



**LabService
Providers**

LABORATORY EQUIPMENT & INSTRUMENTATION
PRODUCT CATALOGUE

**BATHS
SONICATORS
CIRCULATORS**

BATHS, SONICATORS, CIRCULATORS

BANDELIN

SONOREX SUPER

- A range of stainless steel, drip proof ultrasonic baths with capacities from 0.9 to 58.0 Litres to suit a variety of applications and sonication needs.
- Models with 45 to 90 litres capacity are long life with tanks constructed from welded 2mm titanium stabilized stainless steel (AISI 316L).
- PZT- large area oscillating systems.
- HF-Frequency 35 kHz.
- Timer for 1 to 15 minutes countdown, as well as continuous operation.
- Models available with in-built, thermostatically adjustable heating from 30-80 °C.
- Models available with heating fixed at 65 °C.
- Models available with oscillating tank composed of hard chromium stainless steel.
- Models available with drain cock included for easy emptying.
- Mains connection 230 V~ ($\pm 10\%$) as standard; 115 V~ ($\pm 10\%$), 50/60 Hz available on request.
- CE marked.

SONOREX DIGIPLUS

- A range of high power ultrasonic baths suitable for cleaning sensitive materials, mixing samples, homogenising samples for analysis, and rapid degassing of solvents for HPLC.
- Capacities from 3.0 to 28.0 Litres to suit a variety of applications and sonication needs.
- Power control from 20 to 100%.
- Thermostatically adjustable heating from 20 to 80 °C.
- LED display and excess temperature alert.
- Automatic, short-time extra ultrasound during the heating up period to avoid delay in boiling with switch-off functionality.
- Timer for 1 to 15 minutes countdown, as well as continuous operation.
- DEGAS – quick degassing functionality.
- SweepTec® - permanent sound field oscillation for even, gentle cleaning.
- Automatic safety shut-down 12 hours after last key-press.
- Filling level indicator.
- Drain valve for easy emptying and one-piece, welded drain bow.
- Liquid-tight mains cable and composite front housing for Protection class IP 33.
- CE marked.

SONOCOOL 255

- Designed for sample preparation use in pathology and analysis laboratories.
- Processes accelerating ultrasonic unit with simultaneous cooling to preserve the morphological structure of the sample.
- Fast, effective and suitable for use on heat sensitive samples in analysis laboratories as the cooling function means that exothermic reactions can be controlled.
- Compact design (360x605x85 mm).
- Capacity of 6.3 Litres.
- Long life unit with welded 2mm titanium stabilised stainless steel tank (AISI 316Ti).
- Glass lid for sample observation and easy cleaning.
- Fill level sensor for liquid control and dry run prevention.
- Thermostatically adjustable heating from 4 to 40 °C.
- LCD display of remaining time, actual temperature, pause / diagnostics, set time, set temperature, ultrasonic power.
- Serial interface for remote control (PC).
- CE marked.

SONOPLUS HD4000 ULTRASONIC HOMOGENISERS

- Series of ultrasonic homogenisers suitable for: disruption of cells without destroying the cell content; disruption of tissue, and mixed tissue; emulsifying of difficult to mix liquids such as oil and water (particle size in nm range); deagglomeration of nanoparticles in material research (nano-structured material) in medicine, biotechnology, automobile industry; acceleration of chemical reactions; dispersing; preparing samples for grain size determination or environmental analysis; homogenising cheese samples for determination of nitrates.
- The AMPLICHRON® system guarantees a constant amplitude for reproducible results independent of changing sample conditions.
- Settings within a range of 10 to 100% available.
- Control unit display of process parameters and sequences.
- Full control of ultrasound irradiation as well as an indication of probe wear.
- Adjustable pulsation allows cooling during rest intervals and limits temperature increase when processing heat sensitive samples.
- Continuous operation and constant sound radiation.
- Integrated timer for sonication duration, indication of elapsed time during continuous operation or remaining time in count-down mode.
- Direct and remote control functionality.
- User-friendly, easy-care, foil keypad.
- CE marked and medical device compliant to directive for in-vitro diagnostic 98/79/EG.
- **4 types available:** (1) **SONOPLUS HD 4050** for volumes from 0.5 to 100 ml and ultrasonic nominal output max. 50 W; (2) **SONOPLUS HD 4100** for volumes from 2 to 200 ml and ultrasonic nominal output max. 100 W; (3) **SONOPLUS HD 4200** for volumes from 5 to 1000 ml. and ultrasonic nominal output max. 200 W; (4) **SONOPLUS HD 4400** for volumes from 100 to 3000 ml. and ultrasonic nominal output max. 400 W.



B SERIES CIRCULATORS (BIG)

- Heating and cooling properties.
- Button operated deactivation of cooling function during heating to extend compressor life and reduce energy consumption.
- Wide internal usage areas and circulator capacity from 20 to 54 litres (model dependent).
- Optional, height adjustable shelf available.
- Contains environmentally and ozone friendly refrigerants.
- New generation, PID control mechanism for precise temperature control.
- Stainless steel structure.
- Easy liquid discharge system.
- Built-in liquid circulation system.
- Large LCD display for viewing from a distance.
- Custom external fluid circulation system.
- High temperature alarm system.
- Optional RS485 communication interface.



C SERIES CIRCULATORS (COMPACT)

- Sensitive heating and cooling device suitable for R&D studies, quality control processes, and general use.
- Contains environmentally and ozone friendly refrigerants.
- New generation, PID control mechanism for precise temperature control.
- Stainless steel structure.
- Easy liquid discharge system.
- Built-in liquid circulation system.
- Large LCD display for viewing from a distance.
- Custom external fluid circulation system.
- High temperature alarm system.
- Optional RS485 communication interface.



P SERIES CIRCULATORS (PROFESSIONAL)

- Advanced heating and cooling devices suitable for R&D studies, quality control processes, and general use.
- Button operated deactivation of cooling function during heating to extend compressor life and reduce energy consumption.
- Stainless steel bath structure.
- Contains environmentally and ozone friendly refrigerants.
- New generation, PID control mechanism for precise temperature control.
- Easy liquid discharge system.
- Built-in liquid circulation system.
- Large LCD display for viewing from a distance.
- Custom external fluid circulation system.
- High temperature alarm system.
- Optional RS485 communication interface.

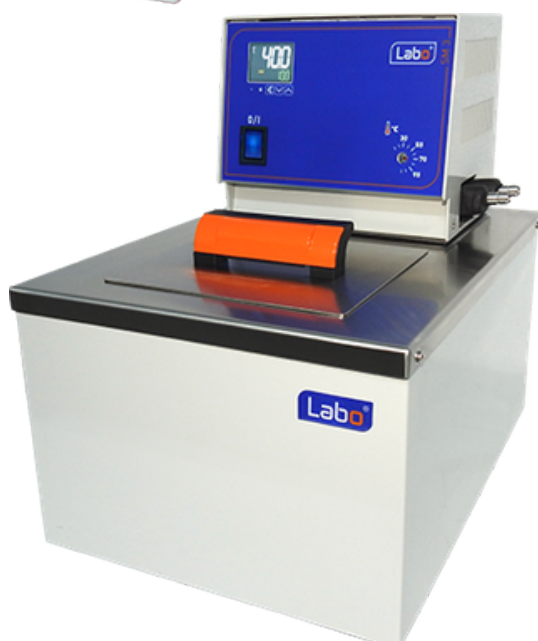
S SERIES CIRCULATORS (SHORT)

- Heating and cooling properties.
- Wide and short, stainless steel bath structure.
- Contains environmentally and ozone friendly refrigerants.
- New generation, PID control mechanism for precise temperature control.
- Stainless steel structure.
- Easy liquid discharge system.
- Built-in liquid circulation system.
- Large LCD display for viewing from a distance.
- Custom external fluid circulation system.
- High temperature alarm system.
- Optional RS485 communication interface.



H SERIES CIRCULATORS (HEATER)

- Heating properties only.
- Operating temperature from +5°C to +250°C (depending on model).
- New generation, PID control mechanism for precise temperature control.
- Built-in liquid circulation system.
- Stainless steel structure.
- Easy liquid discharge system.
- Custom external fluid circulation system.
- High temperature and low liquid level alarm systems.
- Optional RS485 communication interface.





**LabService
Providers**

**Equipment & instrumentation for
a wide range of laboratory environments.**

E: sales@labserviceproviders.ie

T: 021 2355450 **SALES:** 087 0669949 **SERVICE:** 086 8196737

Hérons Wood, Carrigaline, Co. Cork, Ireland.

www.labserviceproviders.ie



QUALITY
ISO 9001:2015
NSAI Certified