

Lab & Medical Equipment



Magnetic & Mechanic Stierer

BIOBASE®

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About Us

BIOBASE group, the professional manufacturer for Laboratory and Medical equipment.

During long term friendly bilateral cooperation relationship with customers, BIOBASE is always being trusted. The customers purchase BIOBASE made goods, at the mean time, more and more customers are willing to buy a variety of goods from BIOBASE.

In order to satisfy customers demand and ensure customers' benefit, BIOBASE made field trip to many suppliers in China, controlled the product quality strictly in stead of customers, as well as strived from the suppliers to get competitive pricing. Recently, BIOBASE has confirmed many OEM partners and will keep searching for more suppliers upon customers' request.

BIOBASE provide one-stop procurement solution which can not only reduce the resoucing cost, but also can ensure good quality and sufficient after-sale service.

In addition, any abroad strong manufacturer is welcomed to contact us, we can work together to open China market through BIOBASE China.



Stirrer

Hotplate Magnetic Stirrer

Features of BS-2H/3H:

- * Cast Aluminum with surface spraying plate.
- * Max. Temp.: 380°C, max. speed: 2000rpm.
- * Heating and stirring can proceed simultaneously.
- * Heating power and stirring speed is steplessly adjusted.



BS-2H



BS-3H

Features of BS-4H/4HC:

- * Ceramic plate.
- * PT100 sensor is standard for BS-4HC.
- * With the adjustable rack and stirrer bar.
- * Max. Temp.: 380°C, max. speed: 2000rpm.
- * Heating and stirring can proceed simultaneously.
- * Heating power and stirring speed is steplessly adjusted.
- * Enclosed hot plate with flame protection, fast warm-up and durability.



BS-4H



BS-4HC

Technical Parameters:

Model	BS-2H	BS-3H	BS-4H	BS-4HC
Work Plate Size	120*120mm	170*170mm	190*190mm	
Work Plate Material	Cast Aluminum with surface spraying		Ceramic	
Max. Stirring Capacity	2L	5L		
Speed Range	100~2000rpm		200~2000rpm	
Heating Temp.	380°C		350 °C	
Power Consumption	180W	500W	600W	
Power Supply	AC110/220V±10%, 50/60Hz			
Standard Accessory	Adjustable rack, stirrer bar; PT100 sensor (only for BS-4HC)			
External Size(W*D*H) mm	200*120*90	265*185*190	320*190*125	
Package Size(W*D*H) mm	250*180*120	280*210*220	390*240*230	
Net Weight(kg)	1.9	2.2	5	
Gross Weight(kg)	3	3.4	6	

Hotplate Magnetic Stirrer



MYP11-2



MYP11-2A



SH05-3G



X85-2



X85-2S

Technical Parameters:

Model	MYP11-2	MYP11-2A	SH05-3G	X85-2	X85-2S
Work Plate Size	φ145mm		φ175mm	φ145mm	
Work Plate Material	Aluminum alloy		Stainless steel	Aluminum alloy	
Max. Stirring Capacity	5L		10L	5L	
Motor Type	Brushless DC motor				
Motor Output	15W			10W	
Speed Range	50~1500rpm		0~1500rpm		
Digital Display	Speed, temperature, time			/	Speed
Control	Button	Knob + Button	Button	Knob	
Heating Output	600W		800W	600W	
Heating Temp. Range	RT~320℃		RT~250℃	RT+25~300℃	
Temp. Accuracy	±0.5℃		±1℃	/	
Timing Range	1~9999min		1~250min	/	
Power Supply	AC220V±10%, 50/60Hz				
External Size(W*D*H) mm	280*160*90		330*190*130	250*150*135	
Package Size(W*D*H) mm	380*300*190		430*330*230	350*290*240	
Gross Weight(kg)	4.5		7	6	

Hotplate Magnetic Stirrer



MS7-H550-Pro MS7-H550-S MS-H-Pro+ MS-H-Prot (with timer) MS-H-S MS-H280-Pro

Technical Parameters:

Model	MS7-H550-Pro	MS7-H550-S	MS-H-Pro+	MS-H-Prot	MS-H-S	MS-H280-Pro
Work Plate Size	184*184mm (7 inch)		φ135mm (5 inch)			
Work Plate Material	Glass ceramic		Stainless steel with ceramic coated			
Max. Stirring Capacity	20L	10L	20L			3L
Motor Type	Brushless DC motor	Shaded pole motor	Brushless DC motor			
Motor Input	18W	15W	18W			5W
Motor Output	10W	1.5W	10W			3W
Speed Range	100~1500rpm	0~1500 rpm	100~1500rpm		0~1500rpm	200~1500rpm
Speed Display	LCD	Scale	LCD		Scale	LED
Speed Display Accuracy	±1rpm	/	±1rpm		/	±1rpm
Heating Output	1000W		500W			
Heating Temp. Range	RT-550℃, increment 1℃	RT-550℃, increment 5℃	RT-340℃, increment 1℃		RT~340℃	RT-280℃, increment 1℃
Control Temp. Accuracy	±1℃(<100℃) ±1%(>100℃)	±10℃	±1℃(<100℃) ±1%(>100℃)		/	±1℃(<100℃) ±1%(>100℃)
Overheating Protection	580℃		420℃			320℃
Temp. Display	LCD	LED	LCD		Scale	LED
Display Temp. Accuracy	±0.1℃	±1℃	±0.1℃		/	±1℃
Timing Range	/			1~99h59min	/	
External Temp. Sensor	Optional PT1000				/	Optional PT1000
Max. Stirrer Bar Length	80mm					50mm
Interface	RS232	/	RS232		/	
Protection Type	IP21		IP42			IP21
Working Environment	5-40℃, 80%RH					
Power Consumption	1050W	1030W	550W		530W	515W
Power Supply	AC110/220V±10%, 50/60Hz					
External Size(W*D*H)	215*360*112mm		160*280*85mm			150*260*80mm
Package Size(W*D*H)	280*420*200mm		210*345*160mm			225*290*190mm
Gross Weight	6.5kg		3.5kg			2.5kg

Magnetic Stirrer



MS-S MS-PA MS-PB

Technical Parameters:

Model	MS-S	MS-PA	MS-PB
Work Plate Size	φ135mm (5 inch)		
Work Plate Material	Stainless steel with ceramic coated	Nylon + GF	
Max. Stirring Capacity	20L	3L	
Motor Type	Brushless DC motor		DC motor
Motor Input	18W	5W	
Motor Output	10W	3W	
Speed Range	0~1500rpm	200~1500rpm	0~1500rpm
Speed Display	Scale	LED	Scale
Max. Stirrer Bar Length	80mm	50mm	
Working Environment	5~40℃, 80%RH		
Protection Type	IP42		
Power Consumption	30W	15W	10W
Power Supply	AC110/220V±10%, 50/60Hz		
External Size(W*D*H)	160*280*85mm	150*260*80mm	
Package Size(W*D*H)	210*345*160mm	220*295*180mm	
Gross Weight	3kg	2kg	

Accessories:

		Stirrer bars and bar remover(PTFE), use below 150°C		
		Models		
		MS-H550-Pro MS-H550-S MS-H-Pro+ MS-H-Prot MS-H-S MS-S	MS-H280-Pro MS-PA MS-PB	MS-H-S10 MS-M-S10
Cat. No.	Size of magnetic bars (L*Ø) mm	Suitable for Max. magnetic bar 80mm	Suitable for Max. magnetic bar 50mm	Suitable for Max. magnetic bar 40mm
18900006	10*6	√	√	√
18900007	15*8	√	√	√
18900008	20*8	√	√	√
18900009	25*8	√	√	√
12500005	30*6	√	√	√
18900011	40*8	√	√	√
12500004	50*8	√	√	/
18900013	65*8	√	/	/
18900014	80*13	√	/	/
18900015	Magnetic bar remover, length of 200mm	√	√	√

					
Cat. No.	18900019	18900016	18900136	18900017	18900148
Descriptions	F101 protective cover, for hotplate models, temperature resistance of 135°C	PT1000-A, temperature sensor for digital hotplate models, length of 230mm	PT1000-B, temperature sensor with glass coated, length of 230mm, used for digital hotplate models	Support clamp of PT1000	Support clamp of PT1000, use with MS-H280-Pro
Model					
MS7-H550-Pro	/	√	√	√	/
MS7-H550-S	/	√	√	√	/
MS-H-Pro+	√	√	√	√	/
MS-H-Prot	√	√	√	√	/
MS-H-S	√	/	/	/	/
MS-H280-Pro	√	√	√	/	√

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Magnetic Stirrer



Technical Parameters:

Model	98-2	H03-A	85-1	85-2A	90-1	90-1B	96-1	H01-2
Work Plate Material	Stainless steel							
Max. Stirring Capacity	10L		3L	5L	20L		50L	
Motor Type	Brushless DC motor							
Speed Range	0~2000rpm		0~1500rpm	0~2000rpm	60~2000rpm		60~1400rpm	
Digital Display	/	Speed	/	/	/	Speed	/	Speed
Control	Knob							
Power Consumption	15W		8W	10W	40W		100W	
Power Supply	AC110/220V±10%, 50/60Hz							
External Size(W*D*H)mm	260*160*110	210*210*105	210*130*65	245*145*100	305*300*105		410*400*115	
Package Size(W*D*H)mm	450*300*250	400*400*250	400*250*200	380*300*220	510*430*250		550*550*220	
Gross Weight(kg)	8	7.5	5.5	7.5	10		20	

Multi-Position Magnetic Stirrer



Technical Parameters:

Model	MS-M-S10	MS-H-S10	84-1 (4 positions)	84-1 (6 positions)	524G	H01-1D
Work Plate Size	180*450mm		290*280mm	420*300mm	φ145mm	
Work Plate Material	Stainless steel with silicone film		Stainless steel		Aluminum alloy	Stainless steel
Max. Stirring Capacity	0.4L*10	0.4L*10	1.5L*4	1.5L*6	3L*4	3L*6
Motor Type	Brushless DC motor					
Speed Range	0~1100rpm		0~1500rpm			
Digital Display	/		Speed		Speed, Temp., Time	Temperature
Control	Scale		Knob		Button	Knob
Heating Output	/	470W	/		4*600W	6*360W
Heating Temp. Range	/	RT~120℃	/		RT~150℃	
Working Environment	5~40℃, 80%RH					
Power Supply	AC110/220V±10%, 50/60Hz		AC220V±10%, 50/60Hz			
External Size(W*D*H)	182*552*65mm		290*280*80mm	420*300*80mm	380*380*145mm	1005*230*130mm
Package Size(W*D*H)	250*710*165mm		540*350*180mm	670*360*180mm	520*520*240mm	1130*400*270mm
Gross Weight	7kg		8kg	11kg	22kg	35kg

Overhead Stirrer



OS40-S/OS20-S
LED Overhead Stirrer



OS40-S/OS20-S
with universal plate stand



OS40-Pro/OS20-Pro
LCD Overhead Stirrer



OS40-Pro/OS20-Pro
with universal plate stand

Technical Parameters:

Model	OS40-S	OS20-S	OS40-Pro	OS20-Pro
Max. Stirring Capacity	40L	20L	40L	20L
Motor Input	120W	60W	120W	60W
Motor Output	100W	50W	100W	50W
Speed Range	50~2200rpm			
Speed Display	LED		LCD	
Speed Display Accuracy	±3rpm			
Max. Torque	600mN.M	400mN.M	600mN.M	400mN.M
Torque Display	/ LCD			
Overload Protection	Visual alarm, motor automatic stop			
Max. Viscosity	50000mPas	10000mPas	50000mPas	10000mPas
Chuck Diameter Range	0.5~10mm			
Protection Type	IP21			
Working Environment	5~40℃, 80%RH			
Interface	/		RS232	
Power Consumption	130W	70W	130W	70W
Power Supply	AC110/220V±10%, 50/60Hz			
Standard Accessory	/		Universal plate stand 18900131, Propeller stirrer 18900071	
External Size(W*D*H)	83*186*220mm			
Package Size(W*D*H)	205*335*475mm		Main body & Propeller stirrer: 480*380*450 Universal pate stand: 800*360*130	
Gross Weight	5.5kg		Main body & Propeller stirrer: 6kg Universal pate stand: 8kg	

Optional Accessories:

Cat. No.	18900131	18900071	18900072
Descriptions	Universal plate stand (W*D: 20*31cm), including support holder (H: 78cm) and fixing device	Propeller stirrer, shaft length 40cm, stirrer diameter 5cm, 316L stainless steel Standard stirring element, used at medium and high speeds	Straight stirrer, shaft length 40cm, stirrer diameter 6cm, 316L stainless steel Suitable for mixing of low viscosity media, used at medium and high speeds
Cat. No.	18900073	18900074	18900075
Descriptions	Paddle stirrer, shaft length 40cm, stirrer diameter 6.8cm, 316L stainless steel Gentle processing samples, used at low and medium speeds	Centrifugal stirrer, shaft length 40cm, stirrer diameter 9cm, 316L stainless steel Blades open with increasing speed for stirring in a round vessel with a narrow neck, used at medium and high speeds	Propeller stirrer, shaft length 35cm, stirrer diameter 6.5cm, PTFE coated Standard stirring element, used at medium and high speeds
Cat. No.	18900076	18900077	18900078
Descriptions	Straight stirrer, shaft length 35cm, stirrer diameter 7cm, PTFE coated Suitable for mixing of low viscosity media, used at medium and high speeds	Paddle stirrer, shaft length 35cm, stirrer diameter 6.8cm, PTFE coated Gentle processing samples, used at low and medium speeds	Centrifugal stirrer, shaft length 35cm, stirrer diameter 8.5cm, PTFE coated Blades open with increasing speed for stirring in a round vessel with a narrow neck, used at medium and high speeds