

# SONOSUB® ))

## Ultrasonic submersible transducers

SURFACE TECHNOLOGY



### **SONOSUB® submersible transducers**

unite robust construction with high efficiency and flexible connection options, while offering a broad spectrum of applications.

- Long service life through use of a special steel alloy for the casing
- Extremely good sonic yield due to use of optimized piezo transducer elements
- Standard frequencies: 25, 30, 40 and 80 to 150 kHz  
Other frequencies available on request
- **Multi-frequency transducers** with 40, 80 and 120 kHz

#### Application

Many standard and special sizes for specific tank volumes and applications make SONOSUB® submersible transducers the ideal solution for new units and retrofitting existing installations. With 5 standard and customisable frequencies, the transducers allow an extremely broad spectrum of applications, such as water-based cleaning, degreasing, electroplating, electronics, PCB technology, optics and maintenance. For work where several frequencies are needed, SONOSUB® submersible transducers are also available as multi-frequency units with 40, 80 und 120 kHz.

#### Effect

When matched to the respective application, SONOSUB® submersible transducers can be fitted to the base or side walls of tanks. The sound generated is directed extremely accurately into the liquid by the diaphragm. The high-grade transducer elements developed by Weber Ultrasonics using piezo technology ensure maximum sonic yield and thereby shorter treatment times.

#### Operational reliability

The capsules of the SONOSUB® submersible transducers are welded using a special technique which guarantees 100% sealing. The electrical cables are contained in a flexible stainless steel hose. A screened high frequency cable is positioned above the column of liquid using a clamp connection. This allows the distance between the submersible transducer and generator to be up to 30 m.



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25 kHz	Article	Type	Dimensions mm
	501 000 01	TS 500	415×325×90
	501 000 02	TS 600	415×325×90
	501 000 03	TS 1000	415×325×90
	501 000 04	TS 1000	775×205×90
	501 000 05	TS 1200	415×415×90
	501 000 06	TS 1200	775×335×90
	501 000 07	TS 1500	445×445×90
	501 000 08	TS 1500	775×335×90
	501 000 09	TS 2000	595×415×90
	501 000 10	TS 3000	895×445×90

30 kHz	Article	Type	Dimensions mm
	501 100 01	TS 500	415×325×70
	501 100 02	TS 600	415×325×70
	501 100 03	TS 1000	415×325×70
	501 100 04	TS 1000	775×205×70
	501 100 05	TS 1200	415×415×70
	501 100 06	TS 1200	775×335×70
	501 100 07	TS 1500	445×445×70
	501 100 08	TS 1500	775×335×70
	501 100 09	TS 2000	595×415×70
	501 100 10	TS 3000	895×445×70

40 kHz	Article	Type	Dimensions mm
	501 200 01	TS 500	415×325×70
	501 200 02	TS 600	415×325×70
	501 200 03	TS 1000	415×325×70
	501 200 04	TS 1000	775×205×70
	501 200 05	TS 1200	415×415×70
	501 200 06	TS 1200	775×335×70
	501 200 07	TS 1500	445×445×70
	501 200 08	TS 1500	775×335×70
	501 200 09	TS 2000	595×415×70
	501 200 10	TS 3000	895×445×70

#### Accessories

Article	Type
400 000 30	Mounting material
400 003 12	Stainless steel hose 2,5 m

#### Material:

Standard material: 1.4462/ 2 mm.  
Different materials and thicknesses are available on request.

#### Connection standards:

Longitudinal, small face via bolt or stainless steel hose 90° curve, also with wall mounting.