

SONOPUSH MONO®))

Ultrasonic rod transducers

SURFACE TECHNOLOGY



SONOPUSH MONO®

ultrasonic rod transducers offer greater power than double-headed transducers at the same length.

- Excellent service life due to solid radiating element made of a special titanium alloy
- Extremely homogeneous sound field without gaps or dips due to omnidirectional sonic distribution
- Particularly well-suitable to cleaning work in vacuum and overpressure environments and for use with reactors, such as those used in ultrasonic chemistry
- Extremely low space requirement
- High efficiency of more than 95%
- Available for the frequencies 25, 30 and 40 kHz

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Applications

Rod transducers are ideal for use in closed and multi-chamber cleaning units. As they offer greater performance than double-headed transducers at the same length, they are also ideal for retrofitting containers and tanks.

Effect

The surface on SONOPUSH MONO® rod transducers which radiates sound is larger than comparable transducers with two sound generators. Combined with the high efficiency of over 95%, this offers excellent sonic performance. The omnidirectional sound output generates a homogeneous sound field which guarantees smooth and effective cleaning.

Operational reliability

In connection with ultrasonic generators by Weber Ultrasonics, SONOPUSH MONO® rod transducers offer 100% dry run protection. Using just one sound generator that offers the same performance minimizes the risk of liquid penetrating, which in turn makes an important contribution to operational reliability. The entirely smooth surface of the transducer helps prevent soiling.



SONOPUSH MONO® / SONOPUSH MONO HD®

SONOPUSH MONO® 25

Ultrasonic rod transducers Ø50/70 mm

25 kHz	Article	Type SPM	Length A* mm	Length B* mm	kg
	504 000 01	600	198	320	3,1
	504 000 02	600	297	419	3,9
	504 000 03	1000	297	419	3,9
	504 000 04	1000	396	518	4,7
	504 000 05	1000	495	617	5,5
	504 000 06	1200	495	617	5,5
	504 000 07	1500	495	617	5,5
	504 000 08	1500	594	716	6,3
	504 000 09	1500	693	815	7,1
	504 000 10	2000	891	1013	8,7
	504 000 11	2000	1089	1211	10,2
	504 000 12	2000	1287	1409	11,8

SONOPUSH MONO® 30

Ultrasonic rod transducers Ø38/55 mm

30 kHz	Article	Type SPM	Length A* mm	Length B* mm	kg
	504 500 01	600	270	362	2,0
	504 500 02	600	354	446	2,4
	504 500 03	1000	437	529	2,8
	504 500 04	1000	520	612	3,2
	504 500 05	1000	604	696	3,6
	504 500 06	1200	604	696	3,6
	504 500 07	1500	687	779	4,0

SONOPUSH MONO® 40

Ultrasonic rod transducers Ø30/55 mm

40 kHz	Article	Type SPM	Length A* mm	Length B* mm	kg
	504 100 01	300	201	280	1,2
	504 100 02	500	264	343	1,4
	504 100 03	750	391	470	1,8
	504 100 04	1000	517	596	2,1
	504 100 05	1200	770	849	2,9

*Length A = Active radiated length

*Length B = Total length

Thread: 3/8" with 14, 30 or 40mm length.
1" with 25mm length

Material: titanium special alloy.
Other materials on request.

Connection standards: 90° curved also available.
Stainless steel hose standard length 2000 mm.
Other lengths on request.