



FinnSonic

FINNSONIC MI

ULTRASONIC CLEANING UNITS



Peak performance for precision cleaning



cleaner • safer • smarter

Up to 50 % shorter treatment times with FinnSonic MI ultrasonic machines

FinnSonic MI is a compact and fast solution to conventional industrial parts cleaning needs. Operating the unit as well as cleaning and maintenance of the parts is simple and effortless. MI series' modules are made of stainless steel for demanding conditions and heavy use.

Ultrasonic cleaning is sufficient for typical maintenance needs. An MI machine can be expanded into a modular multi-stage washing system, if needed. The washing process can be enhanced with a host of options, thus creating even more cost savings.

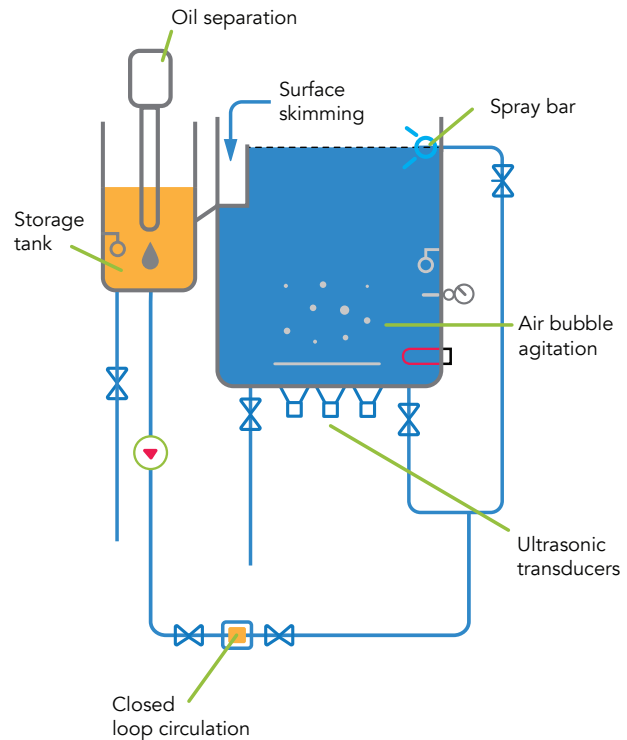
Main benefits

- » The new Finn Sonic ultrasonic technology provides constant maximum performance
 - » Automatic measuring of load - frequency and power regulation
 - » Fully digital generator – well-adjusted and energy efficient
 - » Advanced diagnostics – performance monitoring and service capabilities
 - » Top level of cleanliness
- » Quick wash process
- » Good ergonomics in manual handling of items
- » A cost-effective solution
- » Compact design, small footprint



Wash process

The good level of cleanliness achieved with FinnSonic MI series machines is based on an efficient ultrasound. The transducers have been mounted either to the base or to the sides of the tank, as needed. The ultrasound can thus be optimally targeted for more efficient cleaning. A full width overflow weir with a cut-off valve for surface skimming is a standard feature.



Rinse

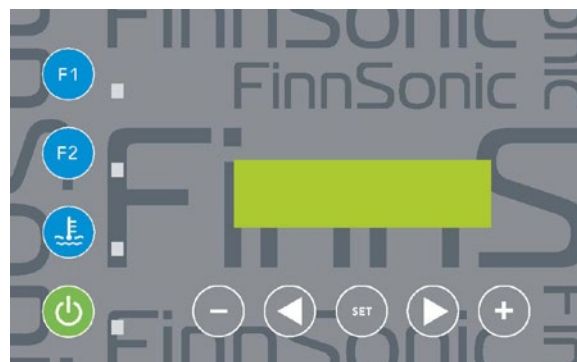
Detergent residues are removed from the surface of the part by rinsing. An increased rinsing effect is obtained by air bubble agitation.

Fluid handling

FinnSonic fluid-handling options ensure the desired level of cleanliness and reduce operating costs. Closed loop filtration and oil separation systems prolong the life of wash and rinse liquids while providing a more consistent cleaning result. Free oil can be skimmed from the surface to a storage tank for oil separation.

FinnSonic control system

- » The wash process is controlled by a user friendly V03 control system
- » Preheating can be set with the seven-day timer
- » Most frequently used temperature and wash time settings can be stored in three memory slots
- » Setting the temperature and switching the heating on is done from the control panel, along with setting the wash time and starting the wash
- » A temperature interlock is also a feature. It ensures that the wash process will not begin before the set temperature is reached



Technical information

Technical information	M80I	M120I	M160I	M160I 2400
Volume l	80	120	160	160
External dimensions mm	760x460x720	740 x 580 x 750	340x460x770	340x460x770
Tank dimensions mm	585x330x400	585 x 450 x 450	1180x330x400	1180x330x400
Max load kg	20	35	40	40
Wash basket dimensions mm	540x290x340	540 x 400 x 390	1110x280x300	1110x280x300
Ultrasonic W power nom/peak	1200/2400	1200/2400	1200/2400	2400/4800
Ultrasonic frequency kHz	30*)	30*)	30*)	30*)
Heating power W	2000	4000	6000	6000
Voltage V/Hz	400/230/50	400/230/50	400/230/50	400/230/50
Filling valve	R 1/4	R 1/4	R 1/4	R 1/4
Drain valve	R 3/4	R 3/4	R 3/4	R 3/4
Overflow weir valve	R 3/4	R 3/4	R 3/4	R 3/4
Connecting load W	3200	5200	7200	8400

*) 40 kHz also available.

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FinnSonic maintains certified quality and environmental programs ISO 9001:2008 and ISO 14001:2004. Specifications subject to change without prior notice.