FALC

LABORATORY
EQUIPMENT

stirrers

2021

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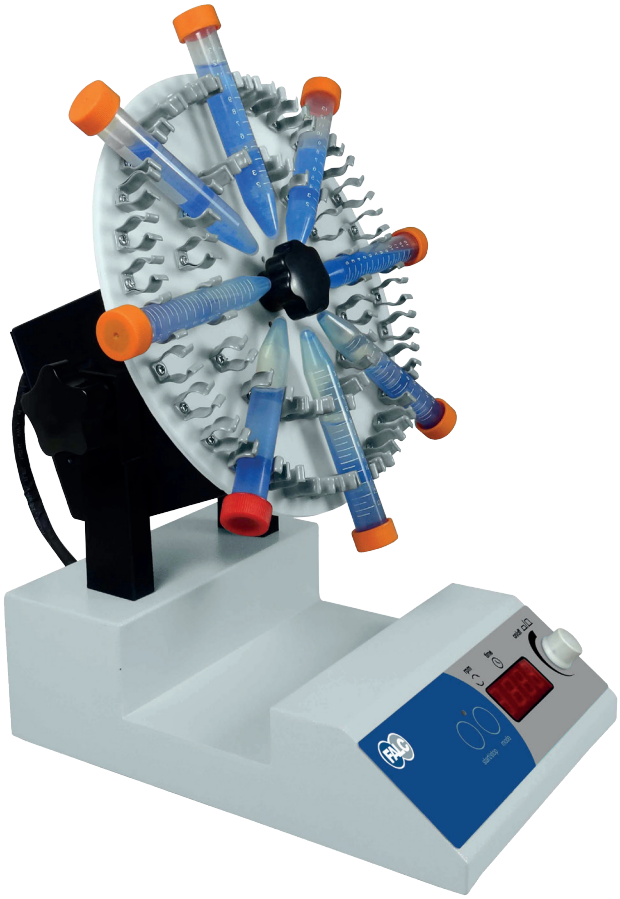

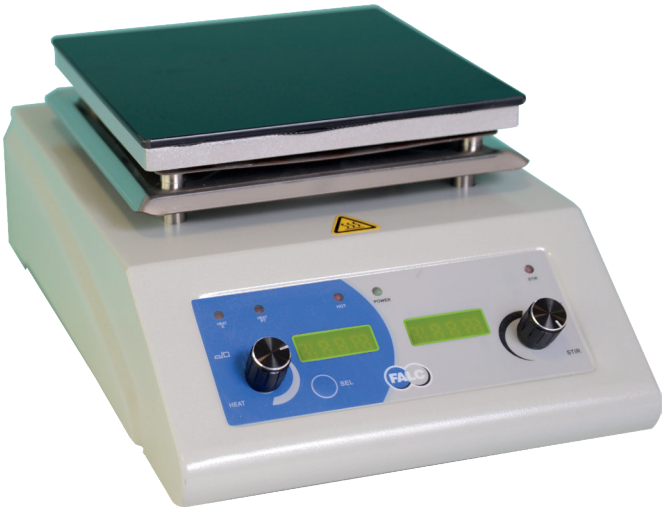

STIRRERS

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ELECTROMAGNETIC STIRRERS

Stirrers without heating

F20
SMALL VOLUMES

- Useful in the microbiological and biochemical fields
- The stainless steel plate facilitates cleaning and sterilization
- Electronic speed control DC motor

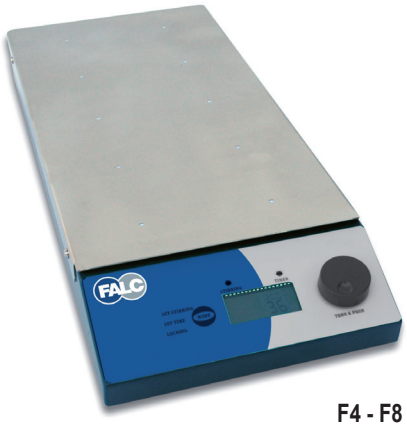
Technical data		F20
Stainless steel working surface LxD	mm	110x110
Max stirring capacity with H_2O	lt	2
Variable speed	Rpm	100-1100
Hole for rod	M 8	No
Motor power	W	10
Dimensions LxWxH	mm	110x115x60
Weight	kg	0,7
Stirring bar suggested Ø	mm	6x20
Code		**601.0101.20**

V/HZ 220/240-50/60	SAFETY CLASS 0	PROTECTION CLASS IP 41

ELECTROMAGNETIC STIRRERS

Multi-position stirrers

- Digital timer
- Plate in stainless steel (304). The stainless steel plate facilitates cleaning and sterilization.
- Case in stainless steel coated, painted in oven with epoxy powder antacid
- Displays simultaneous three function: speed, time and countdown
- Digital speed control DC motor

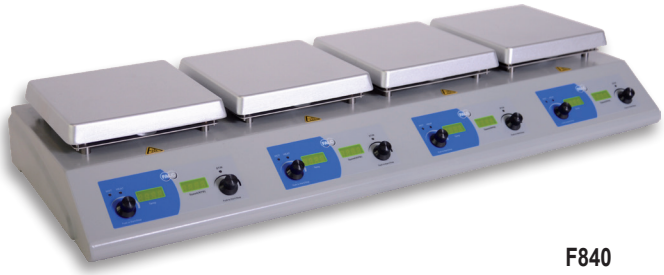


F4 - F8
WITHOUT HEATING

Technical data		F4	F8
Working plate	mm	205x205	205x410
Distance from stirring points	mm	100	100
Max stirring capacity with H_2O	lt	1x4	1x8
Timer	hh:mm	∞ o 99:59	∞ o 99:59
Variable speed	rpm	80÷1200	80÷1200
Motor Power	W	25	25
External dimensions LxWxH	mm	205x280x70	205x485x70
Weight	kg	2,0	4,0
Stirring bar suggested Ø	mm	6x20	6x20
Code		**601.0101.44**	**601.0101.49**

V/HZ 220/240-50/60	SAFETY CLASS 0	PROTECTION CLASS IP 40

- Indipendent digital heating and stirring control
- Aluminium plates for excellent temperature with anti-acid epoxy powder coating
  Metal structure painted with anti-acid epoxy powder coating
- Digital speed control DC motor
- Excellent for multi-use and wide range of sample testing
  Internal cooling fan to avoid overheating



F840
WITH HEATING

ACCESSORIES

18/8 Stainless steel rod Ø10x400 mm
Code 601.0125.01

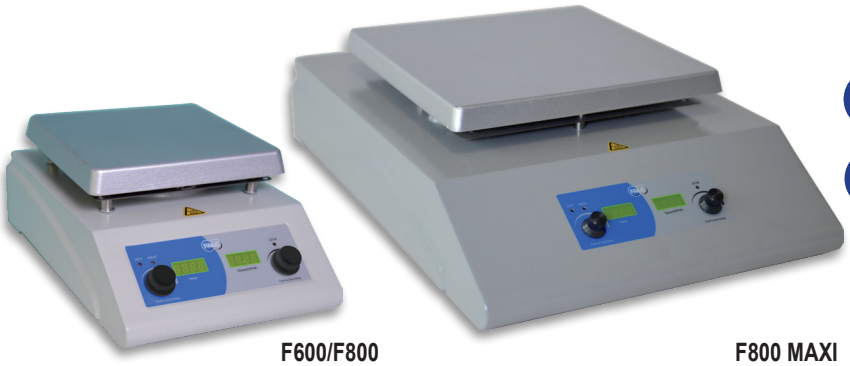
Kit for external probe
4 kit needed for F840
Code 601.0125.10 (Look at pag. 8)

Technical data		F840
Working plate	mm	(160x160)x4
Max stirring capacity with H_2O	lt	5 × 4
Variable speed	rpm	150-1500
Hole for rod		Yes
Plate temperature from	±°C	+5 amb to +400
Precision on the plate	±°C	±3
Precision with probe inserted	±°C	±1
Motor Power	W	12×4
Heating resistance power	W	750×4
Dimensions LxWxH	mm	770x310x160
Weight	kg	10
Stirring bar suggested Ø	mm	6x30
Code		**601.0122.95**

V/HZ 220/240-50/60	SAFETY CLASS 1	PROTECTION CLASS IP 41

ELECTROMAGNETIC STIRRERS

Hotplate Stirrers-Alluminium Top



F600/F800 F800 MAXI

- Digital temperature regulation by PT100 probe
- Aluminium plates for excellent temperature with anti-acid epoxy powder coating
  Metal structure painted with anti-acid epoxy powder coating
- Digital speed control
  DC motor
- Internal cooling fan to avoid overheating
  External probe port

ACCESSORIES

Kit for external probe
Code 601.0125.08 for F800
Code 601.0125.11 for F800 MAXI (Look at pag. 8)

Stainless steel 18/8 rod Ø10x400 mm
Code 601.0125.01 for F600

Technical data		F600	F800	F800 MAXI
Working plate	mm	160x160	160x160	250x250
Max stirring capacity with H_2O	lt	20	20	30
Variable speed	rpm	150-1500	150-1500	150-1500
Hole for rod	M8	yes	yes	yes
Thermometer connector		no	yes	yes
Plate temperature from	°C	+5 amb to +400	+5 amb to +400	+5 amb to +400
Precision on the plate	°C	±3	±3	±3
Precision with probe inserted	°C	-	±1	±1
Motor Power	W	12	12	20
Heating resistance power	W	750	750	1500
Dimensions LxWxH	mm	310x200x120	310x200x120	335x470x140
Weight	kg	4	4	12
Stirring bar suggested Ø	mm	6x30	6x30	6x30
Code		**601.0122.61**	**601.0122.81**	**601.0122.98**

** stirrer provided without the kit for external probe*

V/HZ 220/240-50/60	SAFETY CLASS 1	PROTECTION CLASS IP 41

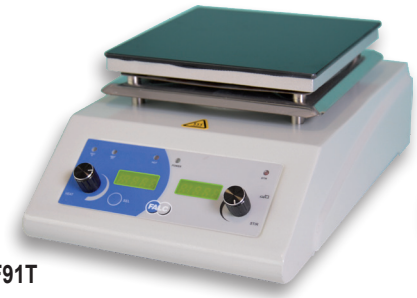
ELECTROMAGNETIC STIRRERS

Hotplate Stirrers High Temperature - Ceramic glass Top

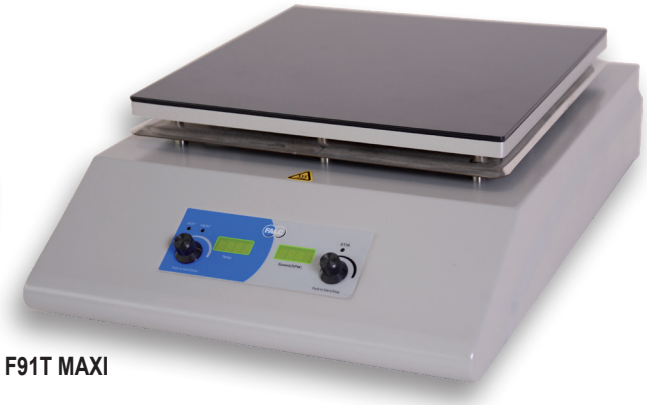
Digital temperature regulation
by PT100 probe

Metal structure painted
with anti-acid epoxy powder coating

Digital speed control
DC motor



F91T



F91T MAXI

ACCESSORIES

Kit for external probe
Code 601.0125.10 for F91T
Code 601.0125.11 for F91T MAXI (Look at pag. 8)

Technical data		F91T	F91T MAXI
Ceramic-glass plate	mm	160x160	300x300
Heating elements power	mm	120x120	250x250
Max stirring capacity	lt	15	20
Variable speed	rpm	150÷1500	150 ÷ 1500
Plate temperature	°C	+50 to +550	+50 to +550
Temperature controller		digital	digital
Risolution	°C	1	1
Precision with probe inserted	°C	± 1	± 1
External probe		yes*	yes*
Hole for rod	M8	yes	yes
Power	W	550	1500
External dimensions LxWxH	mm	220x240x145	335x470x145
Weight	kg	3,6	9,5
Stirring bar suggested Ø	mm	6x30	6x30
Code		**601.0122.93**	**601.0122.89**

** stirrer provided without the kit for external probe*

V/HZ 220/240-50/60	SAFETY CLASS 0	PROTECTION CLASS IP 40

ACCESSORIES

Kit F800 - F840 - F91T

Acoustic allarm
for low liquid

Kit for external probe
(clamp-rod-probe).
It allows you to direct control the
temperature in the liquid.
Display resolution: 0.1 °C
Code 601.0125.10

4 kit needed for F840

Kit F800 MAXI - F91T MAXI

Acoustic allarm
for low liquid

Kit for external probe for
(clamp-rod-probe).
It allows you to directly control
the temperature in the liquid.
• Maximum temperature: 200 °C
• Display Resolution: 0.1 °C

Codice 601.0125.11

STIRRING HEATING MANTLES

Stirring Heating mantles for flasks

- Ideal to heat and stir the liquid in the flask, at the same time or separately
- Heating elements are built in a single block of ceramic fiber
- Electronic temperature controller
- Electronic speed control DC motor

N.B.
The maximum temperature values refer to the calotte

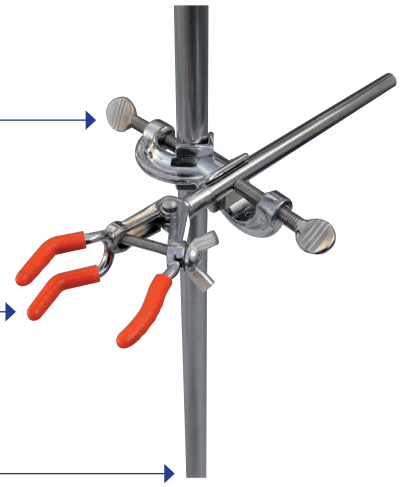
MF

Clamp included

Technical data		MF100	MF250	MF500	MF1000	MF2000
Flask	ml	100	250	500	1000	2000
Flask diameter	Ø mm	64	85	105	131	166
Temperature	°C	+350	+350	+350	+350	+350
Precision	°C	± 5	± 5	± 5	± 5	± 5
Heating res. capacity	W	130	180	250	450	600
External dimensions LxWxH	mm	185x175	205x190	245x210	245x210	310x230
Variable speed	rpm	100-2500	100-2500	100-2500	100-2500	100-2500
Motor Power	W	20	20	20	20	20
Weight	kg	2,6	2,8	3,3	3,7	6,6
Suggested stirring bar Ø	mm	6x20	6x20	6x20	6x20	6x20
Code		**625.0510.01**	**625.0510.02**	**625.0510.05**	**625.0510.10**	**625.0510 20**

V/HZ 220/240-50/60 | SAFETY CLASS 0 | PROTECTION CLASS IP 32

ACCESSORIES



Support for rod and clamp
Code 146.2900.05

Clamp
Code 180.4300.56

Stainless steel rod
Ø12x500 mm
Code 262.7450.05

MAGNETIC STIRRING BARS

Cylindrical magnetic stirring bars - PTFE

Code	Ø mm	length mm
601.0125.23	3	8
601.0125.24	3	13
601.0125.25	3	20
601.0125.26	6	10
601.0125.14	6	20
601.0125.15	6	30
601.0125.19	7	40
601.0125.16	8	40
601.0125.17	8	50
601.0125.18	9	60
601.0125.20	12	55
601.0125.21	13	70

Magnetic stirring bars with pivot - PTFE

Code	Ø mm	length mm
601.0125.23	3	8
601.0125.40	3	8
601.0125.41	4,5	12
601.0125.42	6	20
601.0125.43	6	30
601.0125.44	8	40
601.0125.45	8	50
601.0125.46	9	60

Egg-shaped magnetic stirring bars - PTFE

Code	Ø mm	length mm
601.0125.50	10	20
601.0125.51	12	25
601.0125.52	15	30
601.0125.53	15	35

Magnetic stirring bar retrievers - PTFE

Code	Ø mm	length mm
601.0125.12	8-10	300

Glass magnetic stirring bars

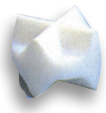
Code	Ø mm	length mm
601.0125.30	8	15
601.0125.31	8	20
601.0125.32	8	25
601.0125.33	8	30
601.0125.34	8	40
601.0125.36	8	55

Triangular magnetic stirring bars - PTFE

Code	Ø mm	length mm
601.0125.30	8	15
601.0125.55	8	12
601.0125.56	8	20
601.0125.57	8	25
601.0125.58	10	35
601.0125.59	12	50

Dubbell-shaped magnetic stirring bars - PTFE

Code	length mm
601.0125.62	37
601.0125.63	55



Star-shaped magnetic stirring bars - PTFE

Code	lHxØ mm
601.0125.66	8x10
601.0125.67	10x14
601.0125.68	13x17
601.0125.69	15x22

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FALC INSTRUMENTS s.r.l.

Via G. M. Compagnoni, 2
24047 Treviglio (BG) - Italy
+39 0363 304660 | falc@falcinstruments.it

WWW.FALCINSTRUMENTS.IT