

BOLL Ultrasonic Cleaning Unit TYPE 5.05

Effective cleaning of filter elements

Today, cleaning by ultrasonic is the latest fine cleaning method for contaminated filter elements with sieve meshes. Highly energetic liquid jets remove virtually all entrained dirt particles from the mesh of the filter screen. Ultrasonic cleaning is the simple, clean and effective method to restore filter meshes to their original filtration level, open condition.

Hang in, activate, ready!

The cleaning process is easy and trouble-free. The contaminated filter elements are placed in a cleaning basket which is hung in the tank filled with cleaning fluid. After closing the cover and activating the unit, ultrasonic waves emitted from two sides remove the dirt particles from the mesh of the filter screen. The removed contamination falls out of the lower, open end of the filter element.

Two different frequencies are available, one for a primary cleaning (25 kHz) and one for a gentle fine cleaning (45 kHz). A programmable sweep function uses permanent acoustic modulation to ensure even distribution of energy to deliver consistent cleaning results.

Versatile, robust and easy to maintain

Due to its construction and functionality the filter element cleaning unit can be used under various operating conditions, is easily maintained and because of its robust stainless steel structure it withstands even intensive usage.



The unit is designed to facilitate stable fastening on board the ship, even in rough sea states. The beveled tank bottom allows for quick and complete draining of the spent fluid. The entire control unit is placed in a compact module. For reasons of maintenance it can be replaced quickly and without special knowledge.

Reduce costs, save environment

BOLL & KIRCH recommends regular cleaning of filter elements because it prolongs their service life and reduces expenditure on consumable items. Exclusively BOLL-CLEAN 2000, the eco-friendly and biodegradable cleaner, should be used as cleaning fluid. The unit is in compliance with the directives of 73/23/EEG (EEC) and DE 89/336 EEG (EEC). The standard equipment consists of cover, plastic-laminated sieve candle basket, stand-ard basket and ground frame.



Technical Data

BOLL Ultrasonic Cleaning Unit Type 5.05	
Ultrasonic frequency	25 kHz and 45 kHz switchable
Ultrasonic peak performance	2000 W
Ultrasonic effective performance	1000 W
Mains connection option 1	230 V; 1 phase; 1 N; 1 PE
Mains connection option 2	400 V; 3 phases; 1 N; 1 PE
Mains frequency	50 / 60 Hz
Protection class	IP 68
Power consumption without heating	1050 W
Time switch	continuous operation / 120 min. timer
Heating control	20 °C - 80 °C
Heating capacity	2400 W
Unit outer dimensions without outlet valve (W x D x H)	650 x 605 x 850 mm
Unit outer dimensions with outlet valve (W x D x H)	650 x 670 x 850 mm
Unit outer dimensions with outlet valve and socket frame (W x D x H)	650 x 670 x 955 mm
Tank inner dimensions (W x D x H)	600 x 400 x 700 mm
Basket inner dimensions (W x D x H)	560 x 325 x 400 mm
Total filling volume	170 l
Drain	3/4"
Weight	82 kg
Material housing, tank and basket	stainless steel