

# Homogenizers

## 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.
- 6 modes of motor speed from 8,000 to 30,000 rpm



### Specifications

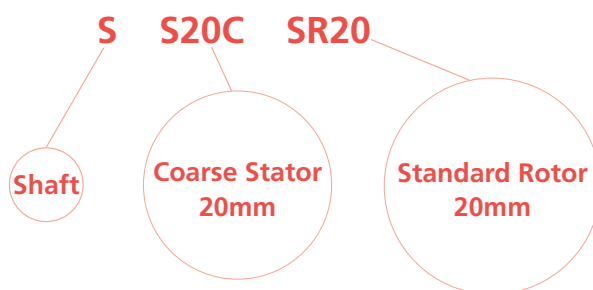
Power Supply	110-120V/60Hz 220-240V / 50-60 Hz
Motor Type	Universal motor AC carbon brush motor
Speed Range	8000-30000rpm
Max. Circum. Speed	6.3-14m/sec
Speed Control	Dial knob 6 stage
Working Volume [ H <sub>2</sub> O]	0.1-50mL (Dispersing shaft DS-160/5) 1-250mL (Dispersing shaft DS-160/10)
Max. Viscosity	5,000mPas
Material of Dispersing Shaft	SS 316L stainless steel, PTFE
Weight	0.6 kg
Dimension [L x W x H]	46mm x 55mm x 230mm
Noise	72 dB(A)
Operating Environment	0-40°C, 85% rel. humidity
Protection Class	IP20

## 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

	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	8000-30000rpm	10000-30000rpm
Max. Circum. Speed	6.3-14m/sec	22.7-36m/sec
Speed Control	6 stage	6 stage
Working Volume [ H <sub>2</sub> 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	0.6 kg	1.3 kg
Dimension [L x W x H]	46mm x 55mm x 230mm	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



# Homogenizers | Accessories

## D-500 Homogenizer

### DS-500/1

Volume 10-5000mL  
Max. Circum. Speed 22.7m/sec  
**Material:** 316L  
**Application:** for solid/liquid media

**Cat. No.**  
18201331



### DS-500/2

Volume 10-5000mL  
Max. Circum. Speed 22.7m/sec  
**Material:** 316L  
**Application:** for water and oil mixing

**Cat. No.**  
18201332



### DS-500/5

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 22.7m/sec  
**Material:** 316L  
**Application:** small amounts of solid-liquid mixed

**Cat. No.**  
18201329



**Cat. No.**  
18201330



### Stator



S20C



S20F



S30C



S30F



S40C

### Rotor



SR20



SR30



CR20



CR30



MR20



MR30



ER20



ER30

