DRYSA18, chamber material: galvanically protected steel | polished stainless steel

Colo Science
Laboratory & Scientific Equipment

COLO.SCIENCE · TECHNICAL SPECIFICATION

DRYSA18

Dry Sterilizer 18 L · Hot Air, Natural Convection · LED Controller · RT+10 °C to 300 °C

The **DRYSA18 dry sterilizer** is a small bench-top hot-air unit for salons, practices and small laboratories. It sterilises metal instruments and glassware with dry heat and also works as a drying oven, from 10 °C above room temperature up to 300 °C. There is no fan: the warm air rises by itself, so the unit is quiet and simple. PID controller with LED display and a timer up to 9999 min are standard. Two versions: chamber of galvanically protected steel or of polished stainless steel.

18 L | RT+10 °C TO 300 °C | HOT AIR, NO FAN | LED DISPLAY | PID CONTROLLER | TIMER 0–9999 MIN

Document type: **Technical Specification Sheet**
Product family: **DRYSA18 dry sterilizers (hot air), bench-top, 18 L**
Models / SKU: **DRYSA18 · PRO2994 | DRYSA18S · PRO8274**
Format: **A4 landscape · CORE-TECHSPEC 1.2**

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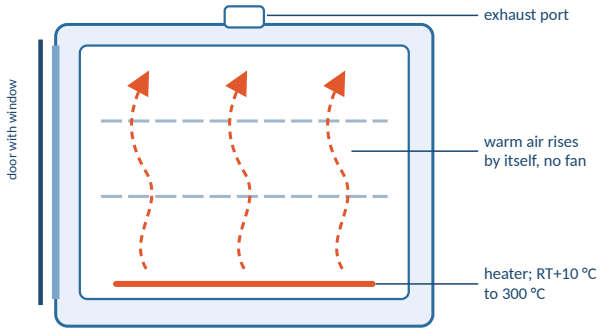
HOT AIR RT+10 °C to 300 °C

18 L
DRYSA18 · PRO2994
galvanically protected steel chamber

18 L
DRYSA18S · PRO8274
polished stainless-steel chamber



DRYSA18 · bench-top dry sterilizer



Inside the chamber · natural convection

VOLUME
18 L

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DRYSA18 · technical specification

Bench-top dry sterilizer (hot air), 18 L, RT+10 °C to 300 °C, natural convection, two chamber materials

18 L | RT+10 °C TO 300 °C | HOT AIR, NO FAN | LED DISPLAY | PID CONTROLLER — Small, quiet, simple

Product Overview

Choose the chamber

DRYSA18: chamber of galvanically protected steel — the economical choice for dry instruments and glassware.

DRYSA18S: chamber of polished stainless steel — easier to wipe clean and more resistant to moisture and frequent cleaning.

Same in both: size, temperature range, controller, timer and shelves.

Key features

Temperature: RT+10 °C to 300 °C, resolution 0.1 °C.

Air circulation: natural convection, no fan.

Control: PID controller with LED display, timer 0–9999 min.

Safety: over-temperature alarm with sound and light.

Chamber: 260 × 260 × 260 mm; 2 shelves supplied, 6 shelf positions, 15 kg per shelf.

Door: window and a handle that stays cool.

Supply: 220 V, 50/60 Hz, 0.6 kW; 110 V on request.

Application profile

Dry-heat sterilisation: metal instruments and glassware in cosmetic and hairdressing salons, podiatry, dental and veterinary practices.

Drying: glassware and small samples in a laboratory or school.

Heating: warming and heat treatment of small items up to 300 °C.

Not for: liquids, textiles, plastics and other items that do not withstand dry heat.

Core technical summary

Parameter	DRYSA18	DRYSA18S
SKU	PRO2994	PRO8274
Chamber	galvanically protected steel	polished stainless steel
Chamber volume	18 L	18 L
Temperature range	RT+10 °C to 300 °C	
Air circulation	natural convection, no fan	
Temperature stability	±1 °C; uniformity ±3.5 %	
Control	PID, LED display, timer 0–9999 min	
Supply	220 V, 50/60 Hz, 0.6 kW; 110 V on request	

VOLUME	TEMPERATURE	AIR	TIMER
18 L	RT+10 °C to 300 °C	Natural, no fan	0–9999 min

RT = room temperature; the setpoint must be at least 10 °C above the temperature of the room. The sterilisation temperature and time are set by the user according to the procedure that applies to their work.

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Models and Chamber Material

Model	SKU	Volume	Chamber material	Inner chamber W × D × H	Exterior W × D × H	Heating power	Net weight
DRYSA18	PRO2994	**18 L**	galvanically protected steel	260 × 260 × 260 mm	380 × 455 × 568 mm	0.6 kW	27 kg
DRYSA18S	PRO8274	**18 L**	polished stainless steel	260 × 260 × 260 mm	380 × 455 × 568 mm	0.6 kW	27 kg

Two shelves are supplied with every unit; 6 shelf positions, 29 mm apart, maximum load 15 kg per shelf. Packed size 500 × 530 × 657 mm, gross weight 35 kg.

Technical Specifications

Temperature and control	Value
Air circulation	natural convection, no fan
Temperature range	RT+10 °C to 300 °C
Resolution	0.1 °C
Temperature fluctuation	±1 °C
Temperature uniformity	±3.5 %
Control	PID controller, LED display, keys
Timer	0–9999 min, with timing-wait function
Sensor	thermocouple, type K

Chamber, housing and supply	Value
Chamber	DRYSA18: galvanically protected steel; DRYSA18S: polished stainless steel
Housing	cold-rolled steel, powder-coated
Insulation	rock wool
Heater	nickel-chromium heating wire
Shelves	2 supplied; 6 positions; 15 kg per shelf
Exhaust port	Ø 28 mm, top; also usable as a test hole
Protection	over-temperature alarm, sound and light
Supply	220 V, 50/60 Hz, 2.7 A, 0.6 kW; 110 V on request

RT = room temperature. Dimensions in mm, W × D × H.

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Heating, Control and Chamber

Dry heat without a fan

Natural convection: the warm air rises from the heater through the chamber by itself; there is no fan and no noise.

PID controller: measured temperature on the upper row of the LED display, setpoint on the lower row.

Range: from 10 °C above room temperature up to 300 °C.

Timer and safety

Timer: 0–9999 min with timing-wait function; heating stops automatically at the end of the set time.

Alarm: sound and light when the temperature goes above the limit.

Memory: settings are kept after a power cut; the parameters can be locked.

Chamber

Two materials: galvanically protected steel (DRYSA18) or polished stainless steel (DRYSA18S).

Shelves: 2 supplied, 6 positions, 15 kg per shelf.

Exhaust port: Ø 28 mm on top, also usable as a test hole for a reference thermometer.

Good practice

Before sterilising: clean and dry the instruments; dry heat does not replace cleaning.

Loading: place the items in one layer and leave space between them and the walls so the warm air reaches every surface.

Cycle: set the temperature and the time by your procedure; let the items cool before you take them out.

Do not load: flammable, explosive or solvent-containing materials.

Installation and care

Place: level, heat-resistant bench with free space around the unit and above the exhaust port.

Supply: earthed 220 V socket.

Cleaning: neutral detergent and a dry cloth, with the unit cold; do not use acids or alkalis in the chamber.

TEMPERATURE	AIR	DISPLAY	TIMER
RT+10 °C to 300 °C	Natural, no fan	LED, 0.1 °C	0–9999 min

RT = room temperature.

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Visuals, Configuration Guidance and Support



DRYSA18 dry sterilizer · 18 L

Ordering information

Item	SKU
DRYSA18 dry sterilizer, 18 L, galvanically protected steel chamber	PRO2994
DRYSA18S dry sterilizer, 18 L, polished stainless-steel chamber	PRO8274
Additional shelf	on request

Configuration checklist

Chamber: galvanically protected steel for dry loads; polished stainless steel when the chamber is cleaned often.

Size: the 18 L chamber is 260 mm wide, deep and high; for larger loads see the DRYSD series from 30 L.

Temperature: working temperature up to 300 °C; the setpoint must be at least 10 °C above the room.

Supply: 220 V or 110 V; confirm the voltage and the plug type for your country.

SUPPLIER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: Send the items you sterilise or dry and how many per run. COLO.Science will confirm the model and the delivery time.

QUICK CONTACT

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COLO.SCIENCE · DRYING AND HEATING SUPPORT

Which DRYSA18 version fits your work?

Send the items and the load per run. COLO.Science will propose the version and confirm the configuration in the quotation.

Web: **colo.si**

Ask us:
Price and current discount, delivery time, installation, application support and service — write to sales@colo.si or call us.

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