

The logo for FinnSonic, featuring the brand name in a blue sans-serif font with a blue horizontal bar above the 'i' and another below the 'c'.

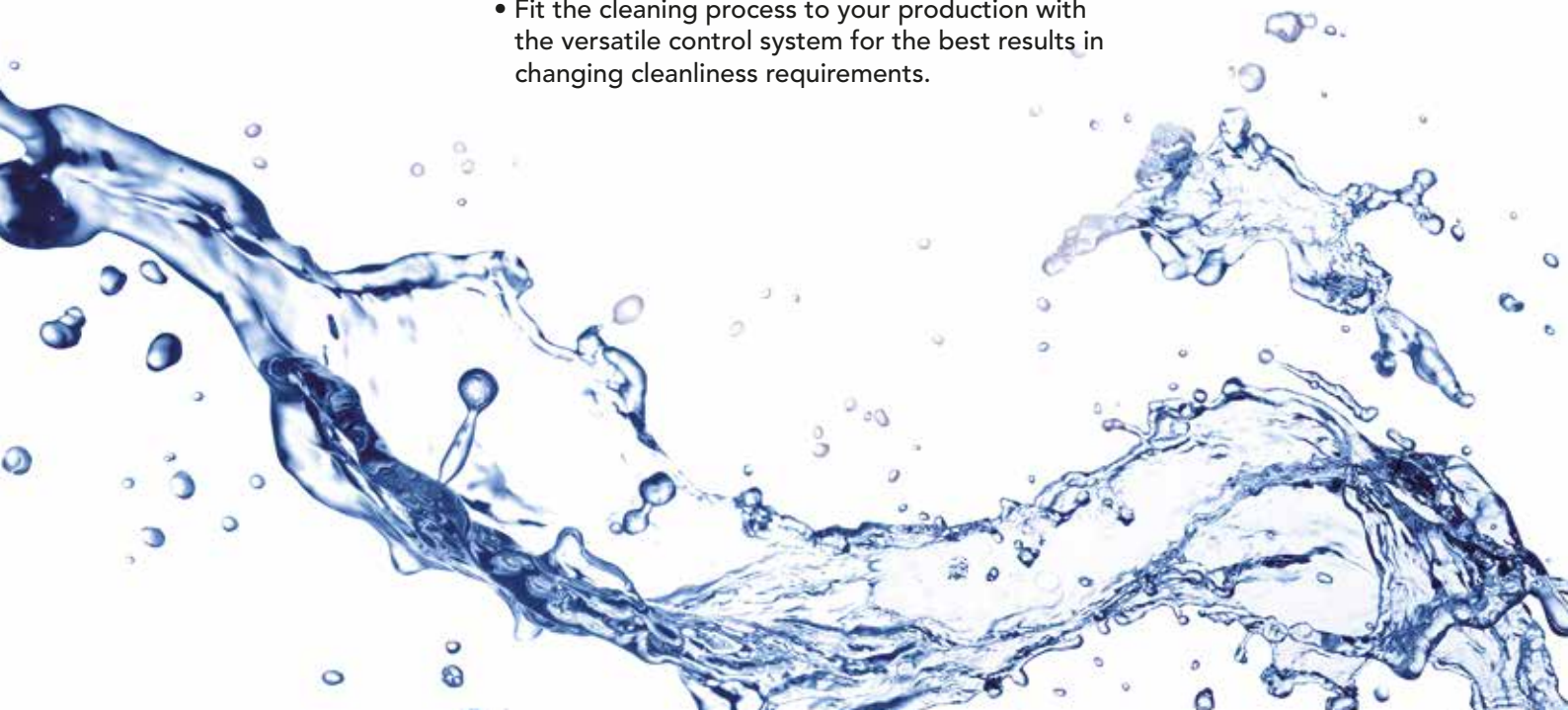
# FinnSonic MI

## ultrasonic cleanliness solutions

Peak Performance for Demanding Parts Cleaning



- Achieve required cleanliness with FinnSonic single- or multistage modular cleaning solution.
- Fit the cleaning process to your production with the versatile control system for the best results in changing cleanliness requirements.



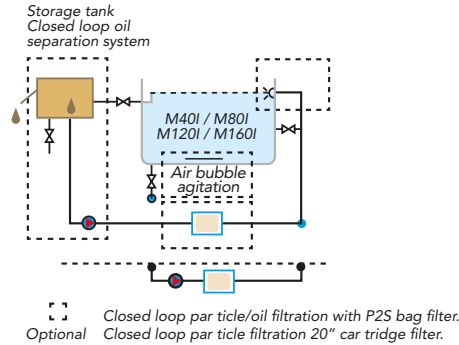
# FinnSonic MI-range ultrasonic cleaning solutions

## Wash

FinnSonic's success in providing precision cleanliness solutions is based to powerful ultrasonics. FinnSonic offers a variety of solutions which include bottom or side transducers. Full width overflow weir with cut-off valve for surface skimming is a standard feature. For components not suitable for ultrasonic cleaning, FinnSonic offers the jet turbulence technique with spray under immersion.



Remove oil and floating contamination from surface with a spray bar.



## Rinse

Detergent residues are removed from part surface by rinsing. Further effect to the rinsing can be provided by optional air bubble agitation. Spotless rinsing results are achieved with demineralised water. For non-heated dewatering fluids, optional FinnSonic dewatering units are recommended.

## Dry

Circulating hot air provides corrosion protection and effective logistics even for the most complicated parts.

## Fluid handling

FinnSonic fluid handling options assist in achieving the required cleanliness level and reduce operating costs. Closed loop filtration and oil removal options increase the life of wash and rinse liquids while providing a more consistent cleanliness result. Free oil can be removed from the wash liquid by surface skimming and storage tank with an oil separation system.

## Environment

FinnSonic maintains a positive awareness of the environment by providing attention to environmental impacts of materials through constant development of environmentally friendly processes.

Manage the cleanliness process with the easy to use FinnSonic control system.

- Maintain an effective work day schedule with **7 day timer** for control of heating on/off requirements.
- Flexibility to activate treatment from your own PLC with **external control** feature.
- Maintain cleanliness **process integrity** by controlling the maximum temperature during the entire cleanliness process.
- For **process optimization, temperature interlock** ensures that temperature cannot be changed from the panel and process will not begin before set temperature is reached.
- **Program selection** from memory according to part cleanliness requirement.

## Technical information

Technical information	M40I	M80I	M120I	M160I	M160I2400
Volume l	40	80	120	160	160
External dimensions mm	640x390x540	760x460x720	740 x 580 x 750	1340x460x770	1340x460x770
Tank dimensions mm	460x265x300	585x330x400	585 x 450 x 450	1180x330x400	1180x330x400
Wash basket dimensions mm	420x225x225	540x290x340	540 x 400 x 390	1110x280x300	1110x280x300
Ultrasonic power W nom./peak	600/1200	1200/2400	1200/2400	1200/2400	2400/4800
Ultrasonic frequency kHz	30*)	30*)	30*)	30*)	30*)
Heating power W	1500	2000	4000	6000	6000
Voltage V/Hz	230/50	230/50	(230)/400/50	(230)/400/50	(230)/400/50
Filling valve	R 1/4	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	R 3/4
Overflow weir valve	R 3/4	R 3/4	R 3/4	R 3/4	R 3/4
Connecting load W	2100	3200	5200	7200	8400

\*) Available alternatively at 40kHz



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