

INFORMATION

Cleaning of spark plugs in an ultrasonic bath with a spark plug holder ZH 102

Intensive ultrasonic cleaning reduces operating costs



Ultrasonic bath SONOREX SUPER RK 102 H with spark plug holder

Ultrasonic cleaning can significantly prolong the life span of CHP spark plugs. This in turn significantly reduces the operating costs of biogas plants.

The lean, highly compressed mixture of biogas and air within biogas plant gas engines needs to be ignited with a powerful spark. High performance spark plugs are used for this purpose.

Impurities in the combustion gas cause deposits to form on the spark plugs during operation, which consequently causes the ignition function to deteriorate. Dirty spark plugs lead to insufficient combustion in the CHP engines, which in turn reduces engine power and increases pollutant emissions.

In order to avoid unfavorable combustion and possible resulting damage, operators should regularly submit spark plugs to ultrasonic cleaning. Cleaning spark plugs with an ultrasonic bath instead of a wire brush yields a better result – the gaps in the plugs are comparatively cleaner and the plugs are no longer subjected to mechanical abrasion, which wire brushes inevitably cause. Finally, the ultrasonic bath is also suitable for additional biogas plant maintenance tasks.



Spark plug holder ZH 102, ultrasonic bath DT 102 H, cleaning concentrate TICKOPUR TR 3

	type	code no.
ultrasonic baths SONOREX SUPER SONOREX DIGITEC	RK 102 H	303
	DT 102 H	3235
spark plug holder	ZH 102	383
cleaning concentrate TICKOPUR	TR 3 – 2 l	923



Spark plug before and after ultrasonic cleaning

Recommended application

units: SONOREX SUPER RK 102 H
or SONOREX DIGITEC DT 102 H

operating volume: 2 l

cleaning concentrate: TICKOPUR TR 3, dosing 10 %

temperature: 50 °C

cleaning time: ca. 10 min.

After cleaning rinse with tap water and dry.