

Ultrasonic Baths UR

General Information

RETSCH's product range includes three sizes of ultrasonic baths for cleaning test sieves and grinding tools quickly and easily. UR 1 is for test sieves up to 203 mm dia., UR 2 for test sieves up to 450 mm dia., and the UR 3 for the simultaneous cleaning of up to 5 test sieves 200/203 mm dia. The gentle yet thorough cleaning of test sieves in an ultrasonic bath increases their working lives as damage which could occur during manual cleaning is avoided.



Application Examples

cleaning sieves and other laboratory equipment

Product Advantages

- fast, gentle, and highly efficient cleaning
- universal and compact
- easy to use, saves time and cost
- intensive dispersion and degassing
- low maintenance
- long life

Features

Applications	cleaning, dispersion, degassing
Feed material	sieves, glass and metal components, suspensions
Batch size / feed quantity*	UR 1: 1 sieve 200 x 50 mm, 8" x 2" UR 2: 1 sieve 450 x 65 mm UR 3: 5 sieves 200 x 50 mm, 8" x 2"
Time setting	0 - 15 min
Container volume	UR 1: 5.7 l UR 2: 42 l UR 3: 45 l
Oscillating tank Ø x H / W x H x D	UR 1: 24.5 x 13 cm UR 2: 52 x 20 cm UR 3: 50 x 30 x 30 cm
HF continuous maximum output	UR 1: 35 kHz, 2 x 240 W UR 2: 35 kHz, 2 x 600 W UR 3: 35 kHz, 2 x 1000W
Electrical supply data	different voltages
Power connection	1-phase
W x H x D	UR 3: 630 x 530 x 350 mm
Ø x H / W x H x D	UR 1: 260 x 260 mm UR 2: 570 x 460 mm
Net weight	UR 1: ~ 5 kg UR 2: ~ 21 kg UR 3: ~ 27.5 kg
Standards	CE

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Videolink

Function Principle

A high-frequency generator produces about 35000 oscillations per second, which are transferred into the cleaning solution and cause it to resonate. The energy density of the sound field is so high that a cavitation effect sets in. Innumerable extremely small vacuum bubbles develop, which collapse in microseconds due to pressure and suction, in other words they implode. The pulses triggered by this remove dirt particles even at the deepest, least accessible places or they result in homogenisation, dispersion and degassing. □

Order data

Ultrasonic Baths UR 1 / UR 2 / UR 3

(please order lid and basket separately)

70.791.0001	UR 1, 230 V, 50/60 Hz, oscillation tank: 24.5 cm Ø x 13 cm,, 5.7 litres
70.791.0002	UR 1, 110 V, 60 Hz, oscillation tank: 24.5 cm Ø x 13 cm,, 5.7 litres
70.791.0003	UR 2, 230 V, 50 Hz, oscillation tank: 50.0 cm Ø x 20 cm,, 42 litres
70.791.0004	UR 2, 110 V, 60 Hz, oscillation tank: 50.0 cm Ø x 20 cm,, 42 litres
70.791.0005	UR 3, 220-240 V, 50/60 Hz, oscillation tank: 50.0 x 30 x 30 cm,, 45 litres
70.791.0006	UR 3, 110-130 V, 50/60 Hz, oscillation tank: 50.0 x 30 x 30 cm,, 45 litres

Accessories UR

09.107.0249	Lid, stainless steel, for UR 1
09.107.0250	Lid, stainless steel, for UR 2
09.107.0395	Lid, stainless steel, for UR 3
09.145.0001	Basket, stainless steel, for UR 1
09.145.0002	Basket, stainless steel, for UR 2
09.145.0003	Basket, stainless steel, for UR 3
05.620.0001	Detergent TICKOPUR RW 77, 1 litre