000	612	24	3.2	7.04
1000	696	27	3.6	7.92
1200	696	27	3.6	7.92
1500	779	30	4	8.80

Additional rod transducer modifications quoted upon request.

VIBRARODS™ 40 (kHz)

Ultrasonic Rod Transducers 030 / 55 mm

TYPE SPM	LENGTH B* mm	LENGTH inches	kg	WEIGHT LB
300	280	11	1.2	2.64
500	343	13	1.4	3.08
750	470	18	1.8	3.96
1000	496	19	2.1	4.62
1200	849	33	2.9	6.38

Additional rod transducer modifications quoted upon request.

Connection standards: 90° curved also available. Stainless steel hose standard length 2mm. Other lengths upon request.