

TRILOS Ultra-High Pressure Nano Homogenizer Specifications and Dimensions

Models

- Laboratory model ND100
- Pilot-scale production model ND500
- Industrial production model ND1000

Standard Features

Shell: 304 stainless steel shell with anticorrosive paint and TPU paint protection film

Interaction Chamber:

- Outside: 316 stainless steel
- Inside: Synthetic diamond

Motor:

- ND100: 150kg intensifier pump driven by 4kW, 220V motor
- ND500: 260kg intensifier pump driven by 22kW, 380V motor
- ND1000: 350kg intensifier pump driven by 30kW, 380V motor

Touchscreen: 10 inch digital touchscreen with PLC system

Fixation: Fixable leveling casters

TRILOS IoT Platform: It is available for the whole series of the UHP Nano Homogenizer.

Accessories

Charging hopper and water bath are optional.

Specifications

Model	ND100		ND500		ND1000	
Working Pressure	4000 bar/400 MPa	58,000 psi	4000 bar/400 MPa	58,000 psi	4000 bar/400 MPa	58,000 psi
Flow Rate	5 L/h	1.3 gal/h	60 L/h	15.9 gal/h	100 L/h	26.4 gal/h
Min. Input	50ml	1.7 fl oz	1000 ml	33.8 fl oz	5000 ml	169.1 fl oz / 1.3 gal
Max. Particle Size	≤ 300 μm		< 300 μm		< 300 μm	
Max. Visc.	≤ 3000 cp		< 10,000 cp		< 10,000 cp	
Max. Temp.	≤ 90°C	≤194°F	≤ 90°C	≤194°F	≤ 90°C	≤194°F
Dimensions (L×W×H)	650×650×1240 mm	25.6×25.6×48.8 in	960×700×1260 mm	37.8×27.6×49.6 in	1020×805×1280 mm	40.2×31.7×50.4 in



ND100



ND500



ND1000

TRILOS (Shanghai) Precision Machinery Co., Ltd.

Address: Tus-Caohejing (Zhongshan) Science Park, Zijing Park, No.85 Mingnan Road, Songjiang District, Shanghai, China

Website: <https://www.trilosgroup.com/en/> | Email: info@trilosgroup.com