

## SONOREX Ultrasonic baths in the garage and motorcycle repair shop



Ultrasound removes only in a few minutes

- oil and dirt residues from fuel injectors, carburettors and engine parts
- combustion residues of spark plugs
- copper rust and deposits in the carburettor, on tools, water pumps, ball bearings, throttle valves, components of automatic transmissions, window regulators and central locking systems
- oil- and grease based residues as well as dirt from tools, e.g. ratchet handles

Thanks to environmentally-friendly, biodegradable cleaning concentrates that have been especially developed for ultrasound cleaning, best cleaning results are achieved while simultaneously protecting the material.

### SONOREX SUPER

Ultrasonic baths with easy-to-operate turning knobs



Type (selection)	Internal tank dimensions l x w x d [mm]	Capacity [l]	Code No.	External dimensions l x w x d [mm]	Outlet ball valve	Ultrasonic peak output* [W]	Ultrasonic nominal output [W]
RK 102 H	240 x 140 x 100	3.0	303	260 x 160 x 250	G ¼	480	120
RK 510 H	300 x 240 x 150	9.7	321	350 x 265 x 300	G ½	640	160
RK 514 BH	325 x 300 x 200	18.7	363	355 x 325 x 385	G ½	860	215
RK 156 BH	500 x 140 x 150	9.0	646	530 x 165 x 300	G ¾	860	215

All ultrasonic baths with time setting 1–15 min or ∞, \*corresponds to 4 times ultrasonic nominal output

### SONOREX DIGITEC

Ultrasonic baths with rapid degassing



Type (selection)	Internal tank dimensions l x w x d [mm]	Capacity [l]	Code No.	External dimensions l x w x d [mm]	Outlet ball valve	Ultrasonic peak output* [W]	Ultrasonic nominal output [W]
DT 102 H	240 x 140 x 100	3,0	3235	260 x 160 x 250	G ¼	480	120
DT 510 H	300 x 240 x 150	9,7	3206	350 x 265 x 300	G ½	640	160
DT 514 BH	325 x 300 x 200	18,7	3216	355 x 325 x 385	G ½	860	215
DT 156 BH	500 x 140 x 150	9,0	3221	530 x 165 x 300	G ¾	860	215

All ultrasonic baths with time setting 1, 2, 3, 4, 5, 10, 15, 30 min or ∞, \*corresponds to 4 times ultrasonic nominal output

## Accessories

made of stainless steel

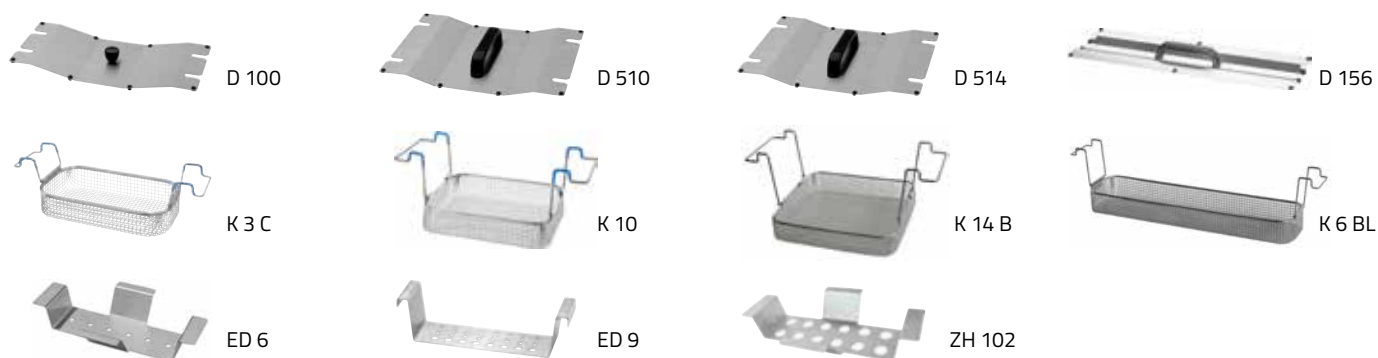
	RK 102 H DT 102 H		RK 510 H DT 510 H		RK 514 BH DT 514 BH		RK 156 BH DT 156 BH	
<b>Lid</b> Code no.	<b>D 100</b> 3003		<b>D 510</b> 3008		<b>D 514</b> 3010		<b>D 156</b> 3004	
<b>Insert basket</b> Internal dim. [mm] Code no.	<b>K 3 C</b> 200 × 110 × 40 3025		<b>K 10</b> 250 × 195 × 50 359		<b>K 14 B</b> 275 × 245 × 50 205		<b>K 6 BL</b> 460 × 100 × 50 629	
<b>Injector holder</b> Code No.	<b>ED 6</b> 1831	<b>ED 9</b> 183	<b>ED 9</b> 183		–		–	
<b>Spark plug holder</b> Code no.	<b>ZH 102</b> 383		–		–		–	

All insert baskets with mesh size 5 × 5 mm.

Spark plug holder and injector holder for hanging into the tank. Spark plug holder for max. 12 spark plugs.

Injector holder ED 6 for max. 6 injectors; 6 holes Ø each 7.5 mm

Injector holder ED 9 for max. 32 injectors; 8 holes Ø each 9.5 mm, 8 holes Ø each 5.5 mm, 8 holes Ø each 4.5 mm, 8 holes Ø each 3.5 mm.



## TICKOPUR Cleaning concentrates

- especially developed for use in ultrasonic baths
- gentle to material and cavitation enhancing
- environmentally friendly and biodegradable



2-l-bottle and 5-l-jerry can TICKOPUR TR 13

Type	Description	Application instructions	Litres	Code no.
TICKOPUR TR 13	<b>Special cleaner, concentrate</b> For injectors (diesel and petrol), valves. Removes gumming, coking residues, grease, oil, wax, coatings and pigments, drilling, grinding, polishing and lapping residues from steel, stainless steel, glass, ceramics, plastics, rubber, metal, etc. (not for aluminium alloys, tin, zinc). For stubborn residues. Active agents: alkalis, tensides. Alkaline, pH 11.9 at 1 %.	Application with ultrasound: 0,1 – 10%, 1 – 10 minutes, 20 – 80 °C	2	872
		for injectors: 10%, 10 minutes, 70 °C	5	848
TICKOPUR R 33	<b>Universal cleaner, concentrate</b> For carburettors, tools, machine parts. Removes drilling, grinding, polishing and lapping residues, oil- and grease-based residues, soot, etc. With corrosion protection. Gentle to material. Caution with tin and zinc. Active agents: tensides. Mildly alkaline, pH 9.9 at 1 %.	Application with ultrasound: 3 – 5 %, 1 – 10 minutes, 20 – 80 °C	2	883
		for carburettors: 5%, max. 10 minutes, max. 50 °C	5	831
TICKOPUR TR 3	<b>Special cleaner, concentrate</b> For carburettors, tools, machine parts. Removes limescale and fuel residues, flash rust, grease, oil, wax, pigments, drilling, grinding, polishing and lapping residues, etc. from metal, glass, ceramics, plastics, rubber. With corrosion protection. Free of phosphates, gentle to material. Active agents: citric acid, tensides. Mildly acid, pH 3.0 at 1 %.	Application with ultrasound: 5 %, 1 – 10 minutes, 20 – 80 °C	2	923
		for carburettors: 5%, max. 10 minutes, max. 50 °C	5	935

## Application instructions

Select the right ultrasonic bath and the right basket according to the size of the item to be cleaned, because the items to be cleaned must not be placed on the bottom of the tank!

Please calculate a suitable tolerance. The object to be cleaned must not be larger than the internal dimensions of the basket.



Small parts  
(in a before/after comparison)



Carburettors  
(in a before/after comparison)




EGR valves  
(in a before/after comparison)

## Application examples

Further application examples and informations can be found on our website  
[www.bandelin.com/service/applications/?lang=en](http://www.bandelin.com/service/applications/?lang=en)

Application videos can be found on

 [www.youtube.com](http://www.youtube.com)



Ultrasonic bath SONOREX SUPER RK 102 H  
with FSI injectors in an injector holder



Ultrasonic bath SONOREX SUPER RK 102 H with spark plug holder