



Ultrasonic disintegrators, stand fixed, UP200S and UP400S



UP200S (13171343)

Suited for sample volumes from 0.1mL to 1,000mL and is ideal for the sonication of very small samples in medical or biological laboratories up to bigger samples in the chemical or environmental range. It is effective in the homogenising, dispersing, extracting, degassing or in the breaking down of cells. In addition, the UP200S can be used to enable, enhance or speed up chemical reactions (sonochemistry). It is also used for the production of smaller quantities, mostly in continuous flow with the use of flow cells and the appropriate sonotrode. The 40mm sonotrode transmits the ultrasound smoothly across a relatively large surface and it is therefore suited to support wet sieving processes using very fine mesh sizes.

UP400S (13181343)

Suited for sample volumes from 5mL to 2,000mL and is ideal for liquid treatment methods, such as homogenising, dispersing, extracting and degassing and for the breaking down of cells. It is suited for the practical process development in the laboratory but also technical colleges as well as production of small quantities.

As an option, the units can be equipped or retrofitted with a PC control package. This PC control gives automation of the process parameters, such as amplitude, pulse, operating time or alternatively the actual energy input. It serves for the monitoring and recording of those parameters, too. It displays the following features in a time based table or diagram:

- Gross ultrasonic power
- Ultrasonic power is transmitted into the liquid medium
- Effective energy input
- Temperature (optional)

Technical Specification - Specific

	13171343	13181343
Power, W	200	400
Volume, mL	0.1 to 1,000	5 to 2,000
Dimensions [w x d x h], mm	200 x 90 x 200	200 x 130 x 190
Mass, kg	2.3	3.3

Technical Specification - General

Control	Amplitude 2 to 100
Range	0 to 100% (pulse)
Operating frequency, kHz	24
Electrical supply	230V, 50/60Hz

Catalogue No	Legacy No	Alt. No	
13171343	-	UP200S	
13181343	-	UP400S	

Probes for 13171343

Catalogue No	Legacy No	Alt. No	Diameter, mm	Length, mm	Volume, sample, mL
13151343	-	S2	2	100	2 to 50
10073534	-	S3	3	100	5 to 200
10093964	-	S7	7	100	20 to 500
10175874	-	S14	14	100	50 to 1,000
10207864	-	S40	40	100	50 to 1,000

Probes for 13181343

Catalogue No	Legacy No	Alt. No	Diameter, mm	Length, mm	Volume, sample, mL
10217984	-	H7	7	10	20 to 500

Accessories and spare parts

Catalogue No	Legacy No	Alt. No	Description
10758005	-	ST1-16	Stand
10420085	-	T1	Timer, 00:00 to 99:59 (min:s)
10608005	-	SB1-16	Sound protection box (reduces acoustic emission by up to 20dB(A) approx.)