

Heidolph Homogenizers

About us

The Heidolph Group of Germany, founded 65 years ago, today employs about 400 people and serves customers in 80 countries worldwide.

Heidolph Instruments offers a modular system for solid & liquid phase reactions along with a comprehensive range of rotary evaporators featuring vacuum pumps and recirculating chillers, overhead stirrers, homogenizers, shakers and mixers, liquid pump systems and magnetic stirrers.

Heidolph Instruments is a leading trademark preferred by research and production facilities of chemical, pharmaceutical, petrochemical, cosmetic, biotechnological, medical industries and universities.

Heidolph products are designed and manufactured to deliver the highest quality available. Heidolph Instruments is DIN ISO 9001:2000 certified.

Heidolph Homogenizers – Scope of Applications

Your first choice for disruption of tissue in biotechnology, for sample preparation in medicine, for enzymatic treatment in food industry and various applications in pharmaceutical, cosmetic, paint & lacquer industry and in petrochemistry.

SilentCrusher M

Digital speed display

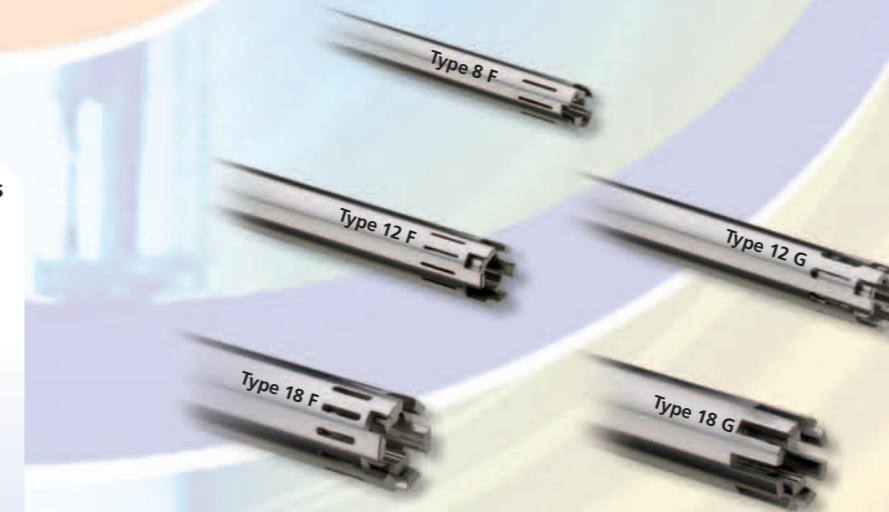
- Superior magnetic drive-less technology
- True maintenance free magnet coil drive
- Smooth operation as a result of no motor and no mechanical couplings
- Extremely low noise
- Drive unit perfect for clean room applications because there is no fan
- Speed range from 5,000 to 26,000 rpm
- Integrated rpm meter
- Dispersing volumes from 3 to 1,500 ml
- Range of viscosity from 1 to 5,000 mPa s
- Compact construction design, light weight: 1.0 kg
- Choice of 10 different tools from 8 mm to 18 mm Ø
- Power consumption: 130 W
- Dimensions:
drive unit (w x h x d) in mm: 90 x 174 x 90
power supply unit (w x h x d) in mm: 196 x 51 x 88
- Protection class: IP 30
- Supply voltage: 100-240 V, 47-63 Hz
- Safe investment with Heidolph's 3 year warranty



Research made easy

- Technical advice and after-sales service provided by our local Heidolph dealers
- 80 distributors world wide
- 24 hour service includes processing inquiries, quotes and technical assistance
- World wide reputation
- Immediate dispatch
- Cutting edge technology
- Priority technical service
- Excellent safety features
- 3 year warranty

Heidolph Homogenizers



SilentCrusher M – Tools

- 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)
- Replaceable PTFE bearings
- Dispersing tools come with teeth to crush into small pieces
- Sealed tools are suitable for applications under pressure or vacuum

Type	Stator outer Ø [mm]	Rotor Ø [mm]	Slot width [mm]	Shaft length [mm]	Volume [ml]	Original particle size [mm]	Tip speed in water [m/s]	P/N
8 F	8.2	6.6	0.6	80	3 - 50	< 0.4	9	596-08010-00
8 DF*	8.2	6.6	0.6	75	3 - 50	< 0.4	9	596-08110-00
12 F	12	9	0.6	120	25 - 250	< 2.0	12.2	596-12010-00
12 G	12	9	2.0	120	25 - 250	< 2.0	12.2	596-12020-00
12 DF*	12	9	0.6	115	25 - 250	< 2.0	12.2	596-12110-00
12 DG*	12	9	2.0	115	25 - 250	< 2.0	12.2	596-12120-00
18 F	18	12.5	1.5	180	100 - 1500	< 4.0	17	596-18010-00
18 G	18	12.5	3.0	180	100 - 1500	< 4.0	17	596-18020-00
18 DF*	18	12.5	1.5	175	100 - 1500	< 4.0	17	596-18110-00
18 DG*	18	12.5	3.0	175	100 - 1500	< 4.0	17	596-18120-00

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

* suitable for applications under pressure or vacuum (pressure 6 bar/vacuum 20 mbar)

SilentCrusher M – Accessories



Plate stand

P/N 570-17000-00

Dimensions

Footprint: 180 x 245 mm
Shaft: Ø 10 mm, Length: 500 mm
Weight: 1.6 kg



Cross sleeve

P/N 570-31100-00



Vessel holding bracket incl. 2 retainer rings

P/N 570-30100-00

for different vessels
dia. 20 - 105 mm