

# Product Overview 2019

Many more Stuart devices and accessories upon request available

## Block Heaters

- Heaters with digital or analogue control available
- Models with 2 or 3 blocks
- 2 heaters available with independent dual temperature control for 2 blocks (SBH130DC, SBH200DC)
- Temperature: up to 130 °C or 200 °C
- Aluminum blocks are not included and have to be ordered separately



SBH130



SBH130DC

## Aluminium Blocks for use with Stuart Block Heaters

Blocks can be used in different combinations. They all have a separate hole to accommodate a thermometer if desired. Dimensions of all blocks (w x d x h) 75 x 95 x 50 mm except SHT/96 and SHT1/384 with 150 x 95 x 61 mm. Please note all Block Heaters will only operate effectively if the full compliment of blocks is present.



## Sample Concentrator / Evaporator for Block Heaters

- Fast and convenient way of concentrating multiple samples in a block heater at once
- Simple gas delivery system to pass gas over the sample surface via stainless steel needles. In combination with the heat from the block heater below, this results in a fast, efficient evaporation.
- Adjustable stand for accurate height control
- Different gas delivery needles available
- Compatible only with Stuart block heaters SBH130D/3 and SBH200D/3
- Needles and Block Heater have to be ordered separately



SBH CONC/1 with SBH200D/3

## Hotplates

- Platform surfaces available with silicon metal alloy (robust for daily use) or ceramic (better chemical resistance, higher temperatures)
- Analogue or digital control
- Microprocessor controlled temperature
- Optional: temperature controller, retort rods and further accessories available (pg. 2)



US150



UC150



CB500



CR300



CP300

## Magnetic Stirrers with Hotplate

- Large choice of different models
- Different platform surfaces incl. infrared ceramic top



UC152D



CR302



SB162-3

## Magnetic Stirrers without Hotplate

- Compact and large models available
- Available with silicon metal alloy (robust for daily use) or ceramic platform-surface (better chemical resistance, higher temperatures)
- From mini to large and powerful



US151



SM27



SB161-3

## SCT1 Temperature Controller for Hotplates

For the accurate temperature control of aqueous or oil based samples up to a maximum of 200 °C. Usable with US150, UC150, US152, UC152, US152D and UC152D. The SCT1 is automatically recognized by these units as soon as the SCT1 is connected. Bright, easy to read LED display. The SCT1 features an in-built clamp allowing the controller to be mounted either on a horizontal or vertical retort rod.



SCT1



SCT1 with US152

## See-through Incubators

- Incubators without base (optionally available) can be placed easily over complete instruments or full test assemblies
- Constructed from clear Acrylic® polymer for total visibility
- Analogue or digital model
- Forced air circulation and electronic temperature control ensure accurately maintained conditions
- Temperature range: Ambient + 5 °C - 60 °C, ± 0.1 °C (at 37 °C)
- Nominal volume: 60 liters
- Temperature safety cut-out set at 72 °C
- Upward opening door, can be opened completely or only the front
- Dimensions overall/internal (w x d x h): 600/450 x 390/380 x 390/380 mm



Incubator SI60D with SI60/2 shelves

## Incubator for Multi-well Plates and Petri Dishes

- Compact unit with stainless steel interior
- Dimensions overall/internal (w x d x h): 380/250 x 380/230 x 435/200 mm
- Laminar flow air circulation, water tray to increase humidity
- Water tray that avoids drying out of samples
- Temperature range: Ambient + 8 °C - 80 °C, ± 0.5 °C (at 37 °C)
- Nominal capacity: 20 Liters, for 24 plates (or 48 plates if stacked in 2 layers)
- Digital setting and display of temperature (display resolution 0.1 °C)
- Over temperature protection
- Upward opening door



## Incubators with Shakers

(Also available with IQ/OQ documentation - prices on request)



SI500



SI600



SI505



SI600C

- Different temperature ranges and shaking speeds available
- SI600C: cooled incubator with orbital shaker and optional recirculating cooler
- Alarm function
- For flasks, plates and / or tubes
- Racks for different tube sizes

## Hybridization Incubator (with combined rocker shaker)

- Temperature range: Ambient + 8 °C - 80 °C,  $\pm 0.1$  °C (at 37 °C)
- Stainless steel interior, nominal capacity: 20 Liters
- Digital setting and display of temperature (resolution: 0.1 °C), analogue setting of speed
- Over temperature protection
- Supplied with rotisserie for 7 x 40 mm diameter hybridisation bottles, further rotisserie for 2 x 75 mm diameter hybridisation bottles available
- Easy conversion to rocker shaker: remove rotisserie, pull forward rear platform
- Rotational speed range: 2 - 10 rpm, rocker speed range: 5 - 70 oscillations/minute
- Upward opening door
- Dimensions overall/internal (w x d x h): 380/286 x 380/230 x 435/200 mm
- Hybridization bottles made from Pyrex<sup>®</sup> borosilicate glass with polyester caps and PTFE seals available on request



## Water Baths

- Three sizes: 6 l, 15 l and 24 l
- Temperature range: Ambient + 5 °C - 99.9 °C
- Temperature stability:  $\pm 0.5$  °C
- Digital display and selection of temperature
- Integral drain
- Heater mounted underneath the tank to allow easy cleaning
- Low level water sensor
- Supplied with robust polycarbonate lid
- Optional stainless steel lid on request



SWB6D

## Shaking Water Bath and Accessories

- Digital display and selection of temperature, 24 liters
- Choice of linear or orbital shaking action (depending on used platform)
- Platforms have to be ordered separately
- Temperature range: Ambient + 5 °C - 100 °C /  $\pm 0.25$  °C
- Shaking speed: 20 - 200 rpm
- Shaking orbit/amplitude: 20 mm
- Low-level water sensor
- Integral drain
- Heater mounted underneath the tank to allow easy cleaning
- Internal dimensions (w x d x h): 300 x 500 x 200 mm



## Colony Counter

- Pressure sensitive counting, confirmation by audible tone (can be turned on/off)
- Digital display (3 digit LED for up to 999 counts)
- Bright white energy saving LED lighting
- Choice of light or dark background
- Supplied with two Wolffhuegel graticules and dish centering adapters to facilitate use with 50 mm to 90 mm dishes
- Averaging facility calculates average count over multiple plates
- Connectivity to printer or computer, USB cable supplied
- Optional magnifiers 1.7 x or 3.0 x (has to be ordered separately)
- Dimensions (w x d x h): 310 x 300 x 140 mm
- Also available with IQ/OQ documentation, price on request



SC6PLUS mit SC6/1

## Rotators

- Can be used in incubators up to 60 °C and in cool rooms down to 4 °C.
- Tube holders are not included, have to be ordered separately.
- Available with fixed speed or digital speed control.



SB2 with SB3/2



Rotating discs

## Water Stills

### Aquatron®

- Fully automatic operation
- Safety features allow unattended operation
- High quality borosilicate glassware coupled with silica sheathed heaters gives pyrogen-free distillate of the highest purity
- Low temperature distillate
- 3 versions available: for 4 l or 8 l single distilled water per hour, or for 4 l double distilled water per hour
- Operates from any raw water supply
- Reservoir level control
- Simple conversion to pre-treated feed (see WCK/N)
- Supplied with wall mounting bracket
- Simple to clean
- pH: 5.0 - 6.5



A4000

### Distinction Water Still

- Produces pyrogen-free water
- 4 l single distilled water per hour
- All glass construction silica sheathed heaters
- 2 independent safety thermostats prevent overheating
- Control device turns off heater when collecting reservoir is full
- Wall mountable
- pH: 5.0 - 6.5



D4000

### Merit Water Still

- Produces pyrogen-free water
- 4 l single distilled water per hour
- Glass construction with long life metal heater
- 2 independent safety thermostats prevent overheating
- Wall mountable
- pH: 5.0 - 6.5



W4000

## Roller Mixers

For a gentle, but highly efficient, rocking and rolling action. With removable rolls to adjust the unit also for bigger vessels and removable side panels that ensure the sample bottles do not slide off the roller mixers during operation. All models can be used in incubators up to 60 °C and humidity up to 80 % or in cooling rooms down to 4 °C



SRT6 with removable side panels and detachable roller tubes



SRT9D



SRT6D & SRT9 stacked with SRT/STACK

**Orbital Shakers, Reciprocating Shakers and Rockers available upon request**

## Melting Point Apparatus and Accessories



SMP10



SMP11



SMP20



SMP30



SMP50