

Raca International BV

Your Spray Drying Nozzle Specialist

Ultrasonic
Fyrtex F

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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

Ultrasonic Fyrtex F

Model	300F	500F	600F	800F	1400F	1600F	2500F
Item no.	UL300F	UL500F	UL600F	UL800F	UL1400F	UL1600F	UL2500F
Price	€ 2.990,00	€ 3.390,00	€ 3.790,00	€ 4.590,00	€ 5.590,00	€ 7.090,00	€ 9.690,00

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.

Application examples before and after cleaning

Motor parts



Removal of oxidation and other contaminants

Gear wheel



Removal of grease and silicone

The strong ultrasonic alternative for spray cleaning and solvent cleaning



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.

Technical data

Model	300F	500F	600F	800F	1400F	1600F	2500F
Mechanical data							
Max. volume of trough (L)	30	50	58	83	126	162	255
Working volume of trough (L)	22	42	45	70	97	133	215
Internal dimensions of trough W x D x H (approximate in mm)	300x300x300	300x300x500	500x330x350	500x330x500	600x600x350	600x600x450	750x650x520
External dimensions of device W x D x H (approximate in mm)	500x550x936	500x550x936	670x580x936	670x580x936	885x850x936	885x850x936	1035x900x936
Weight (kg)	50	54	61	66	87	95	109
Max. basket loading (kg)	12	12	25	40	50	50	50
Ball valve (")	3/4	3/4	3/4	3/4	1	1	1
Electrical data							
Mains voltage (VAC)	230-240	230-240	3x400 V/N/PE 50Hz	3x400 V/N/PE 50Hz	3x400 V/N/PE 50Hz	3x400 V/N/PE 50Hz	3x400 V/N/PE 50Hz
Ultrasound frequency (kHz)	25/45	25/45	25/45	25/45	25/45	25/45	25/45
Total power consumption (W)	2000	2000	3800	5200	6800	9500	9500
Effective ultrasound output (ultrasound/pulse/mode) (W)	480 (25/45 kHz)	480 (25/45 kHz)	800 (25 kHz) 900 (45 kHz)	900 (25 kHz) 1000 (45 kHz)	1440 (25/45 kHz)	1600 (25 kHz) 1800 (45 kHz)	1600 (25 kHz) 1800 (45 kHz)
Max. peak ultrasound output * (ultrasound/pulse/mode) (W)	1920 (25/45 kHz)	1920 (25/45 kHz)	3200 (25 kHz) 3600 (45 kHz)	3600 (25 kHz) 4000 (45 kHz)	5760 (25/45 kHz)	6400 (25 kHz) 7200 (45 kHz)	6400 (25 kHz) 7200 (45 kHz)
Effective ultrasound output (dynamic mode) (W)	600	600	1000	1000	1800	2000	2000
Max. peak ultrasound output * (dynamic mode) (W)	2400	2400	4000	4000	7200	8000	8000
Heating power (W)	1400	1400	2800	4200	5000	7500	7500
* Due to the signal shape, four times the value results for the maximum peak value of ultrasound output							
Noise level							
Sound pressure level (LpAU)***	<80 dB *** Measured sound pressure level with basket and cover at a distance of 1 meter						
Ultrasound level (LpZ)***	<110 dB *** Measured sound pressure level with basket and cover at a distance of 1 meter						

Accessoires

Fyrtex F	300F	500F	600F	800F	1400F	1600F	2500F
Stainless steel basket (W x D x H mm): Mesh (mm): Item no.	255x230x170 10x10x1,6 B300F	255x230x370 10x10x1,6 B500F	5400x255x220 10x10x1,6 B600F	400x255x370 10x10x1,6 B800F	490x525x210 10x10x1,6 B1400F	480x525x300 10x10x1,6 B1600F	630x575x370 10x10x1,6 B2500F
Price	€ 205,00	€ 275,00	€ 285,00	€ 345,00	€ 345,00	€ 365,00	€ 440,00
Sound protection cover Item no.	300x300x300	300x300x500	500x330x350	500x330x500	600x600x350	600x600x450	750x650x520
Price	€ 295,00	€ 295,00	€ 315,00	€ 315,00	€ 425,00	€ 425,00	€ 465,00
All prices are ex-works excluding external packaging and value added tax. Price changes and misprints reserved							



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



Hinged covers with noise protection



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