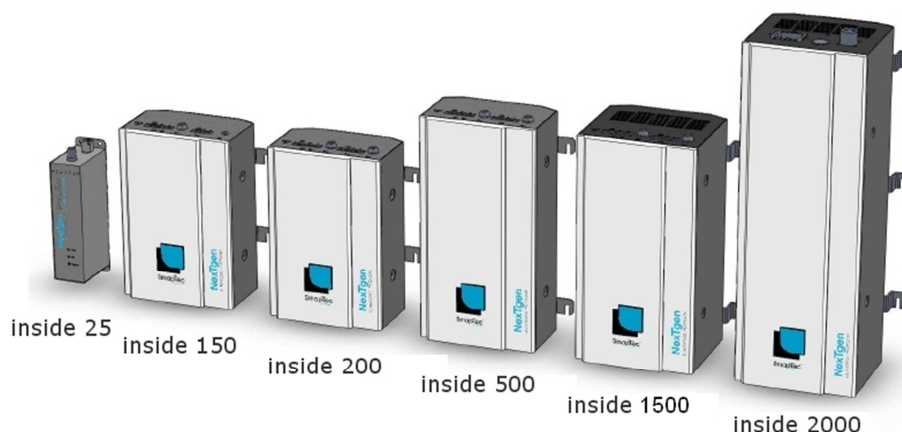


NexTgen inside ultrasonic generators

NexTgen patented technology is the result of Sinaptec 30 years of experience in the ultrasonic technology. The generators are totally digital, offering precision and flexibility to drive the transducers working in a frequency range of a few kilohertz to 100 kHz and a power up to 2000W.



- NexTgen inside generators can easily be integrated in many environments, thanks to their **compact volume**.
- They are protected against voltage, current, frequency and temperature drifts, and benefit of a **2 year warranty**.
- Various control interfaces are proposed to integrate perfectly your process, and to ensure **traceability**.
- The frequency and power are self-regulated to ensure the **stability of the ultrasonic cleaning**.
- A parameter control and **remote diagnosis** of the generator and of the transducer can be realized, provided that the generator is connected to the local Internet network.

Generator	Max Power ^(*)	Dimensions without connectors (H x L x W)	Power supply	Model
inside 25	25 W	170 x 40 x 70 mm	24 V _{DC}	Classic
inside 150	150 W	210 x 175 x 100 mm		230 or 120 V _{AC}
inside 200	200 W	210 x 175 x 100 mm		
inside 500	500 W	270 x 175 x 100 mm		
inside 1500	1500 W	270 x 175 x 160 mm		
inside 2000	2000 W	400 x 175 x 160 mm		

* : Other characteristics on request.

The generators can be integrated in the electrical box on request.

▪ Classic Model

This configuration has:

- 1 ultrasound on/off input,
- 1 error relay output.

▪ Process Model

Additional functions, usually managed by external modules, are here integrated directly into the generator:

- 1 configurable analog input 0..10 V,
- 1 configurable analog input or output 0..10 V,
- 1 PT100 3-wire temperature input,
- 2 configurable inputs for changing operation on a sensor or external command,
- 3 dry contact inputs to select among 8 presets (control modes),
- 1 configurable transistor output,
- 1 configurable relay output.



Communication option

The communication option provides access to NexTgen functionalities through an **Ethernet or RS485** network and is controlled through a PLC or operator screen. It is thus possible via the network to choose the settings of the ultrasound cycle, the frequency and power, and to use diagnosis functions.



NexTgen software

NexTgen Start software is **free** and is used for timer and power setting and allows you to view in a simple way the state of the generator.

NexTgen Advanced version gives access to much functionality for **setting, monitoring and diagnosis**.

