

ELECTRONIC CATALOGUE
CUSTOMER'S AMENDMENTS
ISSUE 2 —February 2012
Page 1 of 11 pages

	<i>Amendment</i>
	<p>CANCELLATION</p> <p>BR160-33 Cancelled, offer BR160-35</p> <p>REINSTATEMENT</p> <p>BR160-35 Bottles, powder, clear glass, without cap, 4oz, R3/38 neck, pack of 68</p> <hr/>
	<p>CANCELLATIONS</p> <p>BR400-33 Cancelled, offer BR400-35 BR404-33 Cancelled, offer BR404-35</p> <p>REINSTATEMENTS</p> <p>BR400-35 Bottles, powder, clear glass, with black plastic cap and PVDC liner, 4oz, R3/38 neck, pack of 68 BR404-35 Bottles, powder, clear glass with white polypropylene wadless cap, 4oz, R3/38 neck, pack of 68</p> <hr/>
	<p>CANCELLATIONS</p> <p>CF326-06 Cancelled, special order only CF326-07 Cancelled, special order only CF326-09 Cancelled, special order only</p> <hr/>
	<p>CANCELLATION</p> <p>CJ512-04 Cancelled, special order only</p>

CANCELLATIONS

HE700-15 Cancelled, offer HE215-20
HE700-20 Cancelled, offer HE215-20
HE700-25 Cancelled, offer HE215-25
HE700-30 Cancelled, offer HE215-30
HE700-40 Cancelled, offer HE215-40

NEW ITEMS

STEM Omni Reaction Stations

For parallel organic synthesis allowing up to 6 or 10 simultaneous reactions.

- Temperature range ambient (-30°C using accessory cooling plug) to +220°C
- Speed range 250 to 2000rpm
- Choice of working volumes:
 - 2 to 25ml Model OS1025 - 5 to 50ml Model OS6050
 - 50 to 100ml Model OS6100 - 100 to 250ml Model OS6250
- Easy operation using simple menus and keypad interface
- Temperature sensor can either be inserted into the heating block or individual reaction vessels

Cat No.		HE820-10	HE820-20	HE820-30	HE820-40
Model		OS1025	OS6050	OS6100	OS6250
Number of wells	mm	10 x 24.5/25.5	6 x 40.5	6 x 56.5	6 x 56.5
x diameter,					
Working volume	ml	2 to 25	5 to 50	50 to 100	100 to 250
Overall	W, mm	300	300	300	300
	D, mm	300	300	300	500
	H, mm	300	450	450	550
Weight	kg	10	10	10	10

As described. Supplied with glassware sets (standard reaction vessels, reducer columns with reflux caps and connecting tubes), heater block, reflux unit, Pt100 temperature probe, stirrer bars and control unit. For 230V 50/60Hz single phase supplies.

HE820-10 OS1025
HE820-20 OS6050
HE820-30 OS6100
HE820-40 OS6250

Accessories and spares

Glass Reaction Vessels

Supplied in packs as indicated.

	Type	Capacity ml	Dia. mm	Pk. qty.
HE822-04	Tubes, plain	25	24	10
HE822-08	Tubes, with probe pocket	25	24	10
HE822-10	Dean & Stark	25	-	10
HE822-12	Flasks, plain	50	40	6
HE822-16	Flasks, baffled	50	40	2
HE822-20	Flasks, crystallisation	50	40	2
HE822-24	Flasks, plain	100	56	6
HE822-28	Flasks, baffled	100	56	2
HE822-32	Flasks, crystallisation	100	56	2
HE822-36	Flasks, plain	250	56	6
HE822-40	Flasks, baffled	250	56	2
HE822-44	Flasks, crystallisation	250	56	2

Rotary Evaporator adapters

With outlets compatible with most proprietary evaporators.

	Type/outlet	For flask/tube ml	Pk. qty.
HE824-07	Plain/B29	25	2
HE824-11	Plain/B34	25	2
HE824-15	Hi-Boil/B29	25	2
HE824-19	Hi-Boil/B34	25	2
HE824-23	Filter*/B29	25	2
HE824-27	Filter*/B34	25	2
HE824-31	Plain/A24	25	2
HE824-35	Hi-Boil/A24	25	2
HE824-39	Filter*/A24	25	2
HE824-43	Plain/A24	50 to 250	2
HE824-47	Hi-Boil/A24	50 to 250	2
HE824-51	Filter*/A24	50 to 250	2
HE824-55	Plain/B29	50 to 250	2
HE824-59	Hi-Boil/B29	50 to 250	2
HE824-63	Filter*/B29	50 to 250	2
HE824-67	Plain/B34	50 to 250	2
HE824-71	Hi-Boil/B34	50 to 250	2
HE824-75	Filter*/B34	50 to 250	2

*For use when extracting from fine powders

- HE826-03 Condenser for 25ml tubes, pk.2
HE826-06 Condenser for 50 to 250ml flasks, pk.2
- HE826-12 Inert atmosphere caps for 25ml tubes, pk.10
HE826-15 Inert atmosphere caps for 50 to 250ml flasks, pk.6
HE826-22 Temperature probe, Pt100
HE826-26 Cooling plug for OS6-series stations only. With inlet/outlet ferrules
HE826-28 Reflux reducing column, Dean & Stark. For azeotropic reactions in 50 to 250ml flasks, pk.2
HE826-35 Nitrogen bubblers, for 50 to 250ml flasks, pk.2
HE826-44 50ml dropping funnel, liquid addition, for 50 to 250ml flasks, pk.2

NEW ITEMS

Microplate Sealer, microTS

Compact, manual, microplate foil heat sealer with low-profile which is ideal for use in cabinets or where space is at a premium.

- Fixed temperature 170°C \pm 2°C
- Single action sealing
- Ergonomic, pull down action
- Rapid warm-up, maximum temperature achieved in 10 minutes
- LED indicators for 'power' and 'heat on'
- Voltage selector for 100 or 230V operation

As described. For 100 or 230V 50/60Hz single phase supplies. Requires, but is not supplied with, adapter plate for operation.

- MN403-25 microTS
MN404-10 Adapter plate for 96-well PCR plates
MN404-15 Adapter plate for standard microplates
MN404-20 Adapter plate for deep well microplates (except Porvair)
MN404-25 Adapter plate for Porvair microplates only

NEW ITEM (Reinstatement from 2000 catalogue)

Grinding Mill A10 Basic

For small scale, high speed grinding of hard, brittle materials with a grain size 6 to 7mm. Stainless steel grinding chamber, volume 50ml, and steel cutter. The grinding chamber is double walled. Cooling water can be circulated in the cavity between the walls via inlet and outlet nozzles for hose connection. Grinding speed 20000rpm. Maximum running time 5 minutes. With electronic overload protection and lid contact safety switch. Overall 120 x 105 x 225mm high. Weight 2.2kg. For 230V 50/60Hz single phase supplies.

- MP300-10 A10 Basic
MP300-12 Tungsten carbide cutter accessory

CANCELLATIONS

**PX485-14 Cancelled, offer PX485-20
PX485-16 Cancelled, offer PX485-25**

NEW ITEMS

Air Generators/Compressors

Bambi

Offering ultra high performance with ultra low noise. Deliver instrument quality air and will replace the use of pressurised gas cylinder air.

- Piston rings all but eliminate oil carryover into the air supply**
- Fitted with integral outlet pressure regulator and gauge**
- Very low particle, liquid or hydrogen contamination of the air produced**

Catalogue No.		PX485-20	PX485-25
Model		35/20	75/150V
Power	kW	0.34	0.50
Flow, approx. litres/minute			
	at 8 bar	31	52
	at atmospheric pressure	50	78
Noise output	db(A)	40	55
Air tank	litres	4	15
Outlet	mm	1/4 inch BSP female thread — both models	
Dimensions	H mm	330	540
	W mm	280	370
	D mm	320	370
Weight	kg	18	32

**As described. Supplied with 10µm air line filter, outlet pressure regulator and gauge.
For 220-240V 50Hz supplies.**

**PX485-20 Model 35/20
PX485-25 Model 75/150V**

Oil-Free Air Generators/Compressors

Bambi

Innovative, compact design, quiet running pumps providing oil-free air for scientific instruments and numerous other applications requiring critical air quality, including gas generation, autosampling and laser cooling.

- ❑ 100% oil-free output
- ❑ Efficient, horizontal twin pump unit
- ❑ Compact design allowing use where space is limited
- ❑ Fitted with outlet pressure regulator (Models HT15 and HT24 additionally include a 10µm air line filter)

Catalogue No.		PX489-10	PX489-30	PX489-60
Model		HT3	HT15	HT24
Power	kW	0.55 — all models		
Flow, approx. litres/minute				
	at 8 bar	27	27	27
	at atmospheric pressure	103	103	103
Noise output	db(A)	53 — all models		
Air tank	litres	3	15	24
Outlet	mm	1/4 inch BSP female thread — all models		
Dimensions	H mm	260	550	530
	W mm	230	370	400
	D mm	430	370	400
Weight	kg	10	14	15

As described. Supplied with outlet pressure regulator (Models HT15 and HT24 additionally include a 10µm air line filter). For 220-240V 50Hz supplies.

PX489-10 Model HT3
 PX489-30 Model HT15
 PX489-60 Model HT24

CANCELLATIONS

PX820-12 Cancelled, offer TY567-12
PX820-16 Cancelled, offer TY567-16
PX820-22 Cancelled, offer TY567-22
PX820-26 Cancelled, offer TY567-26
PX820-32 Cancelled, offer TY567-32
PX820-36 Cancelled, offer TY567-36
PX820-42 Cancelled, offer TY567-42

PX825-12 Cancelled, special order only
PX825-16 Cancelled, special order only
PX825-22 Cancelled, offer TY568-11
PX825-26 Cancelled, offer TY568-16
PX825-32 Cancelled, offer TY568-30
PX825-36 Cancelled, offer TY568-35
PX825-42 Cancelled, offer TY568-39

CANCELLATIONS

RG270-15 Cancelled, offer RG270-17
RG270-27 Cancelled, offer RG270-29
RG270-35 Cancelled, offer RG270-37
RG270-45 Cancelled, offer RG270-47
RG270-50 Cancelled, offer RG270-52
RG270-67 Cancelled, offer RG270-69
RG270-70 Cancelled, offer RG270-72
RG270-87 Cancelled, offer RG270-92
RG270-90 Cancelled, offer RG270-92

NEW ITEMS

Pharmacy Refrigerators

Labcold

For the storage of medicines and vaccines under controlled conditions in surgeries, dispensaries and in general use. Maintain internal air temperature between +2°C and +8°C.

- Intellicold™ controller ensures accuracy and consistency within the specified temperature range whilst only using the power necessary to do so, giving substantially lower running costs
- Built-in temperature display with max/min recording and continuous readout, high/low temperature alarm with reset and “door open” alarm
- Fan assisted air circulation provides enhanced uniformity
- Conform with UK Dept. of Health “Green book”, Royal Pharmaceutical Society (RPS), General Pharmaceutical Council (GPHC) and National Travel Health Network and Centre (NaTHNaC) guidelines
- Integral door lock and internal lighting (glass door models have independent external light switch)
- Remote alarm contacts (except RG270-69 - details on request)
- 13 month temperature data storage with expansion via SD card slot (SD card not included)
- R134a, CFC-, HCFC- and ammonia-free refrigerant and environmentally friendly insulation used
- Painted aluminium interior with enamelled steel exterior (except RG270-69 which has a coated steel interior)

Pharmacy Refrigerators

As described. With automatic defrost, lockable door, Intellicold™ controller, fan air circulation, wire shelves, and solid or double glass-paned doors as indicated. For 230V 50/60Hz single phase supplies.

	Gross cap. litres	H x W x D mm	Weight kg	Shelves supplied
<u>Solid door models</u>				
RG270-17	36	535 x 445 x 465	26	2
RG270-29	66	725 x 450 x 485	28	3
RG270-37	150	820 x 600 x 610	38	3
RG270-47	300	1500 x 600 x 660	64	6
RG270-52	430	1860 x 600 x 700	74	6
RG270-69	505	1695 x 770 x 730	90	5
<u>Glass door models</u>				
RG270-72	150	820 x 600 x 610	43	3
RG270-89	300	1500 x 600 x 660	72	6
RG270-92	430	1860 x 600 x 700	84	6

NEW ITEM

Overboots, opaque

Disposable, heavy duty (150µm thick), opaque polyethylene. Will fit up to UK size 11 (EU size 46), height 450mm. Supplied in a pack of 200 boots.

SA330-65 Overboots, opaque

NEW ITEMS

Tubing, Santoprene®

Highly resistant, medical grade, peristaltic pump tubing offering extended working life and wide chemical compatibility, with USP Class VI and EU 2003/11/EC approval. It is also autoclavable. For highest dispensing precision silicone tubing as recommended. All tubing has 1.6mm wall thickness and is supplied in packs of 15 metres.

Bore x o.d., mm

**TY567-12 0.5 x 3.7
TY567-16 0.8 x 4.0
TY567-22 1.6 x 4.8
TY567-26 3.2 x 6.4
TY567-32 4.8 x 8.0
TY567-36 6.4 x 9.6
TY567-42 8.0 x 11.2**

Santoprene® is a registered trademark of ExxonMobil Chemical Company, USA

CANCELLATION

TY568-10 Cancelled, offer TY568-11

NEW ITEMS

Tubing, silicone

Additional sizes to existing TY568-range. In coils of 30 metres.

Bore x o.d., mm

**TY568-11 1.6 x 4.8
TY568-16 3.2 x 6.4
TY568-39 8.0 x 11.2**

T H E E N D

PRICES FOR NEW ITEMS

Page 10 of 11 Pages

February 2012

CAT. NO.	PRICE £	Per	CODE
BR160-35	18.85	pack	RO
BR400-35	28.30	pack	RO
BR404-35	26.70	pack	RO
HE820-10	5303.00	each	EB
HE820-20	7549.00	each	EB
HE820-30	7288.00	each	EB
HE820-40	7332.00	each	EB
HE822-04	190.00	pack	EB
HE822-08	596.00	pack	EB
HE822-10	413.00	pack	EB
HE822-12	586.00	pack	EB
HE822-16	271.00	pack	EB
HE822-20	271.00	pack	EB
HE822-24	699.00	pack	EB
HE822-28	391.00	pack	EB
HE822-32	293.00	pack	EB
HE822-36	702.00	pack	EB
HE822-40	401.00	pack	EB
HE822-44	301.00	pack	EB
HE824-07	124.00	pack	EB
HE824-11	137.00	pack	EB
HE824-15	154.00	pack	EB
HE824-19	169.00	pack	EB
HE824-23	154.00	pack	EB
HE824-27	169.00	pack	EB
HE824-31	124.00	pack	EB
HE824-35	154.00	pack	EB
HE824-39	154.00	pack	EB
HE824-43	301.00	pack	EB
HE824-47	301.00	pack	EB
HE824-51	301.00	pack	EB
HE824-55	415.00	pack	EB
HE824-59	301.00	pack	EB
HE824-63	301.00	pack	EB
HE824-67	316.00	pack	EB
HE824-71	316.00	pack	EB
HE824-75	316.00	pack	EB
HE826-03	199.00	pack	EB
HE826-06	359.00	pack	EB
HE826-12	1379.00	pack	EB

HE826-15	1131.00	pack	EB
HE826-22	142.00	each	EB
HE826-26	893.00	each	EB
HE826-28	623.00	pack	EB
HE826-35	226.00	pack	EB
HE826-44	361.00	pack	EB
MN403-25	1195.00	each	FO
MN404-10	99.00	each	FO
MN404-15	99.00	each	FO
MN404-20	68.00	each	FO
MN404-25	68.00	each	FO
MP300-10	1343.00	each	MO
MP300-12	141.00	each	MO
PX485-20	665.00	each	EO
PX485-25	890.00	each	EO
PX489-10	540.00	each	RO
PX489-30	560.00	each	RO
PX489-60	570.00	each	RO
RG270-17	540.00	each	EO
RG270-29	590.00	each	EO
RG270-37	860.00	each	EO
RG270-47	1160.00	each	EO
RG270-52	1960.00	each	EO
RG270-69	2680.00	each	EO
RG270-72	1060.00	each	EO
RG270-89	1510.00	each	EO
RG270-92	2125.00	each	EO
SA330-65	35.95	pack	EO
TY567-12	122.00	each	BO
TY567-16	146.00	each	BO
TY567-22	74.00	each	BO
TY567-26	100.00	each	BO
TY567-32	130.00	each	BO
TY567-36	160.00	each	BO
TY567-42	220.00	each	BO
TY568-11	33.95	each	AO
TY568-16	41.65	each	AO
TY568-39	64.25	each	AO
<i>T H E E N D</i>			