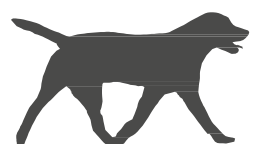




Magnetic stirrers

with heating



ARGO LAB



We are pleased to introduce the new line of scientific instrumentation. **ARGO LAB**
All these instruments have passed rigorous tests of quality and reliability that Giorgio Bormac applies on each new product.

The ISO 9001 certified manufacturer based in P.R.C., has agreed to make any modifications and improvements required by us.

With these premises we decided to use our brand: **ARGO LAB**

Argo is the name of our dog, an half-breed black Labrador, who, with his strength and loyalty gladdens our days in the office and at home.

For this reason we want these instruments become your faithful companions of the laboratory and reliable over time.

Magnetic stirrers with heating

340 °C – 1500 rpm

ArgoLab M2-A analogic



Stirrer M2-A

- Magnetic stirrers with new stirring technology, ideal for work without control
- Stainless steel hotplate
- Adjustable speed range
- Electronic control of the motor speed , constant speed even during the load changes
- Accurate control of the heating and safe temperature control
- High magnetic force, prevents blocking of the stirring and ensures that the "agitation" does not change due to external factors
- Automatic positioning of the stirring bar
- The external structure (IP42) and the brushless motor guarantee long life of the instrument
- Separate safety circuit, automatic safety limiter for temperature over 350 ° C

ArgoLab M2-D Pro digital



Stirrer M2-D Pro

- In addition to the characteristics of the model M2-A
- Microprocessor for accurate control of the functions
 - RS232 interface for external PC control.
 - Two adjustable safety circuits
 - Temperature sensors separated, protection level selectable
 - Temperature probe for control within the product in agitation (PT1000 optional)
 - Safety signal on the display, indicating the hot plate heat after turning off the heating of the stirrer
 - According to DIN 12878 for use with contact thermometers

ACCESSORIES



| Heating blocks for tubes | Part number |
|---|-------------|
| 4 positions Black - Hole Ø28 mm, depth 43 mm – Tubes 40 ml | 22002623 |
| 4 positions Blue - Hole Ø28 mm, depth 30 mm – Tubes 30 ml | 22002613 |
| 4 positions Purple - Hole Ø28 mm, depth 24 mm – Tubes 20 ml | 22002603 |
| 4 positions Gold - Hole Ø21,6 mm, depth 31,7 mm – Tubes 16 ml | 22002643 |
| 6 positions Green - Hole Ø17,8 mm, depth 26 mm – Tubes 8 ml | 22002633 |
| 11 positions Red - Hole Ø15,2 mm, depth 20 mm – Tubes 4 ml | 22002593 |
| Base unit for heating blocks | 22002583 |





| Technical data | | |
|--|----------------------------|----------------------------|
| | M2-A | M2-D Pro |
| Voltage - Frequency | 220V – 50/60Hz | 220V – 50/60Hz |
| Power consumption | 530W | 550W |
| Max stirring quantity (H ₂ O) | 20 liters | 20 liters |
| Max stirring bar length | 80 mm | 80 mm |
| Motor | Brushless | Brushless |
| Speed range | 0... 1.500 rpm | 0... 1.500 rpm |
| Speed display | Scale | LCD Display |
| Speed display accuracy | - | 1 rpm |
| Hotplate | Stainless steel | Stainless steel |
| Hotplate diameter | 135 mm | 135 mm |
| Heating power | 500 W | 500 W |
| Temperature range | RT - 340 °C | RT - 340 °C |
| Temperature display | Scale | LCD Display |
| Temperature control accuracy | - | 1 °C |
| Safety temperature range | - | 100... 420 °C |
| External temperature probe | - | PT1000 |
| Temperature control accuracy with external probe | - | 0,2 °C |
| Dimensions (W x D x H) | 280 x 160 x 65 mm | 280 x 160 x 65 mm |
| Weight | 2,8 kg | 2,8 kg |
| Working temperature | 5... 40 °C | 5... 40 °C |
| Working humidity max | 80% | 80% |
| IP protection class | IP42 (acc. to DIN EN60529) | IP42 (acc. to DIN EN60529) |
| RS232 interface | - | Yes |
| Part number | 22002013 | 22002063 |



Stirrer M2-D Pro with adjustable stand and PT 1000 probe



| Stand and protection cover | Part number |
|--|-----------------|
| Adjustable stand for PT1000 for M2-D Pro and M3-D | 22002523 |
| PT1000 probe, length 230 mm for M2-D Pro and M3-D | 22002513 |
| Protection cover in plastic material for M2-A and M2-D Pro | 22002533 |

| Stand for flasks | Part number |
|------------------|-----------------|
| 50 ml | 22002653 |
| 100 ml | 22002663 |
| 250 ml | 22002673 |
| 500 ml | 22002683 |



ArgoLab M3-D digital 550 °C – 1500 rpm

Glass ceramic square hotplate

- LCD display, with real time reading of temperature
- *Glass ceramic square hotplate white:*
Suitable for the observation of colors or color variations (for example during titration, etc.).
- Precise control of temperature and speed:
The applied control technology guarantees a great accuracy for temperature and speed.
- Residual heat warning:
A warning sign indicates the presence of residual heat after turning off the heating of the stirrer. The display shows "Hot" when the temperature of the plate exceeds 50 °C.
- Control system of the safe temperature :
In case of exceeding of the safety temperature, the system stops heating.



Stirrer M3-D with adjustable stand and PT 1000 probe

| Technical data | |
|--|----------------------------|
| | M3-D |
| Voltage - Frequency | 220V – 50/60Hz |
| Power consumption | 1.030W |
| Max stirring quantity (H ₂ O) | 10 liters |
| Max stirring bar length | 80 x 10 mm |
| Motor | Brushless |
| Speed range | 0... 1.500 rpm |
| Hotplate | Glass ceramic |
| Hotplate – Dimensions | 184 x 184 mm |
| Hotplate – Heating area | 176 x 176 mm |
| Heating power | 1.000 W |
| Temperature range | RT - 550 °C |
| Temperature display | LED Display |
| Temperature accuracy | ±1°C |
| External temperature probe | PT1000 |
| Temperature control accuracy with external probe | ± 1 °C |
| Warning sign for residual heat at | 50 °C |
| Dimensions (W x D x H) | 215 x 360 x 112 mm |
| Weight | 4,5 kg |
| Working temperature | 5...40 °C |
| Working humidity max | 80% |
| IP protection class | IP42 (acc. to DIN EN60529) |
| Part number | 22003013 |



Glass ceramic hotplate with high chemical resistance



Splash proof front panel

GUARANTEED BY:

GIORGIO·BORMAC
s.r.l.

DISTRIBUTED BY:



ISO 9001 Certified manufacturer

