

## IMMERSIBLE TRANSDUCER SYSTEMS

### Add Quality Ultrasonics to Existing Tanks

Blue Wave Immersible Transducers make it easy to add ultrasonic efficiency to your process by using your own tanks.

Blue Wave's exclusive Magnetostrictive Transducer & Diaphragm Assembly (30kHz, zero-spaced magnetostrictive transducers silver brazed to a 3/16" thick 316L SS Radiating Diaphragm) is hermetically seal welded with a stainless steel back cover to create a water-tight, submersible ultrasonic system.



The heavy duty design assures years of trouble free service, even in the most demanding application – such as high temperature, highly alkaline cleaning processes. The magnetostrictive transducer is not subject to the performance degradation of typical piezoelectric systems. Equally important is Blue Wave's 7 Gauge (.187") 316L radiating diaphragm, guaranteed for life to never pit through from cavitation erosion – the main failure point of most any other manufacturer's ultrasonic system!

These units can be bottom or side mounted, either singly or in multiple configurations to accommodate specific wattage requirements for larger tank designs. Included in the standard price is custom welded stainless steel conduit for the electrical cabling required in the tank bath, as well as an additional 10' of liquid tight conduit to the ultrasonic generator. Consult directly with a Blue Wave Sales Engineer to determine the optimum configuration for your cleaning application.

### Consider These Features Of Blue Wave's Immersible Transducer Systems:

- Easily adapted to existing process lines (plating lines, aqueous cleaning lines, or any other application which may benefit from microscopic scrubbing action)
- Heavy Duty, Industrial Design and Durability
- Lifetime guaranteed magnetostrictive transducers
- Ultra-quiet 30 kHz Sweep Frequency generator provides effective cavitation with no standing waves or hot spots

### Technical Specifications

Model No.	IM-0912	IM-1218	IM-1620	IM-1825
Overall Dim's	9" x 12" x 4"Dp	12" x 18" x 4"Dp	16" x 20" x 4"Dp	18" x 25" x 4"Dp
Internal Tank Dim's	9" x 12" x 10" Dp	12" x 18" x 10" Dp	16" x 20" x 14" Dp	18" x 25" x 14" Dp
Radiating Diaphragm	7 Ga., 316L SS	7 Ga., 316L SS	7 Ga., 316L SS	7 Ga., 316L SS
Cover Material	12 Ga., 304 SS	12 Ga., 304 SS	12 Ga., 304 SS	12 Ga., 304 SS
Ultrasonic power	500 Watts	1,000 Watts	1,500 Watts	2,000 Watts
Electrical	240V, 1Ø, 3A	240V, 1Ø, 6A	240V, 1Ø, 9A	240V, 1Ø, 12A
Options	Custom sizes, multiple layout configurations for larger tank sizes			