

Compact Stirrer MAZELA Z-2100 • 2200 • 2300



Z-2100

Operation panel



Features

- Brushless 60W motor relized compact size and high torque stirre.
- Unique 2 step speed control is incorporated. Under the load less than maximum torque. the set rotation speed is maintained by fee back control.
- DC brushless motor prevents spark and eliminates troublesome maintenance.
- Safety features include thermal protector, current limit switch and independent power switch.

Specifications

Product Name	Compact Stirrer MAZELA		
Model	Z-2100	Z-2200	Z-2300
Cat.No.	120910	120920	120930
Rotation speed (rpm) at no load	20~1200	10~600	5~300
Max. Torque (N.m/rpm)	0.392/1200	0.784/600	1.57/300
(kgf•cm/rpm)	4/1200	8/600	16/300
Rotation speed control	Speed feed back control		
Rotation setting & Display	Volumr setting, Digital readout 4 digits		
Torque Display	% display against max. torque (20. 40. 60. 80.0 VER)		
Safety functions	Thermal protector, Current limit circuit, Chuck cover		
Additional functions	Slow up-down functions, Free clamp		
Motor & rated torque	Dc brushless motor 60W, 0.196N•m(2kgf•cm)/3000rpm		
Shaft diameter (mm)	Ø1~10		
Ambient temperature	5~35°C		
Overall dimensions (mm) & Weight	120W*245D*240H (393.5D: with Free clamp). 3.4kg		
Power source	AC100V•50/60Hz		
Input power	3A, 300VA		
Accessory	Stirrer shaft Ø8mmx495 (mm) L (SUS)*1, Propeller stirrer 3-bladed Ø50mm (SUS)*1, Universal Head clamp*1, Chuck handle*1, Fuse 3A*1		

Free-clamp mechanism



Equipped with free clamp mechanism which enables adjustment of main unit inclination by knob.Centering of stirring seal,stirring shaft and flask is easy.

Chuck cover



Chuck cover is equipped to prevent the hair from being wound up during rotation.(PAT)

Optional accessories



Stand base ZS Pole height 780mm
Cat.No. 158710
Stand base ZS-2 Pole height 1200mm
Cat.No.203190
Stirring shaft,Propeller Stirrer
Stirring seal TBO.

Related products of Stirrers

*Flexible Stirrer FS-1



Without moving the stirrer, stirring place can be moved. Stirring dangerous solvent in the draft is possible. Motor will not be influenced by heat even in case of stirring high temperature solvent.

Product name	Flexible stirrer
Type	FS-1
Cat.No.	123570
Max. rotation	8000rpm
Max.transmission torque	1.47N•m (15kgf•cm) (Straight)
Min. radius	150mm (Transmission Torque Max. 0.78N•m (8kgf•cm))
Chuck & shaft dia.	Drilled chuck. Ø1~Ø8mm
Flexible code length	1052mm
Ambient temp.	5~35°C
Overall dimesions	Ø2*1615Length (mm) (Max. OD37.1mm)
Net weight	2.6kg

*One touch coupling CW-1



- Chuck can easily be detached by one touch while stirring shaft is set to reaction container.
- The shaft is applicable from OD 6 to 10mm and one coupler covers all size.

Product name	One touch coupling
Type	CW-1
Cat.no.	123480
Overall dimensions	Total length 220mm (Shaft Ø8*125Hmm)
Accessories	Pressurized rubber*3 (ID 6•8•10*ODmm) Firm Clamp

*ZC Clamp



The arbor of the stirrer is firmly held and fixed to stand base.

Product name	ZC Clamp
Type	ZC
Cat.no.	124560

*Sub Stirrer SS-1



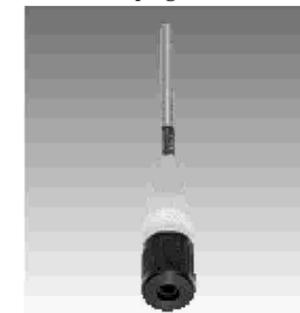
One stirrer enables 2 or 3 stirring simultaneously under the same condition. Container stirring and bath stirring in the same bath is possible.

Product name	Sub Stirrer	
Type	SS-1B	SS-1C
Cat.No.	145440	162980
Applicable model	Z-1000 series	Z-2000 series
Max. rotation	3000rpm	
Chuck & shaft dia.	Drilled chuck. Ø1~Ø8mm	
Main unit material	SUS304	
Ambient temp.	5~35°C	
Overall dimensions (mm)	Ø40*150H*300L, 1.8kg	
Weight	2.6kg	
Accessories	one stage puri*2, Belt 600mm*1, ZC clamp*1 Chuck handle*1	

*Puri

Type	one stage	SS-1B	SS-1C
Cat.No.	two stage	145450	162990
		145460	163000

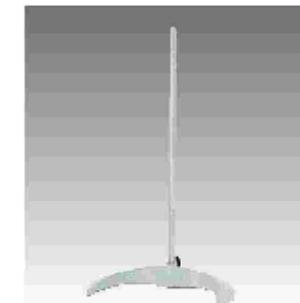
*Flexible Coupling CF-1



- It is a coupling exclusive for glass stirrer shaft. Due to it's flexibility, centering of the vessel or stirring seal(TBO) is easy.
- Glass shaft is firmly chucked by tuning the coupler.

Product name	Flexible coupling
Type	CF-1
Cat.No.	123490
Accessories	Pressurized rubber*3 (ID 6•8•10*OD 18mm)

*Stand base



The base supports stirrer firmly and a large volume container can be set up to stirrer.

Type	ZS	ZS-2	
Cat.No.	158710	203190	
Over all dimension (mm)	Base	450W*314D	
	Pole	0.D22*780H	0.D22*780H
Weight	Base/Pole	5/2.3kg	5/3.6kg