

Immersible Transducer Systems

Immersibles

Immersible Ultrasonic Transducers provide the ultimate flexibility in ultrasonic cleaning system design. These hermetically sealed, modular stainless steel units can be designed into new systems or retrofitted into existing systems to add ultrasonic capability.

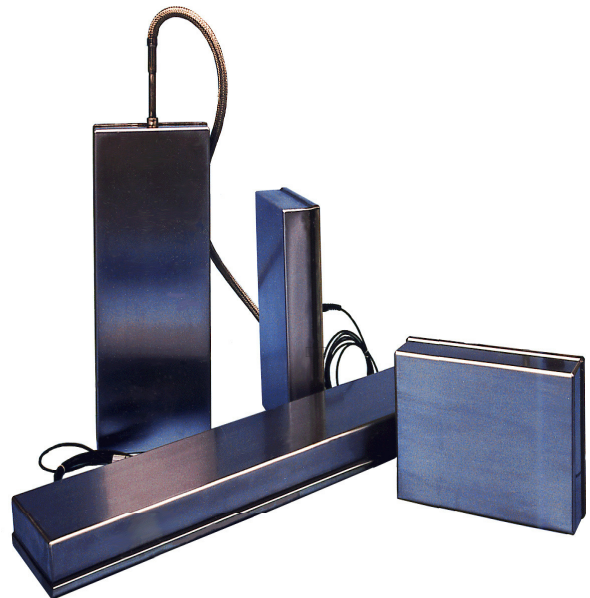
These “workhorse” units are built to withstand continuous use in a heavy, industrial environment. They are constructed of heavy gauge 316L stainless steel. All joints are full-penetration welded using inert gas techniques in our own facility by experienced craftsman. Every unit is pre-tested prior to closure to assure that all transducer elements are performing efficiently. The finished units are function tested in liquid for a minimum of 24 hours prior to shipping.

Immersible Ultrasonic Transducers are free standing units. They do not require attachment to the tank (other than to hold them in position) to function efficiently. As a result, transducers can be moved from tank to tank and positioned as required for special applications when needed.

Blackstone-NEY Ultrasonics’ Immersible Ultrasonic Transducers are available in single sweeping frequencies at 25, 40, 72, and 104 kHz. These are ideal for most industrial applications. For use in high cleanliness precision applications, we also offer multiple frequency immersibles in two configurations of 40, 72, 104 kHz, and 40,80,120, 140, 170, 220, and 270 kHz using our patented multiple frequency generators, the multiSONIK[□] and multiSONIK[□] 2.



We offer:
Highly specialized Alloy for “Acidic” & “Caustic” applications that require ultrasonic processing.



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Technical Specifications

Immersible Transducer Configurations with Neptune C® Generator

IM-Series: 40 kHz

Model/Radiating Surface
Dim: W" x L" x 2.75"

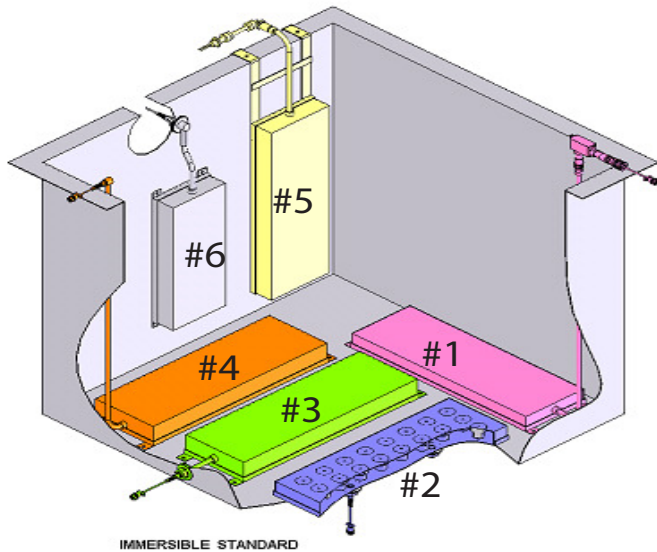
IM 8 x 11	480W
IM 8 x 16	720W
IM 11 x 16	960W
IM 6 x 30	960W
IM 8 x 20	960W
IM 8 x 40	1,820W

IM-Series: 25 kHz

Model/Radiating Surface
Dim: W" x L" x 3.50"

IM 10 x 12	480W
IM 10 x 18	720W
IM 10 x 24	960W
IM 12 x 18	960W
IM 7 x 35	960W
IM 9 x 44	1,820W

Note: Custom Immersible Transducers and Multi-Frequency Immersibles Transducers, Available Upon Request



Immersible Transducer Types:

1. Bottom Mounted - over the top & PVC LB junction box
2. Bottom Mounted - with dual bulkhead
3. Bottom Mounted - with single bulkhead
4. Bottom Mounted - with over the top pipe
5. Side Mounted - with over the top pipe
6. Side Mounted - with bulkhead thru side wall



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