

Ultrasonic Processors, Dr. Hielscher GmbH

Suitable for continuous operation, amplitude regulation, adjustable pulse, optimal resonance frequency, optional PC control, GS and CE tested.

Applications:

Digestion of biological material (tissue, cells, bacteria, fungus, spores, suspension, emulsification, homogenization, dissolving, acceleration of chemical reactions, cleaning, screening, degasifying, atomizing.

Processors (without accessories)

	①	①	②	③	④
Processor	UP50H	UP100H	UP200H	UP200S	UP400S
Type of operation	Hand/Stand	Hand/Stand	Hand/Stand	Stand	Stand
L × W × H	mm 180×130×50	mm 180×130×50	mm 257×157×130	mm 190×200×90	mm 190×200×130
Weight	kg 0.75	kg 0.75	kg 1.5	kg 2.3	kg 3.3
Connection 230 V, 50 Hz	0.5 A	1 A	2 A	2 A	4 A
Connection 100–120 V, 50–60 Hz	1 A	2 A	4 A	4 A	8 A
Nominal input	W 50	W 100	W 200	W 200	W 400
Acoustic output	W 43	W 87	W 170	W 170	W 340
Acoustic frequency kHz	30	30	24	24	24
Order No.	96 82 00000	96 82 00004	96 82 00001	96 82 00002	96 82 00003

Accessories for all processors

Article	Order No.
Stand	96 82 00010
Timer	96 82 00011
PC controller	96 82 00012
Acoustic irradiation cup	96 82 00013
Noise guard	96 82 00014

Accessories for UP50H/UP100H

Article	Order No.
Microtip 0.5 mm Ø	96 82 00020
Microtip 1 mm Ø	96 82 00021
Microtip 2 mm Ø	96 82 00022
Microtip 3 mm Ø	96 82 00023
Microtip 7 mm Ø	96 82 00024
Microtip 10 mm Ø (only für UP100H)	96 82 00027
Flow through unit with horn 7 mm Ø	96 82 00025
Stand holder	96 82 00026

Accessories for UP50H/UP100H

Article	Order No.
Horn 1 mm Ø	96 82 00030
Horn 2 mm Ø	96 82 00031
Horn 3 mm Ø	96 82 00032
Horn 7 mm Ø	96 82 00033
Horn 14 mm Ø	96 82 00034
Horn 40 mm Ø	96 82 00035
Flow through unit with horn 14 mm Ø	96 82 00036

Accessories for UP50H/UP100H

Article	Order No.
Flow through unit with horn	96 82 00042
Horn 3 mm Ø	96 82 00043
Horn 7 mm Ø	96 82 00044
Horn 14 mm Ø	96 82 00045
Horn 22 mm Ø	96 82 00046
Horn 40 mm Ø	96 82 00047

Other accessories for atomizing, screening, cutting as well as specialized solutions and industrial applications on request.

