



MAGNETIC STIRRERS “AGIMATIC” AND “AGIMAN”



A new generation design of stirrers at the forefront of technology

COMMON FEATURES

Unique functional design, with epoxy covered alloy case. Choice of stainless steel or ceramic top plate (model dependent). An internal case acts as a spill guard and insulator, made from AISI304 stainless steel. Tilted control panel for easy viewing with splash protection. Location hole at the back for a retort support rod, supplied as an accessory. Electronic speed control from 60 to 1600 r.p.m. and from 100 to 1600 r.p.m. for models “Agimatic Rev” with constant speed irrespective of liquid viscosity. Easy to service and to replace modular electronics. All heated models have a connection at the back to connect an electronic contact thermometer “Sensoterm II”, electronic controller “Electemp-TFT” or Pt100 temperature probe, model dependent. **Agimatic and Agiman exterior measures: Height 14.5, Width 19 and Depth 26 cm. Weight: 3.2 Kg.** All hotplates have a **safety over temperature cut out, set to the maximum working temperature.**

TECHNICAL SCHEMATICS OF DIFFERENT COMPONENTS

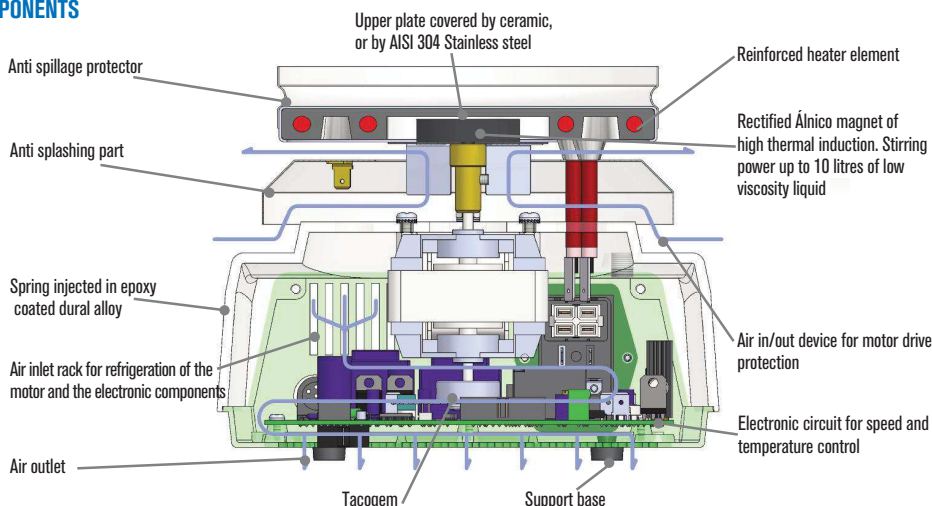
ICONS OF THE DIFFERENT TEMPERATURE REGULATION SYSTEMS AND OPTIMUM STIR CONDITIONS.



Electronic contact thermometer “Sensoterm II”



Temperature sensor Pt100



Magnetic Stirrers “Agimatic” and “Agiman” analogue control



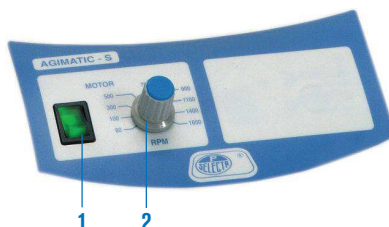
FOR SPEEDS FROM 60 TO 1600 rpm..
 MAXIMUM STIR VOLUME: 10 LITRES.
 PLATE MADE FROM AISI 304 STAINLESS STEEL WITH REMOVABLE SAFETY RING. PLATE Ø 14.5 cm.



“Agimatic-S” without heating

CONTROL PANEL

1. Mains switch illuminated.
2. Electronic stir speed control.



MODEL

Part No.	Maximum stir volume litres	Height/width/Depth (exterior) cm	Power W	Weight Kg
AGIMATIC-S 7000270	up to 10	14,5 19 26	90	3,5

Supplied with a PTFE coated stir bar of Ø 8 x 40 mm long.





“Agimatic-N” with heating

ELECTRONIC CONTROL OF SPEED AND POWER TO THE HEATER.

CONTROL PANEL

1. Switch on button with indicator lamp for heating and for stirring speed.
2. Electronic stir speed control.
3. Electronic heater energy control from 0-100%, synchronised with an indicator lamp that functions when the plate is hot.
4. Illuminated indicator when the heater is “on”.



MODEL

Part No.	Maximum stir volume litres	Height/width/Depth (exterior) cm	Power W	Weight Kg
AGIMATIC-N 7000271	up to 10	14,5 19 26	550	3,5

Supplied with a PTFE coated stir bar of Ø 8 x 40 mm long.

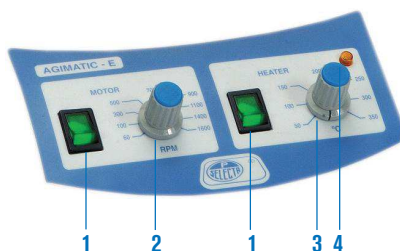


“Agimatic-E” with heating

ELECTRONIC TEMPERATURE CONTROL OF SPEED AND POWER TO THE HEATER.
FROM 50 °C TO 350 °C PRECISION ±2 °C.

CONTROL PANEL

1. Switch on button with indicator lamp for heating and for stirring speed.
2. Electronic stir speed control.
3. Electronic temperature control of the heater plate from 50 °C to 350 °C synchronised with an indicator lamp that functions when the plate is hot.
4. Illuminated heater indicator when the heater is “on”. Precision ±2 °C.



MODEL

Part No.	Maximum stir volume litres	Height/width/Depth (exterior) cm	Power W	Weight Kg
AGIMATIC-E 7000273	up to 10	14,5 19 26	550	3,5

Supplied with a PTFE coated stir bar of Ø 8 x 40 mm long.



Magnetic stirrer “Agiman”

ELECTRONIC CONTROL OF SPEED AND POWER TO THE HEATER.
WITH A MECHANISM FOR ATTACHING HEATING MANTLES.

CONTROL PANEL

- Switch on button with indicator lamp for heating and for stirring speed.
Electronic stir speed control.
Electronic heater energy control from 0-100%, synchronised with an indicator lamp that goes on when the mantle is hot.
Illuminated heater indicator when the mantle is “on”.

ACCESSORIES

Attachable heating mantle for the “Agiman” magnetic stirrer.

Part No.	Capacity flask ml	Power W
3000447	250	130
3000448	500	270
3000449	1000	410
3000450	2000	530

Complements for Agimatic-S-N-E and Agiman.
See accessories on page 31 and 32.

MODEL

Part No.	Maximum stir volume litres	Height/width/Depth (exterior) cm	Weight Kg
AGIMAN 7000272	up to 2	14,5 19 26	3,5

Supplied with a PTFE coated stir bar of Ø 10 x 32 mm long.





Magnetic Stirrers “Agimatic-ED” and “Agimatic-ED-C” digital control



FOR SPEEDS FROM 60 TO 1600 RPM.
 FOR ADJUSTABLE TEMPERATURES FROM 50 °C TO 350 °C (200 °C WITH EXTERNAL PROBE). PRECISION ± 2 °C.
 MAXIMUM STIR VOLUME: 10 LITRES.
 PLATE Ø IS 14,5 cm.
 WITH RENOVABLE SAFETY RING AGAINST SPILLAGE.



“Agimatic-ED” with heating

ELECTRONIC TEMPERATURE CONTROL OF SPEED AND POWER TO THE HEATER.

SILUMIN UPPER PLATE COVERED BY AISI 304 STAINLESS STEEL.

CONTROL PANEL

1. Digital display indicating stir speed or temperature.
 2. Push button, parameter selector, Stir speed or Temperature.
 3. Push button, increase parameter value.
 4. Push button, decrease parameter value.
 5. Indicator lamp, safety thermostat “on”
 6. Push button Stop-Start
- Precision ± 2 °C.



MODEL

Part No.	Maximum stir volume litres	Height/width/Depth (exterior) cm	Power W	Weight Kg
AGIMATIC-ED 7000280	up to 10	14,5 19 26	550	3,5

Supplied with a PTFE coated stir bar of Ø 8 x 40 mm long.



“Agimatic-ED-C” with heating

ELECTRONIC TEMPERATURE CONTROL OF SPEED AND POWER TO THE HEATER.

SILUMIN UPPER PLATE WITH CERAMIC SURFACE.

CONTROL PANEL

1. Digital display indicating stir speed or temperature.
 2. Push button, parameter selector, Stir speed or Temperature.
 3. Push button, increase parameter value.
 4. Push button, decrease parameter value.
 5. Indicator lamp, safety thermostat “on”
 6. Push button Stop-Start
- Precision ± 2 °C.



MODEL

Part No.	Maximum stir volume litres	Height/width/Depth (exterior) cm	Power W	Weight Kg
AGIMATIC-ED-C 7000281	up to 10	14,5 19 26	550	3,5

Supplied with a PTFE coated stir bar of Ø 8 x 40 mm long.



Ceramic surface:

- Excellent conductivity and heat distribution.
- Unalterable surface.
- Higher acceleration to reach temperature.
- Extreme resistance against chemical agents and scratches.



Complements for Agimatic-ED and Agimatic ED-C.
 See accessories on pages 31 and 32.

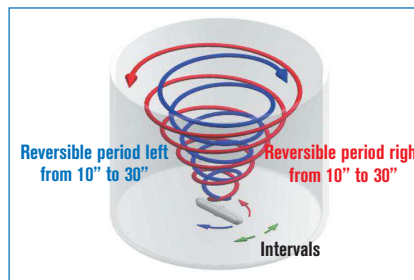


Reversible magnetic Stirrers “Agimatic-Rev-TFT” and “Agimatic-Rev-TFT-C”



Forefront technology with TFT touch screen

FOR SPEEDS FROM 100 TO 1600 rpm.
 FOR ADJUSTABLE TEMPERATURES FROM 30 °C TO 350 °C. PRECISION ± 2 °C.
 MAXIMUM STIR VOLUME: 10 LITRES. PLATE Ø IS 14,5 cm.
 MAGNETIC REVERSIBLE ACTION STIRRERS, WITH ADJUSTABLE TIME STIRRING PERIODS AND PRECISE SPEED CONTROL, PROVIDES THE FOLLOWING ADVANTAGES FOR REPEAT PROCESSES:
 A.- FASTER MIXING, REDUCED STIRRING TIME. B.- CONTROLLABLE VORTEX EFFECT. C.- QUICKLY ELIMINATES AIR FROM WITHIN THE SAMPLE MIXTURE, DEGASSING. D.- MINIMUM SPLASHING, NO LOSS OF SAMPLE.
 SELECT MOVEMENT FOR ONE DIRECTION OR REVERSE.
 ELECTRONIC CONTROL OF THE FREQUENCY INVERTING PERIOD, FROM 10-30 SECONDS.
 MEMORY UP TO 10 WORKING PROGRAMS. AUTOMATIC CYCLES UP TO 6 SEGMENTS WITH TEMPERATURE PROGRAMMING, RPM AND TIME.



“Agimatic-Rev-TFT” with heating

ELECTRONIC DIGITAL CONTROL OF STIR SPEED AND HEATER TEMPERATURE.
 WITH REMOVABLE SAFETY RING AGAINST SPILLAGE.

SILUMIN UPPER PLATE COVERED BY AISI 304 STAINLESS STEEL.

CONTROL PANEL

1. Probe position indicator.
2. rpm, temperature and time reading.
3. Start up.
4. Stop.
5. Settings.
6. Backward.
7. Increase/decrease parameters value.
8. Cursor.



MODEL

Part No.	Maximum stir volume litres	Height/width/Depth (exterior) cm	Power W	Weight Kg
Agimatic-Rev-TFT 7000837	up to 10	14,5 19 26	550	3,5

Supplied with a PTFE coated stir bar of Ø 8 x 40 mm long.



“Agimatic-Rev-TFT-C” with heating

ELECTRONIC DIGITAL CONTROL OF STIR SPEED AND HEATER TEMPERATURE.
 WITH REMOVABLE SAFETY RING AGAINST SPILLAGE.

SILUMIN UPPER PLATE WITH CERAMIC SURFACE.

CONTROL PANEL

1. Probe position indicator.
2. rpm, temperature and time reading.
3. Start up.
4. Stop.
5. Settings.
6. Backward.
7. Increase/decrease parameters value.
8. Cursor.



MODEL

Part No.	Maximum stir volume litres	Height/width/Depth (exterior) cm	Power W	Weight Kg
Agimatic-Rev-TFT-C 7000838	up to 10	14,5 19 26	550	3,5

Supplied with a PTFE coated stir bar of Ø 8 x 40 mm long.

Ceramic surface:

Excelent conductivity and heat distribution.
 Unalterable surface.
 Higher acceleration to reach temperature.
 Extreme resistance against chemical agents and scratches.



Complements for Agimatic-Rev-TFT and Rev-ED-C see accesories on pages 31 and 32.



Complete KIT stirrer Agimatic-ED with support rod and temperature sensor PT100. With heating

SUPPLIED COMPLETE WITH SUPPORT ROD, TEMPERATURE SENSOR PT100, CLAMP AND STIR BAR.
ELECTRONIC TEMPERATURE CONTROL OF SPEED AND POWER TO THE HEATER.

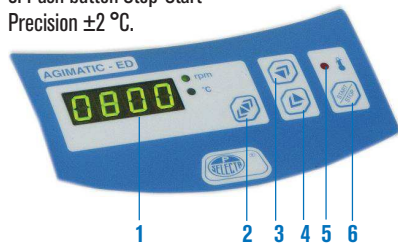
SILUMIN UPPER PLATE COVERED BY AISI 304 STAINLESS STEEL.

NEW



CONTROL PANEL

1. Digital display indicating stir speed or temperature.
 2. Push button, parameter selector, Stir speed or Temperature.
 3. Push button, increase parameter value.
 4. Push button, decrease parameter value.
 5. Indicator lamp, safety thermostat "on"
 6. Push button Stop-Start
- Precision ± 2 °C.



INCLUDED

Support rod with thread of 12 mm \varnothing x 500 mm high, stirrer dependent, attaches to the main body of the stirrer.

Temperature sensor Pt100. Controls the sample temperature in the digital hotplate stirrers. Immersion Probe: 4mm \varnothing x 130 mm long. Cable connector 150 cm long.

Clamp with bosshead, "AUTOMATIC" Chrome coated alloy with screw closure. For \varnothing from 0 to 25mm.



MODEL

	Part No.	Maximum stir volume litres	Height/width/Depth (exterior) cm	Power W	Weight Kg
KIT	7001512	up to 10	14,5 19 26	550	3,5

Supplied with a PTFE coated stir bar of \varnothing 8 x 40 mm long.



Magnetic stirrer "Agimicro" without heating

FEATURES

Maximum stir volume: 2 Litres.
Adjustable stir speed from 40 to 1400 r.p.m.
Durable moulded ABS plastic body.
Excellent chemical resistance.

MODEL

Part No.	Height cm	\varnothing Plate cm	Power W	Weight Kg
7001638	5	12	3	0.5

Comes complete with a 8 \varnothing x 32 mm P.T.F.E. coated stir bar.

CONTROL PANEL

Mains switch with luminous "on" indicator.
Analogue control of speed in r.p.m.

ACCESSORIES

Support bar and electro-clamp (1 of 13 and 2 of 16 mm \varnothing). Used with pH and conductivity meters. Part No. **7001639**



Powerful magnetic stirrer "Agimatic-H" without heating

FOR LOW VISCOSITY VOLUMES FROM 1 TO 60 LITRES.
USING REDUCED VOLUMES THE UNIT CAN STIR MEDIUM TO HIGH VISCOSITY LIQUIDS.

Maximum stirring power

FEATURES

Electronic speed control from 50 to 980 r.p.m., will maintain a constant stir speed irrespective of the liquid viscosity.
Digital speed display.
AISI 304 stainless steel top plate with an epoxy coated metal case.

MODEL

	Part No.	Speed control r.p.m.	Maximum stir volume in litres	Height/Width/Depth (exterior) cm	Power W	Weight Kg
AGIMATIC-HS	7001005	50 to 980	up to 25	12 28 34	35	8
AGIMATIC-HL	7001006	50 to 980	up to 60	14 44 38	40	12

Model HS comes complete with a 16 \varnothing x 127 mm stir bar and model HL with a 19 \varnothing x 150 mm stir bar.

CONTROL PANEL

Main switch with a luminous "on" indicator.
Electronic speed control.
Digital speed display in r.p.m.

