

Raca International BV

Your Spray Drying Nozzle Specialist

CATALOG 2018

Ultrasonic industrial devices

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Floor-mounted ultrasonic devices

High performance for heavy-duty applications

- Mobile single-tank devices of 8 sizes
- 25/45 kHz multi-frequenz technology for cleaning stubborn contaminations and sensitive surfaces with one device
- Switchable Dynamic-, Pulse- and Sweep-functions for more ultrasonic performance
- Long-lasting, robust devices with tanks made of special stainless steel
- Easy and clear operation, protected against spraying water

Fyrtex F

Robust and strong single tank devices with multi-frequency technology

Fyrtex F floor-mounted ultrasonic devices are designed for use in a production environment, workshops and servicing. The wide range of features makes it easy and effective to work with these devices. You can easily remove even stubborn contaminants, like polishing pastes, at 25 kHz. At 45 kHz, you can gently clean and degrease sensitive surface materials. Using the switchable Sweep-, Pulse- and Dynamic-functions, you can achieve even more effective cleaning results. All functions and cleaning parameters like time and heating preselection and ultrasonic frequency are arranged user-friendly on the control panel on the front of the device where users can set and monitor them at a glance.

Fyrtex F devices are rated for continuous operation under the highest operational demands. The tanks are made of special stainless steel, which makes them robust with a long service life. In single-shift operation, they are guaranteed a warranty period of three years.



Functions of ultrasonic device

- Multi-frequency at 25/45 kHz: individually settable frequencies depending on the cleaning job.
 - 25 kHz for rough part cleaning and removing stubborn contaminants like lapping and polishing paste, for example.
 - 45 kHz for cleaning sensitive parts and surfaces from contaminants like oils, drilling emulsions and greases. Also ideal for hard metal and glass surfaces in industrial and artisan environments as well as jewelry manufactures.
- Sweep-function for optimum sound field distribution and cleaning performance in the entire ultrasonic bath.
- Switchable Pulse-function increases the peak ultrasonic performance output. This uprating makes it possible to remove even the most stubborn contaminants.
- Dynamic-function: The Sweep- and Pulse-functions run alternately on an automatic basis. The ultrasonic performance is temporarily increased by up to 20%. At the same time, the even ultrasonic sound field distribution in the ultrasonic bath enhances the cleaning effect.
- Short heating times due to the high heating capacity with temperature regulation (30 - 80°C)
- High user safety with automatic safety shutdown.
- Easy to service due to quick changing of the generator and operator control unit. This means that the devices are ready for use again very quickly and are highly available for users.

Accessoires



Baskets can be hung in and set up in the drip position



Hinged covers with noise protection

The strong ultrasonic alternative for spray cleaning and solvent cleaning

Optional **noise protection cover** to reduce noise for relaxed working

Clearly arranged control panel with protected from spraying water

- Individual time and temperature regulation
- Tried and tested Pulse- and Sweep-functions
- Increased performance due to Dynamic-function

Robust stainless steel housing

Quick and easy draining of the cleaning liquid via the draining ball valve

Long-lasting tank made of special stainless steel with a sloping trough base to drain the device better

High mobility, since devices are on industrial rollers



Suitable Cleaning Chemistry

for perfect cleaning results

Depending on the cleaning job, Raca International has just the right cleaning chemicals. From alkaline to acidic, all of our cleaning concentrates have been tested.



Technical data / available models

| | 300F | 500F | 600F | 800F |
|--|-----------------|-----------------|-----------------|-----------------|
| Ultrasonic frequency (kHz) | 25 / 45 | 25 / 45 | 25 / 45 | 25 / 45 |
| Tank labour capacity (l) | 22,0 | 42,0 | 45,0 | 70,0 |
| Max. tank capacity (l) | 30,0 | 50,0 | 58,0 | 83,0 |
| Ultrasonic power effective - Normal, Pulse (W) | 480 | 480 | 800 / 900 | 900 / 1000 |
| Ultrasonic power effective - Dynamic (W) | 600 | 600 | 1000 | 1000 |
| Heating power (W) | 1400 | 1400 | 1400 | 4200 |
| Unit external dimensions W/D/H (mm) | 500 / 550 / 936 | 500 / 550 / 936 | 670 / 580 / 936 | 670 / 580 / 936 |
| Tank internal dimensions W/D/H (mm) | 300 / 300 / 300 | 300 / 300 / 500 | 500 / 330 / 350 | 500 / 330 / 500 |
| Max. basket loading (kg) | 12,0 | 12,0 | 25,0 | 40,0 |
| Basket internal dimensions W/D/H (mm) | 255 / 230 / 170 | 255 / 230 / 170 | 400 / 255 / 220 | 400 / 255 / 370 |
| Weight (kg) | 50,0 | 54,0 | 61,0 | 66,0 |

| | 1400F | 1600F | 1990F | 2500F |
|--|-----------------|-----------------|-----------------|------------------|
| Ultrasonic frequency (kHz) | 25 / 45 | 25 / 45 | 25 / 45 | 25 / 45 |
| Tank labour capacity (l) | 97,0 | 133,0 | 134,0 | 215,0 |
| Max. tank capacity (l) | 126,0 | 162,0 | 187,0 | 255,0 |
| Ultrasonic power effective - Normal, Pulse (W) | 1440 | 1600 / 1800 | 1000 | 1600 / 1800 |
| Ultrasonic power effective - Dynamic (W) | 1800 | 2000 | - | 2000 |
| Heating power (W) | 5000 | 7500 | 2300 | 7500 |
| Unit external dimensions W/D/H (mm) | 885 / 850 / 936 | 885 / 850 / 936 | 610 / 900 / 940 | 1035 / 900 / 936 |
| Tank internal dimensions W/D/H (mm) | 600 / 600 / 350 | 600 / 600 / 450 | 410 / 650 / 720 | 750 / 650 / 520 |
| Max. basket loading (kg) | 50,0 | 50,0 | 40,0 | 50,0 |
| Basket internal dimensions W/D/H (mm) | 490 / 525 / 210 | 480 / 525 / 300 | 360 / 560 / 240 | 630 / 575 / 370 |
| Weight (kg) | 87,0 | 95,0 | 75,0 | 109,0 |



Raca International BV
Arnoudstraat 22
2182 DZ Hillegom
The Netherlands

W www.spraydryingnozzles.com
E info@raca.nl
T +31 (0)252 - 22 70 70
F +31 (0)252 - 53 39 22