

D-160 Handheld Homogenizer

Features

- Ideal for manual operation due to its light weight and ergonomic design
- Processing range: 0.1-50mL or 1-250mL
- 316L stainless steel shafts are fully autoclavable and inert for highly corrosive solutions
- All shafts are interchangeable for easy dismantling and cleaning.
- Speed from 8,000 to 32,000 rpm



D-500 Homogenizer

Features

- Viscosity up to 10,000 mPas
- 6 modes of motor speed from 10,000 to 30,000 rpm
- All-round safety guarantee for motor drive, overload protection and smooth operation
- 316L stainless steel shafts are fully autoclavable and inert for highly corrosive solutions
- Easy dismantling for fast preparation
- All shafts are interchangeable for easy dismantling and cleaning



Specifications

	D-160	D-500
Power Supply	110-120V/60Hz 220-240V / 50-60 Hz	110-120V/60Hz 220-240V/50-60 Hz
Motor Type	160 W AC carbon brush motor	500 W AC carbon brush motor
Speed Range	8000-32000rpm	10000-30000rpm
Max. Circum. Speed	6.3-14m/sec	22.7-36m/sec
Speed Control	Dial knob 10 stage	Dial knob 6 stage
Working Volume [H ₂ O]	0.1-50mL (Dispersing shaft DS-160/5) 1-250mL (Dispersing shaft DS-160/10)	10-40000mL (Optional)
Max. Viscosity	5,000mPas	10,000 mPas
Material of Dispersing Shaft	SS 316L stainless steel, PTFE	SS 316L stainless steel, PTFE
Weight	0.54 kg	1.3 kg
Dimension [L x W x H]	45mm x 55mm x 190mm	70mm x 70mm x 255mm
Noise	72 dB(A)	79 dB(A)
Operating Environment	0-40°C, 85% rel. humidity	0-40°C, 85% rel. humidity
Protection Class	IP20	IP20

D-500

Homogenizer

DS-500/1

SS20CSR20

Volume 10-5000mL

Max. Circum. Speed 22.7m/sec

Material: 316L

Application: for solid/liquid media

Cat. No.

18201331



DS-500/2

SS20FER20

Volume 10-5000mL

Max. Circum. Speed 22.7m/sec

Material: 316L

Application: for water and oil mixing

Cat. No.

18201332



DS-500/5

SS5CSR5

Volume 10-5000mL

Max. Circum. Speed 5,8m/sec

Material: 316L

Application: Ideal for all homogenizing applications such as tissue homogenization, cell disruption, suspensions and clinical and medical diagnostics

Cat. No.

18900117



D-160

Handheld Homogenizer

DS-160/5

Volume 0.1-50ml

Max. Circum. Speed 6.3m/sec

Material: 316L

Application: small amounts of solid-liquid mixed

DS-160/10

Volume 1-250mL

Max. Circum. Speed 14m/sec

Material: 316L

Application: small amounts of solid-liquid mixed

Cat. No.

18900543



Cat. No.

18900544



Stator



S20C



S20F



S30C



S30F



S40C

Rotor



SR20



SR30



CR20



CR30



MR20



MR30



ER20



ER30



Combination

Cat. No.	Compatibility	Description of Shaft	Function	Applications	Treatable Volume (refer to water)
18900543	D-160		dispersing tool for solid/liquid media		0.1-50ml
18900544	D-160		dispersing tool for solid/liquid media		1-250ml
18900117	D-500	SS5CSR5	dispersing tool for solid/liquid media	Dispersing of tissue decomposition, clinical & medical diagnostics and suspensions	1-50ml
18900115	D-500	SS20CSR20	dispersing tools for solid/liquid media	Coarse crushing of hard solids in liquid	10-5000ml
18900116	D-500	SS20FER20	Dispersing tools for W/O or O/W emulsions	Emulsions, intensive mixing of w/o and o/w emulsions Dispersing of resins and pigments for paint and lacquer industry	10-5000ml
18900118/ 18900125	D-500	S20C CR20	dispersing tool with knives for fibrous/stringy materials	Fragmentation of vegetable, animal and human tissues	10-5000ml
18900118/ 18900127	D-500	S20C MR20	dispersing tool for solid/liquid media	Suspensions, intensive mixing	10-5000ml
18900119/ 18900125	D-500	S20F CR20	dispersing tool with knives for fibrous/stringy materials	Fragmentation of vegetable, animal and human tissues	10-5000ml
18900119/ 18900127	D-500	S20F MR20	dispersing tools for solid/liquid media	Emulsions, intensive mixing of w/o and o/w emulsions	10-5000ml
18900120/ 18900124	D-500	S30C SR30	dispersing tools for solid/liquid media	Coarse crushing of hard solids in liquid	100-8000ml
18900120/ 18900126	D-500	S30C CR30	dispersing tool with knives for fibrous/stringy materials	Fragmentation of vegetable, animal and human tissues	100-8000ml
18900120/ 18900128	D-500	S30C MR30	dispersing tools for solid/liquid media	Suspensions, intensive mixing	100-8000ml
18900121/ 18900124	D-500	S30F SR30	dispersing tools for solid/liquid media	Dispersing of resins and pigments for paint and lacquer industry	100-8000ml
18900121/ 18900130	D-500	S30F ER30	Dispersing tools for W/O or O/W emulsions	Emulsions, intensive mixing of w/o and o/w emulsions Dispersing of resins and pigments for paint and lacquer industry	100-8000ml
18900121/ 18900128	D-500	S30F MR30	dispersing tools for solid/liquid media	Emulsions, intensive mixing of w/o and o/w emulsions	100-8000ml
18900120/ 18900127	D-500	S30C MR20	Stirring Shaft	High speed mixing without crushing	250-20000ml
18900122/ 18900128	D-500	S40C MR30	Stirring Shaft	High speed mixing without crushing	1000-40000ml