



Main Technical Parameters of MDS-6G Closed Microwave Digestion/Extraction System

Power	220-240 VAC 50/60Hz 8A
Microwave frequency	2450MHz
Installed power	1800W
Maximum output power	1000W, non-pulse continuous automatic variable frequency control
Turntable design	Load 8 MP-100 closed digestion vessels at same time
Pressure measurement and control system	Piezoelectric crystal pressure sensor, pressure control range :0-10MPa (1500 psi), accuracy ± 0.01 MPa
Temperature measurement and control system	High-precision platinum resistor temperature sensor, temperature range :0-300°C, accuracy ± 1 °C
Outer vessel material	Explosion-proof outer vessel made of aerospace composite fiber
Inner vessel material	TFM material
Chamber exhaust system	High-power anticorrosion axial fan, exhaust speed: 3.1 m ³ /min
Operating ambient temperature	0-40 °C
Working environment humidity	15-80%RH
Whole physical size	450 x 515 x 510 mm (W x D x H)
Net weight:	40 KG

MDS-6G (SMART) Closed Microwave Digestion/Extraction System



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Standard 6-station or optional 8-station ultrastrength frame closed reaction vessel

8-station rotor MP-100 closed high-pressure reaction vessel:

Maximum Pressure:	15MPa(2250psi)
Maximum sustained temperature:	300 °C
Maximum working temperature:	250 °C
Inner vessel volume:	100ml
Outer vessel material:	ultrastrength aerospace composite fiber
Inner vessel material:	TFM (Modified PTFE)
Maximum batch capacity:	8 vessels



Application area

Food and drug (milk and dairy products, health food), cosmetics, agricultural and sideline products, aquatic products, biological tissues, various types of feed, energy and petrochemical, geology and mineral resources, environmental resources (air, water, soil), metals, alloys, ceramics, RoHS, medicine, domestic wastes.



Certificate No.1610/IN-IST-12



ISO9001: 2008 and UKAS certificate of quality system



GB Editorial Unit: the national standard of the People's Republic of China "GBT 26814-2011 microwave digestion device"

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Free lifetime warranty for magnetron-the core part of microwave digester
Won BCEIA Gold Award three times and have over 8000 users globally*