

Art high speed homogenizers

- Scattering - Homogenizing - Emulsifying - Suspension - Disruption - Preparing of samples - to crumble - wet grinding - to mix.....
- High speed homogenizers for disruption of tissues, and in general for several disruption and homogenizing operations.
- Guaranty 5 years

26080 Homogenizer MICRA D-8

- Speed range from 10.500 up to 39.000 rpm.
- Speed with continuous regulation.
- Volume range from 0,1ml up to 20.000 ml.
- Power: 800 W.
- Weight: 1,35 Kg.
- Dimensions: 66x66x210 mm.
- Voltage: 230V-50/60 Hz.

26081 Homogenizer MICRA D-8SI

- Same characteristics that the model MICRA D-8 and extremely silence: 10dB

26030 Homogenizer MICRA D-13

- Speed range: from 8.000 up to 34.000 rpm.
- Speed with continuous regulation.
- Volume range: from 5.000ml up to 50.000 ml.
- Power: 1300 W.
- Weight: 1,85 Kg.
- Dimensions: 70x70x255 mm.
- Voltage: 230V-50/60 Hz.

26010 Homogenizer MICRA D-1 MINI

- Speed range: from 5.000 up to 35.000 rpm.
- Speed with continuous regulation.
- Volume range up to 500 ml.
- Power: 145 W.
- Weight: 1,35 Kg.
- Dimensions: 50x230 mm.
- Voltage: 230V-50/60 Hz.

26033 Homogenizer MICRA D-3 "BATTERY"

- Fixed speed : 18.000 rpm.
- Volume range up to 5.000 ml.
- Weight: 0,8 Kg.
- Dimensions: 66x66x225 mm.
- 12V Battery and charger.



Homogenizing groups

- For small volumes. Can be sterilized. Can be uses with all the homogenizers

26106 Rod group S20 – axel W20

- With teflon joint. Made of stainless steel V4A.

26105 Rod group DS 5/K for small volumes

- Volume range from 0,1 up to 10 ml.
- Inset Maximum/minimum: 50/5 mm.
- Initial particles size: 3mm (hard 0,5 mm).

26108 Disruption group DS-8/P

- Volume range from 1 up to 100 ml.
- Inset maximum/minimum: 90/20 mm.
- Initial particles size: 10 mm (hard 3,5mm).

26109 Disruption group DS-10/KS

- In adjustable plastic tube.
- Disposable plastic.
- Volume range from 5 up to 10 ml.



Accessories: Support, clamps

Ask us for ART Homogenizers general catalogue.

Homogenizing groups (Estator-Rotor)

- Can be sterilized.
- Flexible system, can be adapted to all ART equipment.
- Quick system to change rotor / estator.

26120 DS-20/PG group

- Rotor for solids or in liquids.
- Volume range from 100 up to 5.000 ml.
- Hard samples up to thickness 8 mm.

26122 DS-20/PF group

- Rotor for solids or in liquids.
- Volume range from 100 up to 5.000 ml.
- Hard samples up to thickness 1,5 mm.

26124 DS-20/PG SmR group

- Rotor for fibrous material (cutter).
- Volume range from 100 up to 5.000 ml.
- Fibrous/soft samples up to 100 mm .

26220 DS-20/PF SmR group

- Rotor for fibrous material (cutter).
- Volume range from 100 up to 3.000 ml.
- Fibrous /soft samples up to 50 mm.

26222 DS-20/PG MiR group

- Rotor for disruption.
- Volume range from 100 up to 5.000 ml.
- Hard samples up to 8 mm.

26224 DS-20/PF MiR group

- Rotor for disruption.
- Volume range from 100 up to 5.000 ml.
- Hard samples up to 1,5 mm.

26228 DS-20/PF EmiR group

- Rotor for emulsifying in fluids.
- Volume range from 100 up to 3.000 ml.
- Hard samples up to 1,5mm/ soft samples up to 50 mm.

26230 DS-30/PG group

- Rotor for solids or in liquid.
- Volume from 250 up to 10.000 ml.
- Hard samples up to 12 mm.

26232 DS-30/PF group

- Rotor for solids or in liquid.
- Volume range from 250 up to 8.000 ml.
- Hard samples up to 1,5 mm.

26240 DS-30/PG SmR group

- Rotor for fibrous material (cutter).
- Volume from 250 up to 10.000 ml.
- Fibrous samples up to 150 mm (hard 12 mm).

26242 DS-30/PF SmR group

- Rotor for fibrous material (cutter).
- Volume range from 250 up to 8.000 ml.
- Fibrous samples up to 100mm (hard 1,5 mm).

26252 DS-30/PG MiR group

- Rotor for disruption.
- Volume range from 250 up to 10.000 ml.
- Hard samples up to 12 mm.

26254 DS-30/PF MiR group

- Rotor for disruption
- Volume range from 250 up to 8.000 ml.
- Hard samples up to 1,5 mm.

Ask us for ART Homogenizers general catalogue



Ultrasonic homogenizers

Ultrasonic homogenizers SONOPULS

- For homogenizing of samples, disruption of cells, bacteria, virus and tissues, DNA chains broken down, release of enzymes,...
- Production of thin and stable emulsions, degassing of liquids, acceleration of chemical reactions, homogenizing of residual samples, dispersion of agglomerate,...
- Electronic control of the ultrasonic generator.

20701 SONOPULS HD 2070

- For volumes from 50 ml to 200 ml.
- Possibility of working directly in microtubes.
- Can be used with 2, 3, 6 and 13 mm titanium tips.
- Timer from 1 seg. up to 99 min.
- Processing frequency: 20 kHz.
- Electronic control and digital display for:
 - Adjustable amplitude within a range from 10 to 100% with reproducible results
 - Timer.
 - Process memory 10-100%.
- Complet equipment composed by:
 - GM 2070 generator
 - UW 2070 ultrasound converter
 - SH70G standard horn
 - MS73 titanium microtips of Ø 3 mm for volume range from 100 ml. up to 50 ml.
- Generator dimensions: 257x180x115 mm.
- Weight: 3,5 Kg.
- Power: 70 W.



22001 SONOPULS HD 2200

- For volumes from 50 ml to 1000ml.
- Can be used with 2, 3, 6, 13, 19 and 25 mm titanium tips.
- Timer from 1 seg. to 99 minutos.
- Processing frequency: 20 kHz.
- Electronic control and digital display for:
 - Adjustable amplitude within a range from 10 to 100% with reproducible results.
 - Timer
 - Process memory 10-100%
- Complet equipment composed by:
 - GM 2200 generator.
 - UW 2200 ultrasound converter.
 - SH213G standard horn.
 - TT13 titanium microtip of Ø 13 mm for volume ranges from 5 ml to 900 ml.
- Generator dimensions: 257x180x115 mm
- Weight: 3,5 Kg
- Power: 200 W.



Homogeneizadores por ultrasonidos

Ultrasonic homogenizers

Ultrasound homogenizers: accessories

Accessories:

Titanium tips

- Made of titanium TI-6Al-4V.
- Thermoresistant and autoclavables.



Code	Tip Model	Diameter	Lenght	Volume		Ø minimum Vessel diameter	Price
				HD 2070	HD2200		
20772	MS72	2 mm	191 mm	1 ml-25 ml	2 ml-30 ml	4 mm	
20773	MS73	3 mm	175 mm	2 ml-50 ml	5 ml-90 ml	6 mm	
20776	KE76	6 mm	135 mm	5 ml-100 ml	10 ml-35 ml	8 mm	
22013	TT13	13 mm	3 mm	10 ml-200 ml	20 ml-900 ml	17 mm	
22025	TT25	25 mm	3 mm	—	30 ml-1000 ml	29 mm	

Indirect processing

20762 Accessory BB6 for indirect processing

- With high energy.
- No contamination, no aerosoling.
- For HD2200 homogenizer.
- Possibility of cooling with circulation thermostat (optional).

20763 Tube rack for 6 microtubes to be used in accessory BB6



● 20763



● HD 2200+20762+20763

Quartz tips

- An optional horn SK70GQ is required.
- To be used with HD2070 Homogenizer.

Support stands

20459 Support stand HG5 for Sonopuls

- With base plate.
- Rod and clamp.

20429 Sound proof box LS6

- Reducing noise level up to 20 dB.
- Height adjustable platform.

20416 Sound proof box LS4

- Reducing noise level up to 10 dB.

20418 Remote control for generator

- Foot switching.



● 20459



● 20429

Special Accessories:

Wide range of accessories: continuous flow cells, glass vessel with cooling jacket, for intensive circulation, for gas introduction, probes....