

Heidolph Homogenizers

SilentCrusher S

Speed range of 75,000 rpm

- Superior magnetic drive-less technology
- True maintenance free magnet coil drive
- Smooth operation as a result of no motor and no mechanical couplings
- Extremely low noise
- Drive unit perfect for clean room applications because there is no fan
- Simple to operate: homogenizer starts automatically as soon as the tool is placed in the drive unit
- Dispensing volumes from 0.8 to 10 ml
- Range of viscosity from 1 to 5,000 mPa s
- Small light-weight design: 0.8 kg
- Choice of 3 different tools from 3 mm to 7 mm ø
- Power consumption: 24 W
- Dimensions:
 - drive unit (dia. x h) in mm: ø 125 x 170
 - power supply unit (w x h x d) in mm: 106 x 30 x 65
- Supply voltage: 100-240 V, 47-63 Hz
- Protection class: IP 30
- Safe investment with Heidolph's 3 year warranty

SilentCrusher S
P/N 595-05000-00



SilentCrusher S – Tools

- Homogenizing and suspending of small samples
- High quality tools can be sterilized
- Tools are easy to attach and clean while changing samples
- All tools are made of stainless steel (AISI 316TI), tool attachments are made of PTFE to guarantee optimal chemical resistance
- Every tool comes with 10 replacement vessels as standard (material: polypropylene)

Type	Stator outer ø [mm]	Rotor ø [mm]	Slot width [mm]	Shaft length [mm]	Volume [ml]	Original particle size [ml]	Tip speed in water [m/s]	Application with	P/N Tool and 10 vessels	P/N Replacement vessels (100 pcs each)	
3 F	3.3	2	0.6	26	0.8 - 1.0	< 0.4	7.85	Eppendorf-vessel	596-03010-00	596-00003-00	①
5 F	5	3.2	0.6	38	2.0 - 4.0	< 0.4	11.8	Test tube	596-05010-00	596-00005-00	②
7 F	7	3.9	0.6	55	6.0 - 10.0	< 0.4	17.7	Test tube	596-07010-00	596-00007-00	③

Steam sterilization up to 130° C, hot air sterilization up to 180° C



Homogenizers

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