

## Digestion systems, Kjeldahl, DKL



- TEMS™ technology: time, energy, money and space saving
- Incredibly fast heating
- Excellent precision ( $\pm 0.5^{\circ}\text{C}$ ), stability and homogeneity
- Full automation
- Rack lowers and raises automatically reducing processing time
- Complete operator protection, audible and visual alarms for abnormal operation, independent safety thermostat
- Excellent sample visibility
- Library of 30 popular applications with capacity to store 24 four step protocols
- Supplied with lift, suction cap, drip tray, sample rack and test tubes.

### Technical Specification - Specific

|                                      | 11775644        | 11785644        | 11795644        | 11705654        |
|--------------------------------------|-----------------|-----------------|-----------------|-----------------|
| Model No                             | DKL8            | DKL12           | DKL20           | DKL42           |
| Dimensions, internal [w x d x h], mm | 210 x 540 X 690 | 266 x 540 X 690 | 322 x 584 X 690 | 322 x 584 X 690 |
| Mass, kg                             | 19.7            | 23.3            | 30.8            | 33.5            |

### Technical Specification - General

|                                       |                                                                       |
|---------------------------------------|-----------------------------------------------------------------------|
| Materials of construction             | Epoxy painted stainless steel structure                               |
| Control                               | Automatic lift control<br>Microprocessor with LCD graphic display     |
| Temperature setting and display       | Digital readout in $^{\circ}\text{C}$ , $^{\circ}\text{F}$ or K       |
| Temperature range, $^{\circ}\text{C}$ | Ambient to 450                                                        |
| Memory                                | 54 program library (24 user programmable memories)                    |
| Heating, ramp rates                   | 4 ramps per program                                                   |
| Calibration, temperature              | 4 ramps per program                                                   |
| Stability                             | $\pm 0.5^{\circ}\text{C}$ (heating block temperature)                 |
| Precision                             | $\pm 0.5^{\circ}\text{C}$ (heating block temperature)                 |
| Digestion time, mins                  | 1 to 999                                                              |
| Count                                 | Digital readout                                                       |
| Alarm systems                         | Visual and audible run complete alerts                                |
| Display                               | 6 standard languages plus an additional customisable (downloadable)   |
| Probe                                 | Automatic detection of temperature probe breakages with alarm message |
| Output                                | USB                                                                   |
| For use with                          | AOAC, EPA, DIN, ISO                                                   |
| Electrical supply                     | 100-240V, 50/60Hz                                                     |

| Catalogue No | Legacy No | Model No | Description                               |
|--------------|-----------|----------|-------------------------------------------|
| 11775644     | -         | DKL8     | For 8 x 250mL tubes, 42mm diameter        |
| 11785644     | -         | DKL12    | For 12 x 250mL/400mL tubes, 42mm diameter |
| 11795644     | -         | DKL20    | For 20 x 250mL tubes, 42mm diameter       |
| 11705654     | -         | DKL42    | For 42 x 100mL tubes, 26mm diameter       |

### Accessories

| Catalogue No | Legacy No | Model No  | Description                                                       | Pack qty |
|--------------|-----------|-----------|-------------------------------------------------------------------|----------|
| 11735654     | -         | A00000173 | DKL 8 sample rack                                                 | 1        |
| 11775654     | -         | A00000172 | DKL 12 sample rack                                                | 1        |
| 11795654     | -         | A00000168 | DKL 20 sample rack                                                | 1        |
| 11715664     | -         | A00000180 | DKL 42/26 sample rack                                             | 1        |
| 13447659     | -         | A00000175 | DKL 8 suction cap and drip tray                                   | 1        |
| 13457659     | -         | A00000174 | DKL 12 suction cap and drip tray                                  | 1        |
| 13467659     | -         | A00000169 | DKL 20 suction cap and drip tray                                  | 1        |
| 13435529     | -         | A00000179 | DKL 42/26 suction cap and drip tray                               | 1        |
| 11745654     | -         | A00000184 | DKL 8 stand for sample rack                                       | 1        |
| 11785654     | -         | A00000183 | DKL 12 stand for sample rack                                      | 1        |
| 11705664     | -         | A00000182 | DKL 20 stand for sample rack                                      | 1        |
| 11705664     | -         | A00000182 | DKL 42/26 stand for sample rack                                   | 1        |
| 11715654     | -         | A00000144 | DKL 8, DKL 12, DKL 20 test tubes, diameter of 42mm x 300mm, 250mL | 3        |
| 11725654     | -         | A00000146 | DKL 42/26 test tubes, diameter of 26mm x 300mm, 100mL             | 6        |
| 13477659     | -         | A00000185 | DKL 12 test tube, diameter of 50mm x 300mm, 400mL                 | 1        |
| 13487659     | -         | A00000181 | DKL 12 sample rack for test tubes 400mL                           | 1        |
| 11755654     | -         | 10003134  | USB cable A/B 1.8m                                                | 1        |
| 11765654     | -         | A00000186 | IQ/OQ manual                                                      | 1        |