Martin Walter

A *CREST GROUP* Company

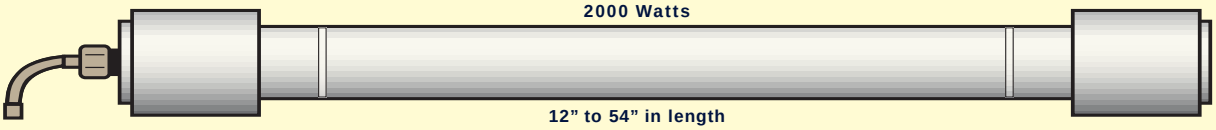
NEW!

Patented Sweep of Individual PZTs*

**Patent Pending*

Titanium Alloy Push-Pull Transducers

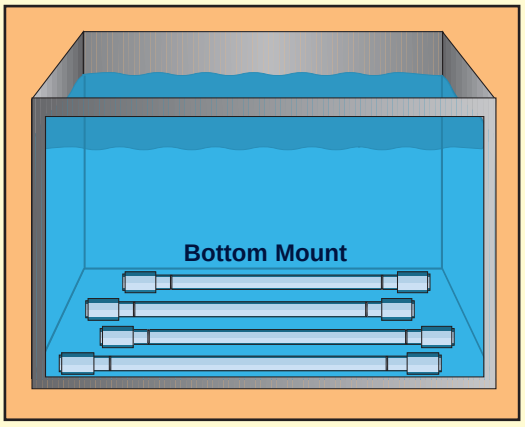
Aerospace, automotive and other challenging applications. Especially suited for Large tanks!

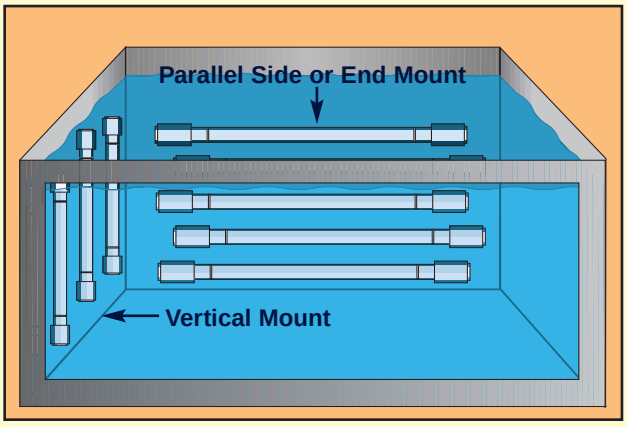


*Not illustrated to scale

Available in 25, 30 & 45 kHz • 500-2000 Watts
Per Push-Pull Transducer • **Delivery 30 Days**

Mounting Possibilities...





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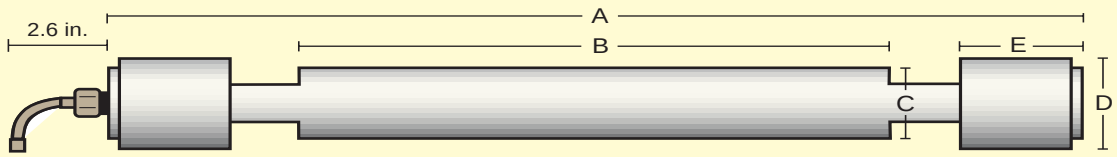
Titanium Alloy Push-Pull Transducers



**Not illustrated to scale*

30 kHz

Generator	Push-Pull	A in	B in	C in	D in	E in
MW 600 GPI	PP 06.30.240	16.54	9.45	1.18	2.17	2.45
MW 600 GPI	PP 06.30.320	19.69	12.60	1.18	2.17	2.45
MW 1000 GPI	PP 10.30.400	22.83	15.75	1.18	2.17	2.45
MW 1000 GPI	PP 10.30.480	25.99	18.90	1.18	2.17	2.45
MW 1000 GPI	PP 10.30.560	29.13	22.05	1.18	2.17	2.45
MW 1500 GPI	PP 15.30.640	32.28	25.20	1.18	2.17	2.45
MW 1500 GPI	PP 15.30.720	35.43	28.35	1.18	2.17	2.45

45 kHz

Generator	**Push-Pull**	**A in**	**B in**	**C in**	**D in**	**E in**
MW 500 GPI	PP 05.45.255	16.14	10.04	1.18	1.88	2.2
MW 500 GPI	PP 05.45.365	20.47	14.37	1.18	1.88	2.2
MW 1000 GPI	PP 10.45.417	22.52	16.42	1.18	1.88	2.2

Stainless Steel Braided Hose

- Standard Length: 5 m/16.4'

High Frequency Cable

- Standard Length: 2.5 m/8.2'

Mounting Specifications

- 3.75" space needed between Push-Pull and the bottom or side walls of the tank *(See figure 1).*
- 3.25" space needed between adjacent push-pulls.

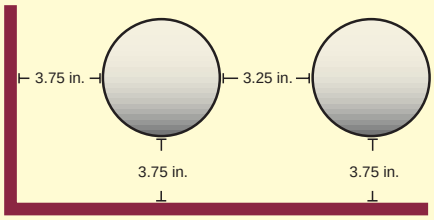


Figure 1
**Not illustrated to scale*

Generator Chassis *(High power, compact size)*

- 84 TE----------Holds a maximum of 5 modules up to 1500 watts per module.
- 42 TE----------Holds a maximum of 2 modules up to 1500 watts per module.
- 28 TE----------Holds a maximum of 1 module up to 1500 watts per module.

About the generator: Due to the multiplicity of possible applications for Martin Walter Push-Pull transducers, it proved necessary to develop a special generator that could provide constant maximum output in varying tank conditions. The result is an ultrasonic system that provides absolute process reliability and superior cleaning results.

Applications: Aerospace, automotive and most other applications involving the use of ultrasonics for cleaning; sonochemistry as well as emulsifying and dispersing.

Titanium construction permits the use of a wide range of cleaning media including: CFC solvents, hydrocarbons, aqueous alkaline solutions, aqueous neutral solutions, aqueous acid solutions (phosphoric, tartaric, and citric acids only).