

Product Information 2020

Incubators



Standard Incubators

page 2



Refrigerated Incubators
with Peltier cooling

page 2



Drosophila Incubators
with Peltier cooling

page 2



CO₂ Incubators
water or air jacketed

page 3



Shaking Incubators
with or without cooling

page 4



Roll-In Large Capacity Incubators
with or without CO₂ feature

page 5

Ovens



Standard and High Performance Ovens

page 6



Cleanroom Oven

page 7



Vacuum Ovens

page 7

Heating Baths



Water Baths

page 8



Shaking Water Baths

page 8



Lab Armor[®] Bead Baths

page 8

→ Accessories and further equipment available.

Dunn Labortechnik GmbH · Thelenberg 6 · 53567 Asbach · Germany

Tel. +49 (0) 26 83 / 4 30 94 · Fax +49 (0) 26 83 / 4 27 76 · e-mail: info@dunnlab.de · Internet: www.dunnlab.de

Incubators

Standard Incubators

Features:

- Temperature range: 8 °C above ambient to 70 °C
- Temperature uniformity: ± 0.5 °C at 37 °C
- Stainless steel interior and shelves
- No blowers/fans in chamber
- Heated outer door, inner glass door
- 1 interior electrical outlet and 1 access port
- 7" colour display with touchscreen
- Data logging with real time clock and data graphing
- USB port and 4-20 mA outputs
- Door alarm in addition to overtemperature alarm



SMI7-2



SMI11-2



SMI12-2

Cat. No.	Chamber capacity	Shelves	Dimensions exterior (chamber) w x d x h
SMI2-2	56 l	2	approx. 54 x 57 x 66 (38 x 38 x 38) cm
SMI6-2	163 l	3	approx. 65 x 69 x 97 (49 x 51 x 66) cm
SMI7-2	185 l	2	approx. 76 x 79 x 82 (60 x 61 x 51) cm
SMI11-2*	306 l	6	approx. 107 x 69 x 97 (92 x 51 x 66) cm
SMI12-2**	2 x 163 l	2 x 3	approx. 65 x 69 x 193 (49 x 51 x 66) cm

* SMI11-2: unit with 1 chamber and 2 doors, ** SMI12-2: unit with 2 stacked SMI6-2 incubators, separately powered and controlled

Peltier Cooled Incubators

Features:

- Thermoelectric cooling technology eliminates the need for a refrigeration compressor and requires up to 70 % less power
- Temperature range: 15 °C to 40 °C (at 20 °C ambient)
- Temperature uniformity: ± 0.5 °C at 20 °C
- Fan assisted/forced-air circulation
- Over temperature and door alarms
- 1 interior electrical outlet and 1 access port



SRI3P-2



SRI20P-2

Cat. No.	Capacity	Shelves	Dimensions exterior (chamber) w x d x h
SRI3P-2	85 l	2	approx. 61 x 54 x 86 (48 x 43 x 67) cm
SRI6P-2	185 l	2	approx. 76 x 80 x 85 (65 x 61 x 47) cm
SRI20P-2	546 l	5	approx. 76 x 80 x 177 (65 x 61 x 138) cm

Drosophila Incubators

Features:

- Thermoelectric cooling technology eliminates the need for a refrigeration compressor and requires up to 70 % less power
- Day/night controls with LED lighting to provide an excellent environment for Drosophila culture
- Temperature range: 15 °C to 40 °C (at 20 °C ambient)
- Temperature uniformity: ± 0.5 °C at 20 °C
- Fan assisted/forced-air circulation
- Over temperature and door alarms
- 1 interior electrical outlet and 1 access port



SRI6PF-2



SRI20PF-2

Cat. No.	Capacity	Shelves	Dimensions exterior (chamber) w x d x h
SRI6PF-2	185 l	2	approx. 76 x 80 x 85 (65 x 61 x 47) cm
SRI20PF-2	546 l	5	approx. 76 x 80 x 177 (65 x 61 x 138) cm

CO₂-Incubators

Water Jacketed

Features:

- CO₂ range: 0 - 20 %, infrared CO₂ sensor
- CO₂ concentration recovery rate: < 5 minutes
- Temperature range: 5 °C above ambient to 60 °C
- Relative humidity up to 95% through evaporation
- Stainless steel interior and shelves
- Copper shelves on request
- Heated outer door, inner glass door
- Heated copper CO₂ inlet promotes temperature uniformity and prevents moisture being introduced into the chamber
- Over temperature and CO₂ alarm
- Data logging capabilities
- 1 access port
- **Only SCO2W-2 and SCO5W-2:**
Copper-caged HEPA filter to reduce risk of contamination
- **Only SCO5W-2:** Humidity display



Cat. No.	Chamber capacity	Shelves	Dimensions exterior (chamber) w x d x h
SCO2W-2	42 l	3	approx. 53 x 57 x 69 (40 x 40 x 26) cm
SCO5W-2	143 l	3	approx. 66 x 65 x 102 (49 x 50 x 58) cm
SCO6WE-2	171 l	3	approx. 66 x 67 x 102 (51 x 50 x 64) cm
9751223	Stacking Rack for 2 incubators SCO5W-2/SCO6WE-2		

Air Jacketed

Features:

- CO₂ range: 0 - 20 %, infrared CO₂ sensor
- CO₂ concentration recovery rate: < 5 minutes
- Relative humidity up to 95% through evaporation
- Stainless steel interior/shelves
- Copper shelves on request
- Heated outer door, inner glass door
- Over temperature and CO₂ alarm
- Data logging capabilities
- 1 access port
- **SCO5A-2 und SCO10A-2:**
Temperature range: 5 °C above ambient to 60 °C
Copper-caged HEPA filter to reduce risk of contamination
- **SCO10A-2:** Incubator with 2 stacked separate chambers
- **SCO6AD-2:** Incubator with dry heat decontamination
Temperature range: 5 °C above ambient to 50 °C
Dry heat decontamination cycle (180 °C for 120 minutes)



Cat. No.	Chamber capacity	Shelves	Dimensions exterior (chamber) w x d x h
SCO5A-2	142 l	3	approx. 70 x 72 x 96 (52 x 50 x 55) cm
SCO10A-2	2 x 142 l	2 x 3	approx. 70 x 72 x 192 (52 x 50 x 55) cm
SCO6AD-2	169 l	3	approx. 73 x 78 x 100 (51 x 51 x 65) cm

Shaking Incubators

Features:

- Mini Shaking Incubator SSI2-2:**
 - Temperature range: 5 °C above ambient to 70 °C
 - Speed range: 30-300 rpm
 - Transparent hood lifts up
 - Platform included has a non-slip, rubber coated surface
 - Optional available with magnetic platform and accessories
- Standard Shaking Incubator SSI3-2**
 - Temperature range: 8 °C above ambient to 60 °C
 - Speed range: 30-400 rpm
 - Adjustable orbit: 12, 19, 25 mm
 - Transparent hood lifts up
 - Stainless steel interior
 - Supplied with an easy removable universal platform without accessories
- Floor Model SSI5-2:**
 - Temperature range: 8 °C above ambient to 60 °C
 - Speed range 30-400 rpm
 - Adjustable orbit: 12, 19, 25 mm
 - Shelf space for static incubation during shaking
 - Counter balance weighting system for loading flexibility
 - Stainless steel interior
 - Interior light, interior electrical outlet, and access port
 - Supplied with an easy removable universal platform without accessories



SSI2-2



SSI3-2



SSI5-2

Cat. No.	Capacity	Max. load	Dimensions (w x d x h) exterior / chamber / platform
SSI2-2	13 l	4 kg	approx. 29 x 40 x 29 / 23 x 29 x 23 / 23 x 29 cm
SSI3-2	92 l	8 kg	approx. 53 x 61 x 69 / 48 x 51 x 45 / 46 x 46 cm
SSI5-2	144 l	10 kg	approx. 72 x 75 x 103 / 48 x 52 x 57 / 44 x 44 cm

Accessories for SSI2-2 (Incubator is supplied with a non-slip, rubber coated surface)

6420500	Magnetic universal platform without flask holder or racks
1150523	Magnetic flask holder for 50 ml flasks (max. 20)
1150512	Magnetic flask holder for 125 ml flasks (max. 12)
1150511	Magnetic flask holder for 250 ml flasks (max. 8)
1150510	Magnetic flask holder for 500 ml flasks (max. 5)
1150538	Magnetic holder for microtiter plates (max. 4)
1150532	Magnetic test tube rack for 32 x 15 ml test tubes (max. 2)
1150533	Magnetic test tube rack for 15 x 50 ml test tubes (max. 2)
1150513	Magnetic test tube rack for 21 x 15 ml and 12 x 50 ml test tubes (max. 1)
6420505	Universal spring platform (not magnetic) (max. 1)

Accessories for SSI3-2 and SSI5-2 (Incubators are supplied with an easy removable universal platform only)

9530528	Flask holder for 25 ml flasks (max. 50)
9530529	Flask holder for 50 ml flasks (max. 50)
9530530	Flask holder for 125 ml flasks (max. 25)
9530531	Flask holder for 250 ml flasks (max. 25)
9530526	Flask holder for 500 ml flasks (max. 10)
9530532	Flask holder for 1000 ml flasks (max. 6)
9530551	Flask holder for 2000 ml flasks (max. 4)
9530553	Flask holder for 2800 ml flasks, Fernbach style (max. 2)
9900687	Flask holder set, for 10 x: 25/50 ml, 5 x: 125/250 ml, 2 x: 500 ml, 1 x: 1/2/4 l
9751178	Test tube rack for 80 x 14 - 16 ml test tubes (max. 3)
9751181	Test tube rack for 29 x 50 ml test tubes (max. 3)
9900556	Holder for microtiter plates, 2 per set (max.12)

Additional platforms, flask holders and test tube racks in other sizes available on request.

Roll-In Large Capacity Incubators

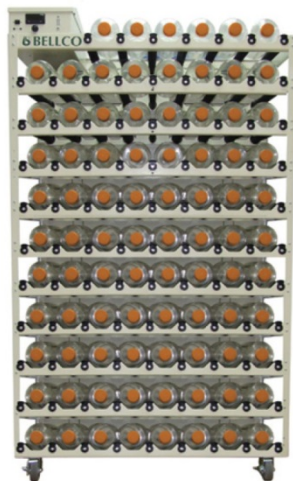
Features:

- Extra large tempered glass viewing window in door
- With guardrails for roller apparatus
- Stainless steel interior and shelves
- Air jacketed
- Over temperature alarm
- 1 interior electrical outlets
- 1 access port
- **Units with CO₂ feature: SCO31-2, SCO40-2, SCO58-2**
 - Temperature range: 8 °C above ambient to 60 °C
 - Temperature uniformity: ± 0.5 °C at 37 °C
 - Infrared CO₂ sensor
 - CO₂ range: 0 - 20 %
 - CO₂ recovery rate: < 5 minutes
 - Data output of CO₂ concentration and temperature via USB port
- **Units without CO₂ feature: SMI31-2, SMI39-2**
 - Temperature range: 8 °C above ambient to 70 °C
 - Temperature uniformity: ± 0.8 °C at 37 °C



Cat. No.	Chamber capacity	Shelves	Dimensions exterior (chamber) w x d x h
SCO31-2	879 l	6	approx. 101 x 86 x 194 (83 x 66 x 160) cm
SCO40-2	1125 l	6	approx. 107 x 85 x 224 (88 x 65 x 193) cm
SCO58-2	1641 l	6	approx. 130 x 114 x 206 (109 x 87 x 171) cm
SMI31-2	872 l	6	approx. 97 x 83 x 186 (82 x 66 x 162) cm
SMI39-2	1092 l	6	approx. 106 x 84 x 229 (90 x 66 x 193) cm

**Also available from us:
Roller Apparatus from Bellco Glass
suitable for the above Roll-In Large Capacity Incubators**



**Please contact us for information on our range of roller bottles
and other cell culture consumables.**

Ovens

Standard Ovens

Features:

- Forced air ovens: SMO1-2, SMO3-2 and SMO5-2**
 - Horizontal air flow
 - Temperature range: 20 °C above ambient to 306 °C
 - Independent over temperature safety feature
 - 1 vent port with sliding dampener at the top
 - 1 access port
- Large forced air ovens: SMO14-2 and SMO28-2**
 - Horizontal air flow
 - Temperature range: 15 °C above ambient to 260 °C
 - Independent over temperature safety feature
 - 2 vent ports with sliding dampener at the upper sides
- Gravity convection ovens: SGO series**
 - Gravity convection air flow
 - For work with powders, granulated and light materials
 - Temperature range: 20 °C above ambient to 306 °C
 - 1 vent port with sliding dampener at the top
 - 1 access port



SMO: Horizontal air flow



SGO: gravity convection air flow



SMO28-2

Cat. No.	Chamber capacity	Shelves	Dimensions exterior (chamber) w x d x h
SMO1-2	42 l	2	approx. 58 x 60 x 80 (31 x 35 x 37) cm
SMO3-2	86 l	2	approx. 69 x 73 x 87 (42 x 49 x 41) cm
SMO5-2	139 l	2	approx. 80 x 72 x 99 (53 x 49 x 52) cm
SMO14-2	387 l	3	approx. 96 x 86 x 122 (78 x 63 x 79) cm
SMO28-2	781 l	6	approx. 96 x 89 x 199 (78 x 64 x 157) cm
SGO1-2	42 l	2	approx. 58 x 60 x 80 (31 x 35 x 37) cm
SGO3-2	97 l	3	approx. 68 x 73 x 84 (42 x 49 x 41) cm
SGO5-2	141 l	3	approx. 80 x 72 x 99 (53 x 49 x 53) cm

High Performance Ovens

Features:

- High performance forced air ovens:**
 - Engineered for continuous drying operations
 - Horizontal air flow, heated air is continuously circulated
 - High temperature door seal gasket eliminates air leakage
 - Independent over temperature safety feature
 - Three adjustable air intake and exhaust ports
 - LED display
- Ovens SMO5HP-2, SMO10HP-2, SMO28HP-2:**
 - Programmable Watlow controller (max. 40 steps or 4 profiles with 10 steps)
 - Temperature range: 15 °C above ambient to 306 °C
 - Data logging capabilities via RS485
- Ovens SMO14HP-2, SMO38HP-2 (with 2 doors):**
 - Programmable Juno dTRON controller (max. 27 steps)
 - Temperature range: 15 °C above ambient to 260 °C



SMO38HP-2



SMO28HP-2

Cat. No.	Chamber capacity	Shelves	Dimensions exterior (chamber) w x d x h
SMO5HP-2	139 l	2	approx. 89 x 78 x 96 (52 x 53 x 51) cm
SMO10HP-2	306 l	3	approx. 112 x 76 x 144 (76 x 52 x 76) cm
SMO14HP-2	392 l	6	approx. 150 x 74 x 145 (78 x 63 x 78) cm
SMO28HP-2	792 l	6	approx. 108 x 87 x 218 (80 x 66 x 154) cm
SMO38HP-2	1083 l	12	approx. 174 x 84 x 200 (122 x 65 x 137) cm

Cleanroom Oven

Features:

- Incorporates all features needed for high temperature cleanroom work
- Temperature range: 20 °C above ambient to 270 °C
- Rapid heat recovery: approx. 6 minutes to reach 150 °C
- Horizontal air flow
- Stainless steel interior (fully welded) and exterior
- Programmable Watlow controller (up to 40 steps or 4 profiles with 10 steps)
- 3 adjustable air intake and exhaust ducts allow use of either room or circulated air, easily removed for cleaning
- Nitrogen inlet port
- High-temperature silicone door gasket
- HEPA filter (Class E11, 95 % retention)
- Airflow performance: Ventilation rate 201 l/min, air velocity across shelf space 44 m/min
- 2 adjustable perforated shelves included, max. 8 shelves usable



SMO5CR-2

Cat. No.	Chamber capacity	Shelves	Dimensions exterior (chamber) w x h x d
SMO5CR-2	110 l	2	approx. 89 x 75 x 96 (43 x 51 x 51) cm
9000559	Stand for SMO5CR-2		

Vacuum Ovens

Features:

- Programmable Watlow controller (up to 40 steps or 4 profiles with 10 steps)
- Stainless steel interior
- RS485 communication port
- Digital vacuum gauge
- Shipped without vacuum pump
- End vacuum: 10 µmHg (10 mTorr, 0.0013 kPa, 0.0133 mbar)
- **Standard ovens: SVAC1-2, SVAC2-2, SVAC4-2**
 - Temperature range: 10 °C above ambient to 220 °C
 - Temperature adjustable by 0.1 °C
 - Different vacuum units available
 - Tempered glass viewing door
- **Large capacity oven: SVAC9-2 (price reduction)**
 - Temperature range: 15 °C above ambient to 220 °C
 - Heat-up time 130 minutes to 150 °C
 - Stand with built-in vacuum pump mount
 - Stainless steel exterior option available for clean room applications (price on request)



SVAC4-2



SVAC9-2

Cat. No.	Chamber capacity	Shelves	Dimensions exterior (chamber) w x d x h
SVAC1-2	16 l	3	approx. 45 x 58 x 60 (23 x 30 x 23) cm
SVAC2-2	47 l	3	approx. 52 x 75 x 67 (30 x 51 x 30) cm
SVAC4-2	127 l	3	approx. 67 x 88 x 82 (46 x 61 x 46) cm
SVAC9-2	264 l	3	approx. 97 x 119 x 162 (71 x 61 x 61) cm

Find out more about our range of anaerobic (BACTRON) and hypoxia (BACTROX) chambers on

www.dunlab.de

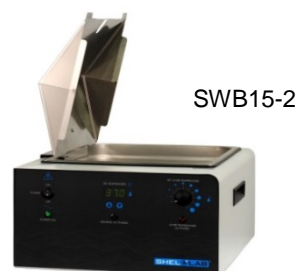


Heating Baths

Water Baths

Features:

- Temperature: 5 °C above ambient to 80 °C, uniformity: $\pm 0.2\%$ at 37 °C
- Over temperature protection
- Recessed heating element prevents „burnout“
- Easy-to-clean stainless steel tank (SWBC22-2: polymer-coated)
- Digital display, front panel touch pad
- Supplied with stainless steel gable cover and thermometer clip
- **Digital single-tank units:** SWB7-2, SWB15-2 and SWB23-2
- **Circulating unit:** SWBC22-2



Cat. No.	Tank capacity	Tank dimensions w x d x h	Unit dimensions w x d x h
SWB7-2	7 l	approx. 30 x 17 x 15 cm	approx. 38 x 32 x 31 cm
SWB15-2	15 l	approx. 30 x 33 x 15 cm	approx. 38 x 48 x 31 cm
SWB23-2	23 l	approx. 29 x 50 x 15 cm	approx. 38 x 64 x 31 cm
SWBC22-2	22 l	approx. 30 x 50 x 15 cm	approx. 38 x 74 x 31 cm

* Dimensions without cover, cover height: approx. 9 cm

Shaking Water Baths

Features:

- Temperature: 5 °C above ambient to 80 °C, uniformity: $\pm 0.2\%$ at 37 °C
- Smooth reciprocal shaking: 20 - 200 rpm, usable without shaking
- Adjustable stroke length: 12, 25, 38 mm
- Recessed heating element prevents „burnout“
- Independent oscillation and temperature controls
- Supplied with stainless steel gable cover, shaking platform and thermometer clip
- Flask holders available on request



SWBR17-2

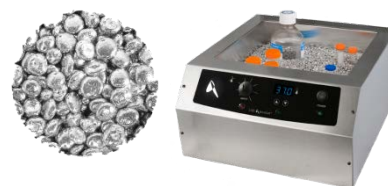
Cat. No.	Tank capacity	Tank dimensions w x d x h	Unit dimensions w x d x h*
SWBR17-2	17 l	approx. 37 x 30 x 19 cm	approx. 63 x 37 x 39 cm
SWBR27-2	27 l	approx. 69 x 30 x 18 cm	approx. 94 x 37 x 39 cm

* Dimensions without cover, cover height: approx. 14.5 cm

LabArmor® Bead Baths

Features:

- Waterless heating bath for less contamination
- LabArmor® beads formed from solid metal (also available separately)
- No need for racks, floats, bottle neck weights or germicides
- Temperature: 5 °C above ambient to 80 °C, uniformity: $\pm 1\%$ at 37 °C
- Over temperature protection
- Supplied with stainless steel cover
- Tall vessel lids for cell culture flasks available on request



Cat. No.	Tank capacity	LabArmor® beads incl.	Tank dimensions w x d x h [cm]	Unit dimensions w x d x h*
74220-706	6 l	5 l	approx. 30 x 15 x 15	approx. 40 x 31 x 22 cm
74220-714	14 l	12 l	approx. 30 x 30 x 15	approx. 40 x 47 x 22 cm
74220-720	20 l	15 l	approx. 30 x 43 x 15	approx. 40 x 59 x 22 cm

* Dimensions without cover. Height of cover approx. 7 cm