



MS-DMS



DMS638, DMS639



- Stirring mantles for round bottom flask
- Designed with stirring and heating at one body
- Accurate temperature control by PID auto-tuning function(Built-in timer)

- Control speed and temperature independently and separately
- Smooth start/stop function
- Max. temperature : 450°C
- Ceramic fiber with strong thermal resistance

Features

- ▶ Stirring mantle with built-in digital temperature controller
- ▶ Consist of magnetic stirrer and heating mantle on one body, control temperature and stirring concurrently, control temperature and stirring independently
- ▶ By use of the temperature controller with function of the built-in digital PID auto-tuning, control temperature accurately and confirm set temperature and actual temperature at the same time
- ▶ Temperature controller with function of the built-in timer(99hr59min)
- ▶ Maintain stirring speed accurately and uniformly by feedback control
- ▶ Smooth acceleration of stirring speed ensures no spillage.
- ▶ Inner mantle part of the heating element consists of soft glass fiber, protected from damage of the flask and excellent contact between the heating element and flask and heating effectiveness is excellent
- ▶ Ceramic fiber with strong thermal-resistance has excellent thermal insulation and double housing design (DMS631~DMS637) maintains low temperature of the mantle surface for user's safety
- ▶ With thermal resistance and durability bearing at the inner temperature over 450°C, strong aluminum housing and powder coating with corrosion-proof
- ※ External temperature sensor(Optional) for the control of the sample temperature and the precise experiment

General Specifications

- ▶ Heating Element Temperature : Up to 450°C max.
- ▶ Temp. Controller : Digital PID auto-tuning
- ▶ Timer : 99hr 59min
- ▶ Temp. Accuracy : $\pm 1^\circ\text{C}$ (on using external sensor)
- ▶ Sensor Probe : k Type
- ▶ Speed Control : Feedback control
- ▶ Speed Display : Scale(rpm)
- ▶ Stirring Speed : 100 ~ 1500 rpm
- ▶ Thermal Insulation : Ceramic fiber
- ▶ Material
 - └ Mantle : Powder coated aluminum case.
 - └ Body : Polypropylene.
- ▶ Support Rod Clamp : For 12.7mm dia. Support rods (with 100ml~5000ml)
- ▶ Support Rod : Stainless steel $\varnothing 12.7 \times 400\text{mm}$ (Option)
- ▶ Power Supply : 220V or 110V 50/60 Hz

Model	Capacity	Watts	Dimensions W x D x H(mm)	Internal (height : mm)	Weight (Kg)	Price
DMS 631	100ml	80	162×256×149	45	2.3	
DMS 632	250ml	150	162×256×162	60	2.4	
DMS 633	500ml	260	192×276×177	75	2.7	
DMS 634	1000ml	380	214×298×187	85	3	
DMS 635	2000ml	500	248×332×214	115	3.6	
DMS 636	3000ml	600	274×358×220	125	4.3	
DMS 637	5000ml	800	316×400×244	145	4.7	
DMS 638	10000ml	1300	390×470×300			
DMS 639	20000ml	2000	460×540×340			

Note : DMS 638, DMS 639 ⇒ Order made