



# SonoCheck trouble-shooting guide

## SonoCheck for ultrasonic cleaner

In case of unsatisfactory results during functional or routine test (no colour change or colour change much slower than average) please check the following instructions:

Parameter	Possible reasons	Corrective actions
De-gassing	dissolved gasses may absorb ultrasonic energy	refer to the manual instruction for proper de-gassing
Water level	reflection of ultrasonic energy on the surface may change energy distribution	refer to the manual instruction for right water level
Cycle time	depending on the energy provided in the bath, a longer time may be needed for sufficient energy	extend cycle within a reasonable time (eg: 5 to 10 min.) to obtain a better result
Load	a heavy load or certain type of material can absorb ultrasonic energy	redo the functional test, reduce load or check for absorbing material like plastic or silicon
Transducers	the efficiency of the transducers may decrease with age or individual transducers may be out of order	redo the functional test and check the individual transducers
Low energy	not enough energy supplied by the transducers, or the ultrasonic basket may absorb too much energy	redo test without ultrasonic basket, compare energy level with another equipment/call for service

**Note:** If during optimisation, the Ultrasonic cleaner is taking longer than 15 mins to indicate a positive result, it will indicate a blind spot or if the test is taking longer than the average performance (approx. 1-3 mins) it will indicate a weak spot.