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 Омск (3812)21-46-40  
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 Ульяновск (8422)24-23-59  
 Уфа (347)229-48-12  
 Хабаровск (4212)92-98-04  
 Чебоксары (8352)28-53-07  
 Челябинск (351)202-03-61  
 Череповец (8202)49-02-64  
 Чита (3022)38-34-83  
 Якутск (4112)23-90-97  
 Ярославль (4852)69-52-93

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## АКСЕССУАРЫ



## MSH-300i — Дополнительные аксессуары

Деталь №	Описание
DPMD	Зажим бобышки
MZ-EP	Внешний датчик температуры
SKM2	Зажим

## Орбитальная вибрационная платформа – Платформы

Деталь №	Описание
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P16-88	Платформа с пружинными держателями для 88 пробирок диаметром до 30 мм.
P12-100	Платформа с зажимами для 12 колб/стаканов по 100/150 мл. Размеры: 230 x 190 мм
BIO-PP-4	Плоская платформа с нескользящим резиновым ковриком. Размеры: 230 x 190 мм
P6-250	Платформа с зажимами для 6 колб/стаканов объемом 250–300 мл. Размеры: 250 x 190 мм
PUP-12	Универсальная платформа с регулируемыми стержнями. Размеры: 270 x 195 мм НВ-200. Дополнительные удерживающие планки



## Платформа орбитального встряхивания PSU-20i

Деталь №	Описание
PUP-330	Регулируемые стержни и два уровня фиксации. Размеры*: 300 x 400 x 80 мм. Дополнительные удерживающие стержни – НВ-330
PP-20-(2/3/4 уровень)	Плоская платформа с нескользящим резиновым ковриком. Размеры*: 365 x 465 мм. Высота между уровнями: 140 мм

P30-100	Платформа с зажимами для 30 колб по 100-150 мл. Размеры*: 360 x 400 мм
P16-250	Платформа с зажимами для 16 колб объемом 250–300 мл. Размеры*: 360 x 400 мм
P9-500	Платформа с зажимами для 9 колб по 500 мл. Размеры*: 360 x 400 мм
P6-1000	Платформа с зажимами для 6 колб по 1000 мл. Размеры*: 360 x 400 мм
UP-168	Универсальная платформа для зажимов колб. Размеры*: 360 x 400 мм
RT -21-50	Штатив для пробирок с регулируемым наклоном для 21 пробирки по 50 мл
RT -44-15	Штатив для пробирок с регулируемым наклоном для 44 пробирок по 15 мл



## V-32 – Plaforms

• = стандарт

Деталь №	Описание
PV 6-10	Платформа с 6 гнездами для пробирок 10 мл (максимальный диаметр пробирки 15 мм)

PV -32	Сменная платформа (16 x 1,5 мл, 8 x 0,5 мл и 8 x 0,2 мл)
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## Вставки

Деталь №	Описание
P -2-24	Вставка для микропробирок на 24 пробирки 1,5/2,0 мл
P -05-32	Вставка для микропробирок 32 пробирки по 0,5 мл
P -02-05	Вставка для микропробирок для 24 пробирок по 0,5 мл ПЛЮС 48 пробирок по 0,2 мл или 8 полосок по 0,2 мл
P -02-96	Вставка для микропробирок для 96 пробирок по 0,2 мл или 12 стрипов по 0,2 мл или 96-луночных полу/без юбки ПЦР-планшетов



## Набор

Деталь №	Описание
Комплект MPS-1K	В комплекте: MPS -1 с 4 дополнительными вкладышами- P - 2-24, P -05-32, P -02-05, P -02-96



## MSV-3500 – Платформы

Деталь №	Описание
MSV-3500 4P	MSV-3500 с 4 дополнительными платформами, показанными ниже:
SV-4/30	Платформа для 4 пробирок по 50 мл (30 мм)
SV-10/10	Платформа для 10 пробирок по 10 мл (12 мм)
SV-16/8	Платформа для 10 пробирок по 10 мл (12 мм)
SV-8/15	Платформа для 8 пробирок по 15 мл (16 мм)



## Орбитальная вибрационная платформа – Платформы

Деталь №	Описание
P16-88	Платформа с пружинными держателями для 88 пробирок диаметром до 30 мм.
P12-100	Платформа с зажимами для 12 колб/стаканов по 100/150 мл. Размеры: 230 x 190 мм
BIO-PP-4	Плоская платформа с нескользящим резиновым ковриком. Размеры: 230 x 190 мм
P6-250	Платформа с зажимами для 6 колб/стаканов объемом 250–300 мл. Размеры: 250 x 190 мм
PUP-12	Универсальная платформа с регулируемыми стержнями. Размеры: 270 x 195 мм НВ-200. Дополнительные удерживающие планки



## Лопастные мешалки MM-1000

Часть №:	Описание
MP-1	Лопастная мешалка – 70 x 70 мм
MP-2	Пропеллерная мешалка 2 сложенные лопасти (диаметр 60 мм)
MP-3	Пропеллерная мешалка 3 сложенные лопасти (диаметр 50 мм)
MC-1	Центробежная мешалка (диаметр 60 мм)
MA-1	Якорная мешалка (диаметр 90 мм, высота 48 мм)
MMSRB	Опорный стержень и основание для монтажа устройства



## TS-DW – Аксессуары

Деталь №	Описание
B-2A	Блок для одного глубоколоночного планшета Axygen® 96/2200 мкл
B-2E	Блок для одного глубоколоночного планшета Eppendorf® 96/1000 мкл
B-2S	Блок для одного глубоколоночного планшета Sarstedt® 96/2200 мкл
B-2SL	Блок для одного глубоколоночного планшета Starlab® 96/1200 мкл

## Термошейкеры – Сменные блоки

Деталь №	Описание
HC18	Сменный блок для: 20 микропробирок по 0,5 мл плюс 12 микропробирок по 1,5 мл
HC24N	Сменный блок для: 24 микропробирок по 1,5 мл
HC 24	Сменный блок для: 24 микропробирок по 2,0 мл
HC32	Сменный блок для: 20 микропробирок по 0,2 мл плюс 12 микропробирок по 1,5 мл
HC96	Сменный блок для: 96-луночных микропланшетов (0,2 мл)

## ES-20 – Platform

Part No	Description
UP-168	Universal platform for flask clamps
P12-100	Platform with clamps for 12 x 100-150ml flasks/beakers Dimensions: 250 x 190mm
PP4	Flat platform with non-slip rubber mat for Petri dishes and culture flasks Dimensions: 219 x 219mm
P6-250	Platform with clamps for 6 x 250-300ml flasks/beakers Dimensions: 250 x 190mm

PUP-12	Universal platform, with adjustable bars. Dimensions: 270 x 195mm HB-200 extra holding bars
P16-88	Platform with spring holders for up to 88 tubes, 30mm diameter



## ES-80 – Platform

Part No	Description
PP-400	Flat platform with non-slip rubber mat Dimensions: 360 x 400mm
P30-100	Platform with clamps for 30 x 100-150ml flasks
P16-250	Platform with clamps for 16 x 250-300ml flasks
P9-500	Platform with clamps for 9 x 500ml flasks
P6-1000	Platform with clamps for 6 x 1000ml flasks



## ES-20/80 Options and Accessories

Part No:	Description



TR-44/15	Adjustable angle test tube rack for UP-168 (44 x 15ml tubes)
TR-21/50	Adjustable angle test tube rack for UP-168 (21 x 50ml tubes)
HSP-6/1000	Platform with clamps for 6 x 1000ml flasks
HSP-9/500	Platform with clamps for 9 x 500ml flasks
HSP-16/250	Platform with clamps for 16 x 250-300ml flasks
HSP-30/100	Platform with clamps for 30 x 100-150ml flasks
UP-168	<p>Universal platform for different flasks (360 x 400ml).</p> <p>Tight fit clamp for HSC-50 (50ml, diameter 50mm)</p> <p>Tight fit clamp for HSC-100 (100ml, diameter 65mm)</p> <p>Tight fit clamp for HSC-250 (250ml, diameter 85mm)</p> <p>Tight fit clamp for HSC-500 (500ml, diameter 105mm)</p> <p>Tight fit clamp for HSC-1000 (1000ml, diameter 130mm)</p>
ESSK2	Stacking kit for 2 x ES-20/80
ESSK3	Stacking kit for 3 x ES-20/80



## Adapter sets for R-12-10 (pack of 12)

Part No	Description
BN-13-75	for vacutainers 2-5mL (ø13 x 75mm)
BN-13-100	for vacutainers 4-8ml (ø13 x 100mm)

BN-16-100

for vacutainers 8-9ml (ø16 x 100mm)



## Centrifuges – Accessories

Benchtop centrifuges LMC-4200R low speed

Part No	Description	Dimensions
R-6	interchangeable centrifuge rotor for 6 x 50 ml tubes, with cap, conical end	ø29 x 115mm
R-12-10	interchangeable centrifuge rotor for 12 x 10 to 15 ml tubes, rounded ends, no caps	ø16x 105mm
R-12-15	interchangeable centrifuge rotor for 12 x 15 ml tubes, with cap, conical end	ø17x 120mm
R-2	interchangeable centrifuge rotor for 2 microtitre plates	Suitable for deepwell plates max dims 128 x 85.6 x 45mm (w x d x h)



## Rotos

Part No	Description
PR2-05	Interchangeable centrifuge rotor for 8 x 1.5/2.0ml plus 8 x 0.5ml

	microtubes (optional)
PR2-05-02	Interchangeable centrifuge rotor for 6 x 1.5/2.0ml plus 6 x 0.2ml microtubes (optional)
PSR-16	Interchangeable centrifuge rotor for 2 x 8-well 0.2ml microtube strips (optional)
R-15	Replacement rotor for 12 x 1.5ml microtubes (included)
R-05-02	Replacement rotor for 12 x 0.5ml and 12 x 0.2ml microtubes (included)



## Centrifuge – Interchangeable Rotors

Part No	Description
R-6	Interchangeable centrifuge rotor for 6 x 50ml tubes, with cap, conical end Dimensions: ø29 x 115mm
R-12-10	Interchangeable centrifuge rotor for 12 x 10 to 15ml tubes, rounded ends, no caps Dimensions: ø16 x 105mm
R-12-15	Interchangeable centrifuge rotor for 12 x 15ml tubes, with cap, conical end Dimensions: ø17 x 120mm
R-2	Interchangeable centrifuge rotor for 2 microtitre plates Dimensions: 128 x 85.6mm (w x l) Suitable for deepwell plates maximum dimensions: 128 x 85.6 x 45mm (w x d x h)
R-24GC	Interchangeable centrifuge swing out rotor for gel cards for blood group serology testing, 24 card capacity. Dimensions of a gel card: 53 x 74mm



## Densitometer – Optional accessories

Part No	Description
DEN MCF STDS	Set of liquid McFarland standards in 16mm $\varnothing$ glass tubes. 0.5/1.0/2.0/3.0/4.0 can be decanted into an alternative tube (shelf-life no longer valid). Requires D16 adaptor, supplies with DEN-1/DEN-1B
D16	Spare tube adaptor for tubes with 16mm outer diameter



## DEN- 600 Дополнительные аксессуары

Деталь №	Описание
STDS MCF	Набор жидких стандартов McFarland в стеклянных пробирках диаметром 16 мм. 0,5/1,0/2,0/3,0/4,0 можно декантировать в другую пробирку (срок годности больше не действует). Требуется адаптер D16, поставляется с DEN-1/DEN-1B



## FTA-1 – Optional accessories

Part No	Description
MA-8	8 channel adaptor kit, includes tube adaptor, 8 channel aspiration tip, 8 channel tip holder
MA-8T	8-channel aspiration tip

FA-1	Replacement filter
FTA-B	Bottle replacement trap flask 1L with blue cap fits FTA-1
FTA-T	Tubing set including all tubing with fittings except filter and aspiration tip



## Adaptors

Part No	Description
HAS-1	Hand operator set, includes handheld vacuum controller, 1-channel adapter (with ejector) for 200 $\mu$ L tips, 1-channel adapter with 125 mm stainless steel pin, 1-channel adapter with 40 mm stainless steel pin, 8-channel adapter (with ejector) for 200 $\mu$ L tips, 8-channel adapter with 35 mm stainless steel pin and SH-6 stand.
MA-8	8 channel adaptor kit, includes tube adaptor, 8 channel aspiration tip, 8 channel tip holder



## Accessory Cooling

Optional accessory cooling systems

Part No	Description
C1G	0°C to 40°C**

C2G

-15°C to 40°C\*\*\*

## Accessory Notes

\*\* The cooling coil can be continuously immersed in liquids up to 100°C with the cooler switched off and may be used to cool liquid down from 100°C but it is not designed for continuous operation above 40°C.

\*\*\* Minimum operating temperature without accessory cooling is ambient +5°C (amb.+ 15°C for P5 and ST5 tanks).



## Bridge Plates

For use with stainless steel and plastic tanks

Part No	Description
G-BTS	Bridge plate fits G Optima heating circulator models to ST5 tank
G-BTL	Bridge plate fits G Optima heating circulator models to ST12, 18, 26 & 38 tanks
G-BSS	Bridge plate fits G Optima heating circulator models to S5 tanks
G-BSL	Bridge plate fits G Optima heating circulator models to S12, 18, 26, 38 tanks
T-BTS	Bridge plate replacement fits T Optima heating circulator models to ST5 tank
T-BTL	Bridge plate replacement fits T Optima heating circulator models to ST12, 18, 26 & 38 tanks
T-BSS	Bridge plate fits T Optima heating circulator models to S5 tank
T-BSL	Bridge plate fits T Optima heating circulator models to S12, 18, 26 & 38 tanks
T-BYWS	Bridge plate fits T Optima heating circulator models to Y6 & W6 tanks
T-BYWL	Bridge plate fits T Optima heating circulator models to Y14, 28 & 38 tanks also W14, 28 & 38 tanks

G-BPS	Bridge plate fits G Optima heating circulator models to P5 tank
G-BPL	Bridge plate fits G Optima heating circulator models to P12 & 18
T-BPS	Bridge plate replacement fits T Optima heating circulator models to P5 tank
T-BPL	Bridge plate replacement fits T Optima heating circulator models to P12 & 18 tanks



## Clamp

To attach heating circulators to any vertical sided tank

Part No	Description
T-CLAMP	Allows heating circulator to be attached to virtually any vertical sided vessel with a maximum wall thickness of 35mm for rectangular tanks, 30mm for circular tanks (300mm diameter), and capacity up to 50L



## Heated Circulating Bath – Lids

To help reduce evaporation / heat loss and avoid sample contamination\*

Part No	Description
STL5	Flat stainless steel lid for 5L bath
STL12	Gabled, hinged (removable) stainless steel lid for 12L bath

STL26	Gabled, hinged (removable) stainless steel lid for 18L and 26L bath
STL38	Gabled, hinged (removable) stainless steel lid for 38L bath
PL5	Flat, stainless steel lid for 5L bath
PL12	Curved plastic lid for 12L bath
PL18	Curved plastic lid for 18L bath

## Accessory Notes

\* Between operating temperatures 60°C and 100°C and below room temperature a lid or layer of polypropylene spheres should be used.



## Heated Circulating Bath – Racks

To optimise available bath capacity.

Part No	Tube size	Capacity
VR-13	Ø10-13 mm	65
VR-19	Ø16-19 mm	36
VR-24	Ø24 mm	23
VR-30	Ø30 mm	14
VR-SE	0.5 ml	102
VR-LE	1.5ml	75
QR-13	Ø10-13 mm	30
QR-19	Ø16-19 mm	16
QR-24	Ø24 mm	10
QR-30	Ø30 mm	5



QR-SE	0.5 ml	44
QR-LE	1.5 ml	35

## Accessory Notes

Number of racks accommodated in stainless steel / plastic baths:

5 litres: 1 x QR

12 litres: 2 x VR

18 litres: 4 x VR

26 litres: 4 x VR

38 litres: 6 x VR



## Liquid Sanitiser – SANIT1

New liquid stabiliser for the prevention of bacterial growth, fungal growth and slime in water baths.

Product Code: sanit1



## Polypropylene Spheres

Ideal alternative to a lid\*

Part No	Description	Packs per bath
PS-20	Pack of 300 polypropylene spheres	1 x 5/12L, 2 x 18/26L, 3 x 38L

## Accessory Notes

\* Between operating temperatures 60°C and 100°C and below room temperature a lid or layer of polypropylene spheres should be used.



## Pump Connectors

Optional

Part No	Description
P-M6	Replacement plastic pump inlet/outlet connector. Fits tubing 9mm inner dia. Temperature range -50 to 200°C
P-M11	Replacement plastic pump inlet/outlet connector. Fits tubing 15mm inner dia. Temperature range -50 to 200°C
M-SR4	Metal pump inlet/outlet connector, dual seal super rapid 4mm. Fits semi rigid tubing 4mm outer dia. Temperature range -20 to 100°C
M-SR6	Metal pump inlet/outlet connector, dual seal super rapid 6mm. Fits semi rigid tubing 6mm outer dia. Temperature range -20 to 100°C
M-SR8	Metal pump inlet/outlet connector, dual seal super rapid 8mm. Fits semi rigid tubing 8mm outer dia. Temperature range -20 to 100°C
M-HB7	Metal pump inlet/outlet connector, hose barb 7mm. Fits flexible tubing 7mm inner dia. Temperature range -40 to 120°C
M-HB9	Metal pump inlet/outlet connector, hose barb 9mm. Fits flexible tubing 9mm inner dia. Temperature range -40 to 120°C
M-HB12	Metal pump inlet/outlet connector, hose barb 12mm. Fits flexible tubing 12mm inner dia. Temperature range -40 to 120°C
M-UC	Metal pump inlet/outlet plate, 1/4" BSP/G1/4 female. Temperature range -50 to 200°C



## Raised Shelves

To allow accommodation of shallow vessels

Part No	Description
RS14	For 12L bath
RS22	For 18L bath
RS28	For 26L or 38L bath
RS38	For 38L bath



## Vertical Turbine Pump

Low noise, compact design. Supplied with pipe connections and special lid for fitting to tanks, pipe bore 12.7mm.

Part No	Description
VTP1-LT	Maximum pressure 1000 mbar, Maximum flow 9 L/min
VTP2-LT	Maximum pressure 1650 mbar, Maximum flow 12 L/min

### Accessory Notes

Required only where application demands a higher pressure than that delivered by the internal pump to maintain flow.



## Drain Stopper

Recommended when using heat transfer beads, to prevent beads entering drain hole

Part No	Description
UWB-DS	Pack of 5



## Unstirred Water Bath – Lids

Directs condensation away from immersed vessels, avoids contamination, reduces evaporation and saves energy\*

Part No	Description	For
AQL5	Transparent polycarbonate lid	JBN5
AQL12	Transparent polycarbonate lid	JBN12
AQL26	Transparent polycarbonate lid	JBN18/JBN26
LU6*	Stainless steel sloping lid	JBN5
LU14*	Stainless steel sloping lid	JBN12
LU28*	Stainless steel sloping lid	JBN18/JBN26
LF6**	Flat lid with 2 ring sets	JBN5

LF14**	Flat lid with 4 ring sets	JBN12
LF28**	Flat lid with 6 ring sets	JBN18/JBN26

## Accessory Notes

\* lid or spheres recommended for use above 60°C

\*\* with ring sets of variable hole diameter to accommodate tall vessels whilst reducing evaporation



## Unstirred Water Baths – Base Tray

Required if flat-bottomed flasks are to be placed directly on the base of the bath and to promote thermal convection in the bath

Part No	For
AQBT5	JBN5
AQBT12	JBN12
AQBT26	JBN18/JBN26



## Unstirred Water Baths – Racks

Choice of 8 variants to accommodate different tube diameters and microtubes

Part No	Tube size Ø	Capacity
J2-10	10mm	84
J2-13	13mm	55

J2-16	16mm	36
J2-19	19mm	32
J2-25	25mm	18
J2-30	30mm	12
J2-SE	0.5ml	105
J2-LE	1.5ml	65

## Accessory Notes

No of racks accommodated in JB Nova water baths:

5 litres: 1 x J2

12 litres: 2 x J2

18 litres: 4 x J2

26 litres: 4 x J2



## SBB – Base Tray

Required if flat-bottomed flasks are to be placed directly on the base of the bath and to promote thermal convection in the bath

Part No	For
SBT6	SBB Aqua 5 Plus
SBT14	SBB Aqua 12 Plus
SBT26	SBB Aqua 18 Plus/SBB Aqua 26 Plus



## Cooling Coil

Cooling coil enables bath to be operated at or below ambient, down to 0°C

Part No	Description
CC26R	Source of constant cooling to enable bath to be operated at or below ambient, down to 0°C



## Flask/Plate Tray

Tray with threaded holes to accept flask clamps or holder for deep well plates

Part No	Description
TF26	Stainless steel tray



## Flasks and plate holder

For use with TF26 flask and plate tray

Part No	Description	OLS26 Capacity
SC-25	For 25ml flask	28

SC-50	For 50ml flask	24
SC-100	For 100ml flask	15
SC-250	For 250ml flask	8
SC-500	For 500ml flask	6
SC-1000	For 1000ml flask	3



## Shaking Water Bath – Lids

Directs condensation away from immersed vessels, avoids contamination, reduces evaporation and saves energy

Part No	Description
LS200	Stainless steel sloping lid with access hole for cooling coil
AQL26	Replacement polycarbonate lid



## Shaking Water Baths – Base Tray

Allows bath to be used as an unstirred bath

Part No	Description
SBT26	Stainless steel perforated tray for the OLS26 & LSB18
SBT12	Stainless steel perforated tray for the LSB12





## Shaking Water Baths – Heat Exchange Coil

Attach to a cold water supply or refrigerated circulator

Part No	Description
CW26	Can be used down to 2°C above the temperature of the coolant



## Test Tube Racks

Choice of 8 variants to accommodate different tube diameters and microtubes

Part No	Tube Diameter	Rack Capacity
SR-10	10mm	48
SR-13	13mm	44
SR-16	16mm	24
SR-19	19mm	21
SR-25	25mm	12
SR-30	30mm	10
SR-SE	0.5ml (microtube)	119
SR-LE	1.5ml (microtube)	48



## Test Tube Tray

Compatible with SR racks or can be used alone to accommodate bags and miscellaneous vessels

Part No	Description
TS26	Holds up to 5 SR racks



## Universal Tray

Highly versatile, with adjustable springs to hold flasks, bottles and other vessels

Part No	Description
TU26	Stainless steel tray



## Replacement Baskets

Supports items to be processed and works with the lid as a drip collection unit (supplied as standard with the baths)

Part No	For	Internal basket dimensions including handle (w x d x h)
XAB1	XUBA1	115 x 95 x 87mm
XAB3	XUBA3	208 x 115 x 98mm



## Replacement Lid

Reduce operating noise and potential escape of aerosols (supplied as standard with the baths)

Part No	Description	For
XAL1	Replacement ABS lid	XUBA1
XAL3	Replacement ABS lid	XUBA3



## Ultrasonic Solution

General purpose detergent for use with ultrasonic baths

Part No	Description
M2 SOL	General purpose detergent for use with ultrasonic baths. Pack of 6 x 1L bottles



## Dry Block Heaters – Interchangeable blocks

Extraction tool supplied as standard

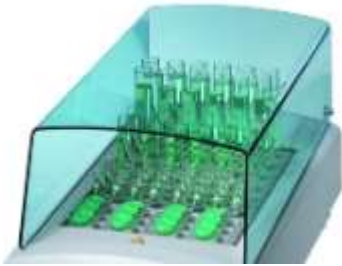
Part No	Description
QB-0	Plain block without holes
QB-10	For 24 x $\varnothing$ 10mm test tubes, 50mm hole depth
QB-12	For 24 x $\varnothing$ 12mm test tubes, 50mm hole depth
QB-13	For 12 x $\varnothing$ 13mm test tubes, 50mm hole depth
QB-16	For 12 x $\varnothing$ 16mm test tubes, 50mm hole depth
QB-17H	For 10 x Falcon tubes tall 17mm $\varnothing$ test tubes, 75mm hole depth
QB-18	For 12 x $\varnothing$ 18mm test tubes, 50mm hole depth
QB-24	For 5 x $\varnothing$ 24mm test tubes and universal bottles, 50mm hole depth
QB-50	For 4 x 50ml centrifuge test tubes, glass universals, 50mm hole depth $\varnothing$ 29mm
QB-H	For 56 x 0.2ml microtube, 14mm hole depth, $\varnothing$ 6.5mm
QB-E0	For 24 x 0.5ml microtube, 30mm hole depth, $\varnothing$ 8mm
QB-E1	For 24 x 1.5ml microtube, 35mm hole depth, $\varnothing$ 10.8mm
QB-E2	For 24 x 2.0ml microtube, 35mm hole depth, $\varnothing$ 11mm
QB-E5	For 12 x 5.0ml microtube, 53.5mm hole depth, $\varnothing$ 16.7mm
QB-DN	For 12 x 5.0ml microtube, 53.5mm hole depth, $\varnothing$ 16.7mm

## Accessory Notes



## External Temperature Probes

Part No	Description
QBEP	Standard probe for in-sample or in-block temperature control; encased in stainless steel sheath, ø3mm x 30mm long, with 350mm of cable.
QBEP-WM	Short-form probe for in-sample or in-block temperature control; encased in stainless steel sheath, ø3mm x 14mm long, with 350mm of cable.



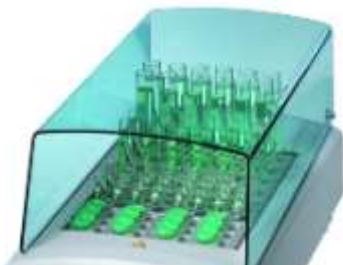
## Microplate Blocks

For molecular biology and biotechnology applications

Part No	Description
QDP-H	96 holes in microplate configuration for 0.2ml microplates, strips or individual tubes. Uniformity $\pm 0.3^{\circ}\text{C}$ within tubes across the block; 6.2mm ø holes, 14mm hole depth.
QDP-FL	Universal block for standard 96-well plates (u-well, v-well, flat bottom, high temperature). Uniformity $\pm 0.50^{\circ}\text{C}$ between wells; supplied with hinged, double layer lid to create an insulated incubation chamber.

### Accessory Notes

Double-size blocks 140 x 100 x 75mm supplied with additional extraction tool



## Safety cover

Made from tough clear acrylic for maximum visibility whilst preventing accidental touching of a hot block or contamination of samples from splashes.

Part No	Description

QBL1	For QBD1
QBL2	For QBD2 and QBH2
QBL4	For QBD4

## Accessory Notes

Clearance height 85cm. Not required with QDP-FL Microtiter blocks.



## Combitherm Dry Block – Options and Accessories

Part No	Description
B2-50	Interchangeable block for 2 x Ø 48mm tubes, depth 58mm
B10-13	Interchangeable block for 10 x Ø 13mm tubes, flat bottom, depth 30mm
B10-16	Interchangeable block for 10 x Ø 16mm tubes, depth 56mm
B5-29	Interchangeable block for 5 x Ø 29mm tubes, flat bottom, depth 40mm
B6-25	Interchangeable block for 6 x Ø 25mm tubes, depth 40mm
B18-12	Interchangeable block for 18 x Ø 12mm tubes, round bottom, depth 58mm

B23-1.5	Interchangeable block for 23 x 1.5ml micro tubes
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## Chillers – Heat Exchange Coil

Attach to a supply of cooling tap water or a refrigerated circulator

Part No	Description
CW5	Temperature range: 2°C above the temperature of the coolant



## Vertical Turbine Pump

Low noise, compact design. Supplied with pipe connections and special lid for fitting to tanks, pipe bore 12.7mm.

Part No	Description
VTP1-LT	Maximum pressure 1000 mbar, Maximum flow 9 L/min
VTP2-LT	Maximum pressure 1650 mbar, Maximum flow 12 L/min

### Accessory Notes

Required only where application demands a higher pressure than that delivered by the internal pump to maintain flow.



## External Probes

For monitoring and controlling temperature of remote loads

Part No	Description
TXPEP	Flexible plastic probe, 3m cable
TXSEP	Stainless steel probe, 3m cable



## Hose Kit

Additional hose kits assembled with LT ecocool/ Optima™ pump outlet plate and hose clips.

Part No	Description
HOSE100	General purpose hose kit, includes 2 x 2m general purpose insulated hosing -40 to 100°C, assembled with LT ecocool/Optima™ pump outlet plate and simple hose clips, no tools required
HOSE200	High temperature hose kit, includes 2 x 2m high temperature insulated hosing -50 to 200°C, assembled with LT ecocool/Optima™ pump outlet plate and simple hose clips, no tools required

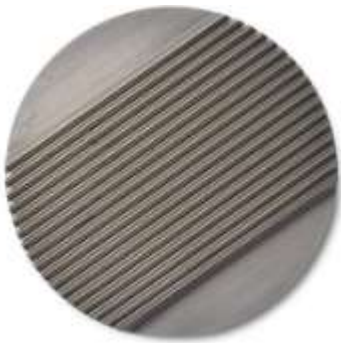


## Pump Connectors

Optional



Part No	Description
P-M6	Replacement plastic pump inlet/outlet connector. Fits tubing 9mm inner dia. Temperature range -50 to 200°C
P-M11	Replacement plastic pump inlet/outlet connector. Fits tubing 15mm inner dia. Temperature range -50 to 200°C
M-SR4	Metal pump inlet/outlet connector, dual seal super rapid 4mm. Fits semi rigid tubing 4mm outer dia. Temperature range -20 to 100°C
M-SR6	Metal pump inlet/outlet connector, dual seal super rapid 6mm. Fits semi rigid tubing 6mm outer dia. Temperature range -20 to 100°C
M-SR8	Metal pump inlet/outlet connector, dual seal super rapid 8mm. Fits semi rigid tubing 8mm outer dia. Temperature range -20 to 100°C
M-HB7	Metal pump inlet/outlet connector, hose barb 7mm. Fits flexible tubing 7mm inner dia. Temperature range -40 to 120°C
M-HB9	Metal pump inlet/outlet connector, hose barb 9mm. Fits flexible tubing 9mm inner dia. Temperature range -40 to 120°C
M-HB12	Metal pump inlet/outlet connector, hose barb 12mm. Fits flexible tubing 12mm inner dia. Temperature range -40 to 120°C
M-UC	Metal pump inlet/outlet plate, 1/4" BSP/G1/4 female. Temperature range -50 to 200°C



## CRF-1 Controlled Rate Freezer Optional Accessories & Services

Part No	Description
CAL CRF-1	Calibration certificate
CRF-1 MAINT 1	1 year maintenance agreement includes clean and test report

	(excludes repair & replacement of faulty parts)
IQOQ CRF-1	IQOQ Booklet for CRF-1
PQ CRF-1	PQ Booklet for CRF-1
CRF-1 CRYOPEN	Cryopen nucleating tool
CRF-1 CARTRIDGE	Replacement cartridge for Cryopen
CRF-1 UPS	Un-interruptible Power Supply for the CRF-1 for a 3 hour cycle in the event of an electrical power failure. 220-240v operation.



## CEM20

The channel capacity of the DT80 range of loggers can be increased by using the Channel Expansion Module (CEM20). Each CEM20 connects 20 universal data logging channels to the DT80 range of data loggers.

A CEM20 connects to one analogue channel of the data logger. This can expand the total channel capacity of the DT80 to 300 analogue inputs (common reference) and the DT85 to an incredible 900 analogue inputs (common reference). Incorporating the same dual isolation technology as the DT80 range data loggers each channel of the CEM20 can be used for two isolated inputs or three common reference inputs.



## dEX Logger Software

dEX datalogger software is an intuitive graphical interface that allows you to configure your data logger, view real-time data in mimics, trend charts or tables and retrieve your historical data for analysis.

dEX comes pre-installed on every logger in the DT80 range. The software loads in your web browser so there is no need to install cumbersome applications on your computer. Being browser-based, dEX will work on all major operating systems including Windows, Mac and Linux.

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