

WATER BATHS



Selection Guide

GENERAL PURPOSE

	Product Description	Chamber Capacity Liters	Operating Temp Range °C	Temperature Control @37°	Temperature Uniformity	Page
<i>Wide Selection, Great Value!</i>	General Purpose Analog and Digital Aquabath™	2 to 44	Ambient to 100°C	±0.1°C	Analog ±0.2°C @37°C Digital ±0.24°C	346

ORBITAL SHAKING WATER BATHS

<i>MaxQ 7000 Easy Front Access Drain System!</i>	Analog and Digital Shakers	28	Ambient +5° to 65°C (90°C with optional cover)	±0.2°C	±0.1°C	349
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RECIPROCAL SHAKING WATER BATHS

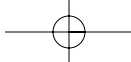
<i>Use as Shaking Water or Constant Temperature Bath!</i>	Microprocessor Temperature Control	20	Ambient +5° to 65°C (98°C with optional cover)	±0.1°C	±0.1°C	351
<i>Precise Temperature, Speed and Time Control!</i>	Digital Reciprocating Shakers	20	Ambient +5° to 65°C (98°C with optional cover)	±0.1°C	±0.1°C	350

MAGNETIC STIRRING WATER BATHS

<i>Six Independent Stirring Controls!</i>	Six-place Stirrer with Bath	28.4	Ambient +5° to 70°C	±0.1°C	±0.1°C	352
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Analog and Digital Baths

- Precise temperature control to 100°C
- Wide Selection and Great Value – Models from 2 to 44L, including shallow form
- Built-in Safety – Dual thermostats prevent overheating
- Simple Maintenance – Rounded stainless steel interiors and drain pumps

Product Description

- Aquabath general-purpose analog and digital water baths are available in a variety of sizes designed to meet your application needs.
- Hinged cover lifts to 90-degree stay-open position or can be removed completely.
- Unit's exterior remains cool to the touch to prevent accidental burns, even after extended use.
- Temperature resistant plastic rim fits over seamless stainless steel reservoir for a leak-free seal.
- Stainless-steel exterior shell resists corrosion and has a tough enamel coating that cleans easily.
- Rounded, seamless stainless steel reservoir and sample tray resist rust and contamination.
- Hinged clear acrylic gable cover has fins to protect hands from hot vapors.
- Drain pump with 10, 20, 28 and 5/10L models.
- 20L and 28L digital models have moveable temperature controllers that can be used on the long or short side of unit.
- All models include clear acrylic gable cover; stainless steel covers are available as an accessory.
- Heating elements will not burn out if unit accidentally runs dry.

Operation

- Temperature range from ambient to 100°C
- Independent high-limit thermostat provides over-temperature protection

Note: 44L baths do not include hinged cover, or temperature resistant rim.



General Purpose Digital Water Bath



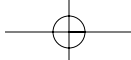
General Purpose Analog Water Bath

Digital Operating System

- PID control provides $\pm 0.24^\circ\text{C}$ uniformity, $\pm 0.5^\circ\text{C}$ stability, and $\pm 0.1^\circ\text{C}$ control at 37°C .
- Digital temperature set and readout selectable display, resolution of 0.1 degrees.
- Field calibratable.

Analog Operating System

- Analog baths offer easy-to-use analog control and hydraulic thermostat ideal for fixed set point applications
- Uniformity: $\pm 0.2^\circ\text{C}$ at 37°C .
- Models include sample tray, thermometer clip and non-hazardous-liquid partial immersion (76mm) thermometer (-10 to 110°C) (240V models do not include thermometer).



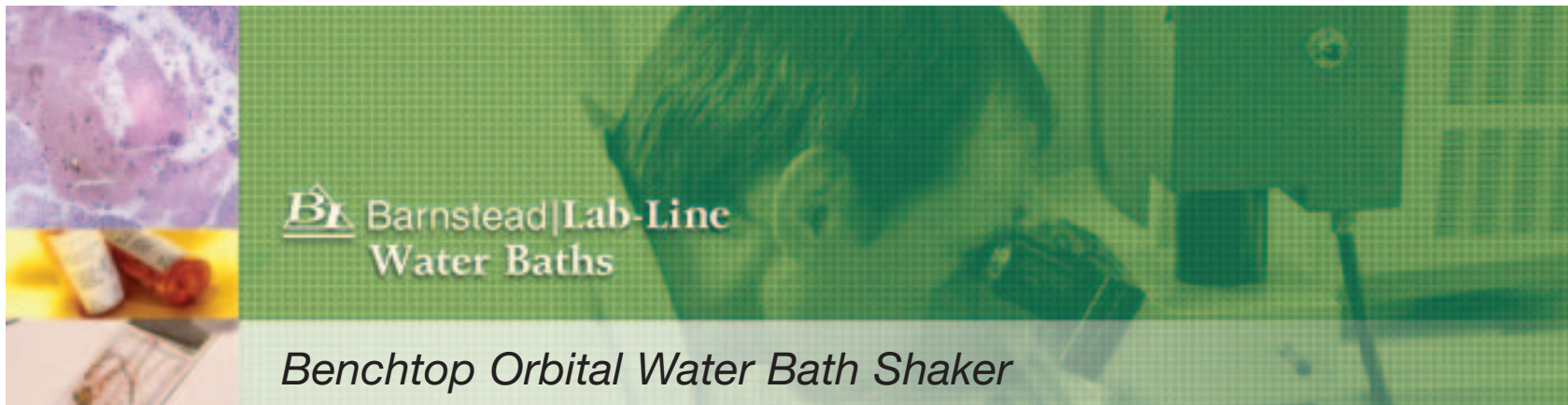
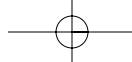
ORDERING INFORMATION

Model #	Electrical (50/60 Hz)		Chamber Capacity Liters	Overall Dimensions Inches (cm)			Overall Reservoir Dimensions Inches (cm)			Shipping Weight Lb. (kg)
	Volts	Watts		L	W	H	L	W	D	
Digital										
18052AQ ³	120	300	2	9.9 (25)	10.8 (27)	7.6 (19)	5.3 (13)	5.9 (15)	6 (15)	7 (3.3)
18052A-1CEQ ^{3,4}	230	300	2	9.9 (25)	10.8 (27)	7.6 (19)	5.3 (13)	5.9 (15)	6 (15)	7 (3.3)
18022AQ ³	120	300	2 Shallow	10.5 (27)	14.5 (37)	7.6 (19)	5.9 (15)	11.8 (30)	2.5 (6)	9 (4.0)
18022A-1CEQ ^{3,4}	230	300	2 Shallow	10.5 (27)	14.5 (37)	7.6 (19)	5.9 (15)	11.8 (30)	2.5 (6)	9 (4.0)
18002AQ ³	120	500	5	10.5 (27)	14.5 (37)	7.6 (19)	5.9 (15)	11.8 (30)	6 (15)	10 (4.5)
18002A-1CEQ ^{3,4}	230	500	5	10.5 (27)	14.5 (37)	7.6 (19)	5.9 (15)	11.8 (30)	6 (15)	10 (4.5)
18007AQ ³	120	500	10	16.4 (42)	15.4 (39)	8.9 (23)	12.9 (33)	11.8 (30)	6 (15)	16.5 (7.5)
18007A-1CEQ ^{3,4}	230	500	10	16.4 (42)	15.4 (39)	8.9 (23)	12.9 (33)	11.8 (30)	6 (15)	16.5 (7.5)
18802AQ ³	120	1000	5/10	16.4 (42)	24.2 (62)	8.9 (23)	11.8 (30)	5.9 (15)	6 (15)	24.5 (11.1)
							11.8 (30)	12.9 (33)	6 (15)	
18802A-1CEQ ^{3,4}	230	1000	5/10	16.4 (42)	24.2 (62)	8.9 (23)	11.8 (30)	5.9 (15)	6 (15)	24.5 (11.1)
							11.8 (30)	12.9 (33)	6 (15)	
18102AQ ³	120	1500	20	16.4 (42)	24.4 (62)	8.9 (23)	11.8 (30)	19.8 (50)	6 (15)	22.3 (10.1)
18102A-1CEQ ^{3,4}	230	1500	20	16.4 (42)	24.4 (62)	8.9 (23)	11.8 (30)	19.8 (50)	6 (15)	22.3 (10.1)
18902AQ ³	120	1000	28	16.4 (42)	24.4 (62)	10.9 (28)	11.7 (30)	19.7 (50)	8 (20)	26 (12)
18902A-1CEQ ^{3,4}	230	1000	28	16.4 (42)	24.4 (62)	10.9 (28)	11.7 (30)	19.7 (50)	8 (20)	26 (12)
18012Q ^{1, 2, 3}	120	1500	44	19.6 (50)	31.6 (80)	9 (23)	16 (41)	28 (71)	6 (15)	78 (35.4)
18012-1CEQ ^{1, 2, 3, 4}	230	1500	44	19.6 (50)	31.6 (80)	9 (23)	16 (41)	28 (71)	6 (15)	78 (35.4)
Analog										
18050AQ ³	120	300	2	9.9 (25)	10.8 (27)	7.6 (19)	5.3 (13)	5.9 (15)	6 (15)	7 (3.3)
18050A-1CEQ ^{3,4}	230	300	2	9.9 (25)	10.8 (27)	7.6 (19)	5.3 (13)	5.9 (15)	6 (15)	7 (3.3)
18020AQ ³	120	300	2 Shallow	10.5 (27)	14.5 (37)	7.6 (19)	5.9 (15)	11.8 (30)	2.5 (6)	9 (4.0)
18020A-1CEQ ^{3,4}	230	300	2 Shallow	10.5 (27)	14.5 (37)	7.6 (19)	5.9 (15)	11.8 (30)	2.5 (6)	9 (4.0)
18000AQ ³	120	500	5	10.5 (27)	14.5 (37)	7.6 (19)	5.9 (15)	11.8 (30)	6 (15)	10 (4.5)
18000A-1CEQ ^{3,4}	230	500	5	10.5 (27)	14.5 (37)	7.6 (19)	5.9 (15)	11.8 (30)	6 (15)	10 (4.5)
18005AQ ³	120	500	10	16.4 (42)	15.4 (39)	8.9 (23)	12.9 (33)	11.8 (30)	6 (15)	16.5 (7.5)
18005A-1CEQ ^{3,4}	230	500	10	16.4 (42)	15.4 (39)	8.9 (23)	12.9 (33)	11.8 (30)	6 (15)	16.5 (7.5)
18800AQ ³	120	1000	5/10	16.4 (42)	24.2 (62)	8.9 (23)	11.8 (30)	5.9 (15)	6 (15)	24.5 (11.1)
							11.8 (30)	12.9 (33)	6 (15)	
18800A-1CEQ ^{3,4}	230	1000	5/10	16.4 (42)	24.2 (62)	8.9 (23)	11.8 (30)	5.9 (15)	6 (15)	24.5 (11.1)
							11.8 (30)	12.9 (33)	6 (15)	
18100AQ ³	120	1500	20	16.4 (42)	24.2 (62)	8.9 (23)	11.8 (30)	19.8 (50)	6 (15)	22.3 (10.1)
18100A-1CEQ ^{3,4}	230	1500	20	16.4 (42)	24.2 (62)	8.9 (23)	11.8 (30)	19.8 (50)	6 (15)	22.3 (10.1)
18900AQ ³	120	1000	28	16.4 (42)	24.4 (62)	10.9 (28)	11.7 (30)	19.7 (50)	8 (20)	26 (12)
18900A-1CEQ ^{3,4}	230	1000	28	16.4 (42)	24.4 (62)	10.9 (28)	11.7 (30)	19.7 (50)	8 (20)	26 (12)
18010Q ^{1, 2, 3}	120	1500	44	19.6 (50)	31.6 (80)	9 (23)	16 (41)	28 (71)	6 (15)	78 (35.4)
18010-1Q ^{1, 2, 3}	230	1500	44	19.6 (50)	31.6 (80)	9 (23)	16 (41)	28 (71)	6 (15)	78 (35.4)

¹ UL, ² CUL, ³ CSA, ⁴ CE,

ACCESSORIES

Model #	Description
19000-11Q	Cover, 2 Liter Stainless Steel
19000-13Q	Cover, 2 Liter Shallow and 5 Liter Stainless Steel
19000-15Q	Cover, 10 Liter Stainless Steel
19000-17Q	Cover, 20 Liter and 28 Liter Stainless Steel



BK Barnstead|Lab-Line
Water Baths

Benchtop Orbital Water Bath Shaker

Max^Q™ 7000 Easy Front Access Drain System with Quick Disconnect!

- Digital model features low level water alarm to protect samples
- Optional gable covers available to minimize evaporation
- Choose between analog and digital operating systems
- 5 year warranty on parts and LIFETIME on drive mechanism

Product Description

- Easy access drain system with quick disconnect is located in the front of the cabinet for convenience in draining and disinfecting the system.
- Minimize splashing and turbulence in the chamber with twin baffles even at high speeds.
- Prevent heat loss and minimize evaporation with the use of optional covers.

Operation

- Shakers feature a triple eccentric drive that handles heavy workloads, provides uniform agitation and enables continuous 24-hour operation even at high speeds.
- Water bath temperature is monitored and controlled over the entire range with accuracy of $\pm 0.2^\circ\text{C}$ at 37°C in flask with PID temperature controller.

Analog Operating System

- DC motor and variable speed control from 40 to 400 rpm, controlled by a rotary dial.
- Integrated tachometer monitors and displays speed in rpm to guarantee an accurate setting.
- Easy-to-read LED digital display shows temperature.
- Operate shaker in continuous mode or set timer from 1 to 60 minutes for time studies.

Digital Operating System

- Solid state DC brushless motor, variable speed control from 15 to 500 rpm, and continuous and timed operation from 0.1 hour up to 999 hours or 0.1 minute to 999 minutes.
- Displayed time counts up during continuous operation and down during timed runs.
- View speed, operating time and temperature simultaneously on three individual LED displays which helps minimize errors in establishing running conditions.



Max^Q 7000



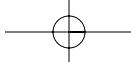
- Visual/audible signals alert you to temperature deviations and low water levels. Heat turns off if temperature increases $\pm 1^\circ\text{C}$ of setpoint.
- Shaker shut down and audible/visual alarms signal if unit operates $\pm 10\%$ of set speed prevents shaker from walking.
- Soft start feature eliminates splashing of vessel contents, wetting of flask closure, and helps prevent sudden starts and stops.
- Power interruptions will not alter results due to set point retention that retains parameters during power failure and restarts unit automatically after power is restored.
- RS232 interface allows remote monitoring of speed, time and temperature.
- Monitor temperature with built-in recorder jack for output to chart recorders for a permanent record.

Safety

- Over temperature safety feature with independent thermostat provides additional backup by controlling heat if main temperature controller fails.

Applications

- Cell cultures
- Solubility studies
- Extraction procedures
- Diagnostic tests
- General mixing
- Bacterial suspensions
- Staining
- Destaining
- Washing procedures
- Hybridization



For a complete system order: 1. Water Bath Shaker 2. Platform 3. Clamps

PRODUCT SPECIFICATIONS

Model #	Chamber Dimensions Inches (cm)			Overall Dimensions Inches (cm)			Shipping Weight Lb. (kg)
	L	W	H	L	W	H	
SHKA7000	16 (40.6)	14 (35.6)	8 (20.3)	25 (63.5)	21.5 (54.6)	18 (45.7)	107 (48.5)
SHKA7000-1CE	16 (40.6)	14 (35.6)	8 (20.3)	25 (63.5)	21.5 (54.6)	18 (45.7)	107 (48.5)
SHKE7000	16 (40.6)	14 (35.6)	8 (20.3)	25 (63.5)	21.5 (54.6)	18 (45.7)	107 (48.5)
SHKE7000-1CE	16 (40.6)	14 (35.6)	8 (20.3)	25 (63.5)	21.5 (54.6)	18 (45.7)	107 (48.5)

ORDERING INFORMATION

Model #	Speed Range (rpm)	Orbit Diameter Inches (cm)	Maximum Load Lbs (kg)	Temperature Range and Accuracy	Chamber Capacity Liters (gallons)	Power
Water Bath Shaker - Analog						
SHKA7000 ^{1,2}	40 to 400	0.50 (1.27)	35 (15.9)	5°C above ambient to 65°C; ±0.2°C in flask	29.4 (7.7)	120V, 50/60 Hz
SHKA7000-1CE ^{1,2,3}	40 to 400	0.50 (1.27)	35 (15.9)	5°C above ambient to 65°C; ±0.2°C in flask	29.4 (7.7)	240V, 50/60 Hz
Water Bath Shakers - Digital						
SHKE7000 ^{1,2}	15 to 500 ±1 rpm	0.50 (1.27)	35 (15.9)	5°C above ambient to 65°C; ±0.2°C in flask	29.4 (7.7)	120V, 50/60 Hz
SHKE7000-1CE ^{1,2,3}	15 to 500 ±1 rpm	0.50 (1.27)	35 (15.9)	5°C above ambient to 65°C; ±0.2°C in flask	29.4 (7.7)	240V, 50/60 Hz

¹ UL, ² CUL, ³ CE

ACCESSORIES

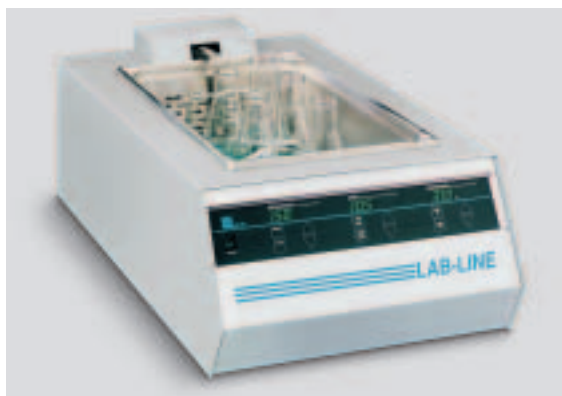
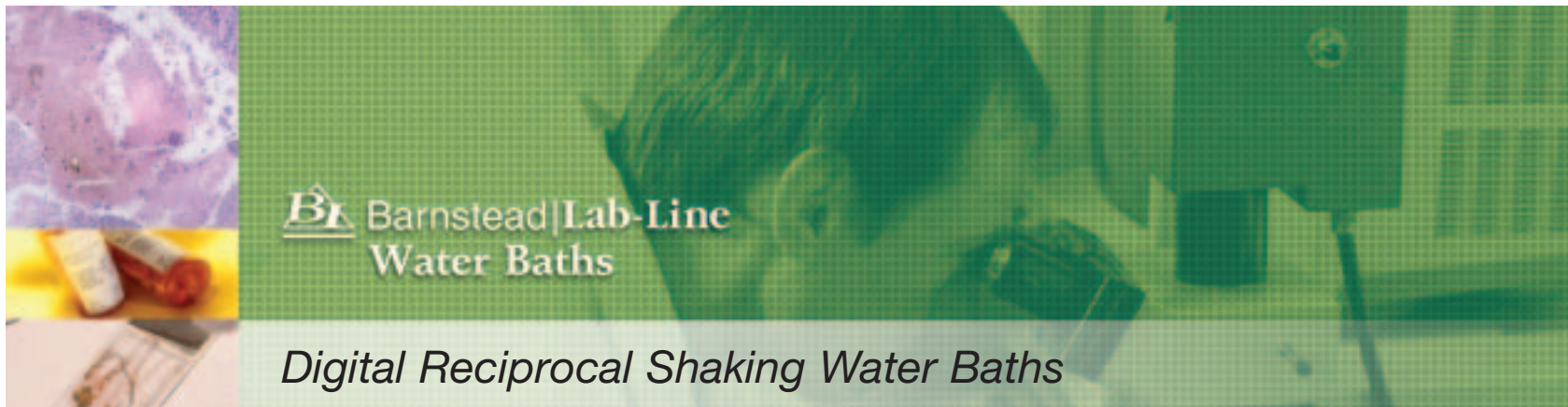
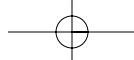
Model #	Description	Maximum number of racks per platform 11" x 13" (27.9 x 33 cm)
Test Tube Racks		
30180BI	Full-size rack, 10 - 13 mm, red, 6 x 12 array	3
30181	Half-size rack, 10 - 13 mm, red, 6 x 6 array	6
30182	Full-size rack, 14 - 16 mm, orange, 6 x 12 array	2
30183	Half-size rack, 14 - 16 mm, red, 6 x 6 array	4
30184	Full-size rack, 17 - 20 mm, white, 4 x 10 array	3
30185	Half-size rack, 17 - 20 mm, white, 4 x 5 array	4
30186	Full-size rack, 21 - 25 mm, blue, 4 x 10 array	2
30187	Half-size rack, 21 - 25 mm, blue, 4 x 4 array	4
30188	Full-size rack, 26 - 30 mm, green, 3 x 8 array	2
30189	Half-size rack, 26 - 30 mm, green, 3 x 3 array	6
30190	Full-size microcentrifuge rack, 1.5 ml, blue, 8 x 12 array	2
30191	Half-size microcentrifuge rack, 1.5 ml, white, 4 x 6 array	4

Model #	Description
MaxQ 7000 Water Bath Shaker Accessories	
SHK7000-37	Cooling Coil for near-ambient temperature and below
SHK7000-30	Stainless Steel Gable Cover for temperatures up to 90°C
SHK7000-32	Plexiglas™ Gable Cover for temperatures up to 65°C
SHK7000-35	Plexiglas Gassing Hood for addition of CO2 into the chamber
SHK7000-40	Four Auxiliary Platform Suspension Arms for rapid platform change
SHK7000-45	Movable Dolly for under lab bench operation
SHK7000-48	Mobile Cart

Model #	Description
Universal Platform	
30105	Universal 11" x 13" (27.9 x 33 cm) Platform

Model #	Vessel Size	Maximum number of vessels per platform size 11" x 13" (27.9 x 33 cm)
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Clamps for Universal Platform		
30175	Microplate/ Deep Well Plate	5
30150BI	10 ml Flask	60
30151	25 ml Flask	60
30152BI	50 ml Flask	30
30153	125 ml Flask	13
30154BI	250 ml Flask	9
30155	300 ml Flask	7
30156BI	500 ml Flask	6
30157BI	1 Liter Flask	4
30158	2 Liter Flask	1
30159	4 Liter Flask	1
30160	6 Liter Flask	1
30161	2500 ml Low Form Culture Flask	1
30162	2800 ml Fernbach Flask	1



Model 4682

Product Description

- Microprocessor shaking control is digitally set from 15 to 250 oscillations per minute, with adjustable stroke length from .5" (1.3 cm) to 1.5" (3.8 cm) in .25" (0.64 cm) increments.
- Digital temperature control from above ambient to 65°C (98°C with optional gable cover).
- Built-in memory retains set points in the event of power interruption; shaker automatically resumes operation once power is restored.
- Visual and audible alarms indicate low water level or deviation in speed over set point.
- Locked rotor protection stops shaking motion if a blockage occurs, preventing motor damage.
- Seamless stainless steel chamber construction prevents leakage.

Precise Temperature, Speed and Time Control!

- View speed, time and temperature on three individual displays
- Excellent $\pm 0.1^\circ\text{C}$ uniform water temperature
- Low level water alarm protects samples
- 15 to 250 cycles/min provide gentle to vigorous shaking
- ★ 24 Month Warranty

- Unique stainless steel universal trays ensure uniform temperature throughout bath.
- Over-temperature safety feature with independent thermostat provides additional backup by controlling heat if main temperature controller fails.
- Includes stainless steel tray with handles 14.0" (L) x 7.3" (W) (35.6 cm x 18.6 cm) and adjustable springs that stretch across the tray holds racks and other objects in place while unit shakes.
- Secure flasks by ordering the platform insert (3582-33) using standard flask clamps sold separately. Flask clamps fit into pre-drilled holes in platform insert.
- Achieve maximum temperature with optional gable-type cover, sold separately.

Application

- Ideal for applications such as tissue, metabolic, enzymatic and cell studies.

PRODUCT SPECIFICATIONS

Model #	Chamber Dimensions Inches (cm)			Overall Dimensions Inches (cm)			Shipping Weight Lb. (kg)
	W	H	D	W	H	D	
4682	11.5 (29)	8 (20)	19.5 (49)	16.6 (42)	11.25 (29)	31.4 (80)	46 (21)
4682-1	11.5 (29)	8 (20)	19.5 (49)	16.6 (42)	11.25 (29)	31.4 (80)	46 (21)

ORDERING INFORMATION

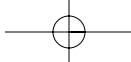
Model #	Electrical (50/60 Hz)			Capacity Liters	Operating Temp Range °C	Temp. Control At 37°C (in flask)	Temp. Uniformity At 37°C (in flask)
	Volts	Amps	Watts				
4682	120	11.6	1400	20	amb.+5° to 65°C (98°C w/cover)	$\pm 0.1^\circ\text{C}$	$\pm 0.1^\circ\text{C}$
4682-1	240	5.8	1400	20	amb.+5° to 65°C (98°C w/cover)	$\pm 0.1^\circ\text{C}$	$\pm 0.1^\circ\text{C}$

ACCESSORIES

Model #	Description
3582-33	Platform Insert – 13.5" (L) x 6.9" (W) (34.3 cm x 17.6 cm)
3582-35	Gassing Hood
3582-37	Cooling Coil
3582-39	Stainless Steel Gable Cover

Shaker includes universal tray with springs that hold labware in place.

Model #	Vessel Size	Max. No. Held
Clamps for use with Erlenmeyer flasks		
30151	25 ml flask clamp	11 per platform
30152BI	50 ml flask clamp	11 per platform
30153	125 ml flask clamp	8 per platform
30154BI	250 ml flask clamp	5 per platform
30156BI	500 ml flask clamp	3 per platform
30157BI	1000 ml flask clamp	2 per platform



Use as Shaking Water or Constant Temperature Bath!

- Adjustable temperature, stroke and speed provides versatility
- Excellent $\pm 0.1^\circ\text{C}$ uniform water temperature
- 15 to 250 cycles/min. provide gentle to vigorous shaking
- ★ 24 Month Warranty

Product Description

- Shaking stroke length is adjustable; from .5" (1.3 cm) to 1.5" (3.8 cm) in .25" (0.64 cm) increments designed for a variety of applications.
- Shaking speed is adjustable from 15 to 250 cycles/min for gentle to vigorous agitation.
- Shaker mechanism has an independent power switch, allowing unit to be used as a constant temperature water bath.
- Stainless steel universal trays ensure uniform temperature throughout the bath.
- Optional gassing hood allows for non-ambient atmospheric applications.
- Unit features electronic temperature control from slightly above ambient to 65°C (98°C with optional gable cover) and easy-to-read LED temperature display.
- Over-temperature safety features with independent thermostat provides additional backup by controlling heat if main temperature controller fails.
- Includes stainless steel tray with handles 14.0" (L) x 7.3" (W) (35.6 cm x 18.6 cm) and adjustable springs that stretch across the tray holds racks and other objects in place while unit shakes.
- Secure flasks by ordering the platform insert (3582-33) using standard flask clamps sold separately. Flask clamps fit into pre-drilled holes in platform insert.
- Achieve maximum temperature with optional gable-type cover, sold separately.

Application

- Ideal for cell culture studies, bacterial studies, electrophoresis gel destaining, blood plasma thawing, microbiological studies, tissue flotations and hybridization.



Model 3582

PRODUCT SPECIFICATIONS

Model #	Chamber Dimensions Inches (cm)			Overall Dimensions Inches (cm)			Shipping Weight Lb. (kg)
	W	H	D	W	H	D	
3582	11.5 (29)	8 (20)	19.5 (49)	16.6 (42)	11.25 (29)	31.4 (80)	46 (21)
3582-1	11.5 (29)	8 (20)	19.5 (49)	16.6 (42)	11.25 (29)	31.4 (80)	46 (21)

ACCESSORIES

Model #	Description
3582-33	Platform Insert— 13.5" (L) x 6.9" (W) (34.3 cm x 17.6 cm)
3582-35	Gassing Hood
3582-37	Cooling Coil
3582-39	Stainless Steel Gable Cover

Shaker includes universal tray with springs that hold labware in place

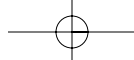
Model #	Vessel Size	Max. No. Held
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Clamps for use with Erlenmeyer flasks

30151	25 ml flask clamp	11 per platform
30152BI	50 ml flask clamp	11 per platform
30153	125 ml flask clamp	8 per platform
30154BI	250 ml flask clamp	5 per platform
30156BI	500 ml flask clamp	3 per platform
30157BI	1000 ml flask clamp	2 per platform

ORDERING INFORMATION

Model #	Electrical (50/60 Hz)			Capacity Liters	Operating Temp Range $^\circ\text{C}$	Temp. Control At 37°C (in flask)	Temp. Uniformity At 37°C (in flask)	Temperature Display
	Volts	Amps	Watts					
3582	120	11.6	1400	20	amb.+ 5° to 65°C (98°C w/cover)	$\pm 0.1^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	LED
3582-1	240	5.8	1400	20	amb.+ 5° to 65°C (98°C w/cover)	$\pm 0.1^\circ\text{C}$	$\pm 0.1^\circ\text{C}$	LED



Six Independent Stirring Controls!

- Stirring speed adjustable from 50 to 1200 rpm
- Individual pilot lights indicate which positions are being used
- Temperature range of ambient+5 to 70°C
- Excellent temperature uniformity of $\pm 0.1^\circ\text{C}$
- ★ 24 Month Warranty

Product Description

Water Bath and Magnetic Stirrer Combination

- The 1286 Water Bath Magnetic Stirrer includes Mistral® six-place multi-stirrer, clear acrylic water bath and analog circulator.
- Immersion circulator has heating range from 5°C above ambient to 70°C and fills one stirring position when using glassware larger than 250 ml.
- Features Mistral six-place multi-stirrer that includes six independently controlled stirring positions with adjustable speed control from 50 to 1200 rpm for gentle to vigorous agitation.
- Stirrer accommodates vessels up to one liter.
- Excellent temperature control and uniformity of $\pm 0.1^\circ\text{C}$.
- Bath capacity is 28.4 L.



Model 1286

Six-Place Magnetic Stirrer

- Mistral six-place multi-stirrer features six independently controlled stirring positions for exact stirring control of each vessel.
- Adjustable speed control from 50 to 1200 rpm for gentle to vigorous agitation.
- Stirrers accommodate vessels up to one liter.
- Immersion circulator and clear, acrylic water bath are not included.

PRODUCT SPECIFICATIONS

Model #	Bath Capacity	Dimensions Inches (cm)			Bath Dimensions Inches (cm)			Shipping Weight Lb. (kg)
		W	H	D	W	H	D	
All models	28.4 L	18.4 (47)	6.7 (17)	14.7 (37)	19 (48.3)	7 (17.8)	13 (33)	20 (9)

ORDERING INFORMATION

Model #	Description	Electrical (50/60 Hertz)			Temperature Range	Stirring Speed RPM*
		Volts	Watts	Hz		
1286Q	Six place magnetic stirring water bath	120	1180	60	amb.+5° to 70°C	50-1200
1288Q	Six place magnetic stirrer only	120	1180	50	NA	50-1200

* Stirring speed will be affected by liquid viscosity, size of stirring bar used, vessel size, and the thickness of the bottom of the vessel.