DragLab

Innovating Laboratory Solutions

GENERAL CATALOG

DragLab

Innovating Laboratory Solutions

GENERAL CATALOG

Nanodrag technology GmbH
Alfred-Herrhausen-Allee
3-5, D-65760 Eschborn,
Germany

Phone : +49 6196 400816
Fax : +49 6196 400910
Email : info@drag-lab.de

IMPRESSUM

Company Name: DragLab Technology GmbH
Location:
Alfred-Herrhausen-Allee 3-5
D-65760 Eschborn
Germany

Represented by:
DragLab TECHNOLOGY GMBH
Managing Partner: Rassan Habbouch

Email (General): info@drag-lab.de
Website: www.drag-lab.de

Trademark Ownership: Nanodrag Technology GmbH is the legal owner of the registered trademarks "DragLab" and/or "DragLab Technologies", including all associated intellectual property rights and usage.

Registration Court: Amtsgericht Frankfurt
Registration Number: HRB 97258
Legal Form: Gesellschaft mit Beschränkter Haftung (GmbH)
Place of Registration: Eschborn

Sales tax identification number according to § 27a of the sales tax law: DE815459894
Tax Number: 040/240/00861

Contact Details:
Tel: +49 6196 400816
Fax: +49 6196 400910
Email (General): info@drag-lab.de
Website: www.drag-lab.de

Quality Certificate

ISO 9001:2015

International standards is documented for all DragLab products with the certification to ISO 9001:2015 which provide guidance and tools to ensure that our products and services consistently meet customer's requirements, and that quality is consistently improved.
This standard based on a number of quality management principles including a strong customer requirement, the motivation and implication of top management, the process approach and continual improvement.

ISO 14001

DragLab technologies extremely adhere with Environmental management system procedures (ISO 14001) to help avoid or minimize pollution, and comply with environmental regulations to produce high quality products with clean environment by

- Reduction in waste production
- The avoidance in use, and costly disposal of, other hazardous or potentially polluting materials (with associated, potential costs savings)
- Better access to markets and improved relationships with customers

CE

DRAGLAB products are CE-marked which Indicates conformity with health, safety, and environmental protection standards

DRAGLAB products is safer and more reliable; therefore reduce the risk of customer dissatisfaction

CONTENTS

APPLICATION

Wide Product Range for Diverse Industries

At DragLab, we understand the critical requirements of laboratory practice and provide innovative, high-quality equipment tailored to a wide range of industries. Our solutions ensure accuracy, reliability, and performance across diverse applications.

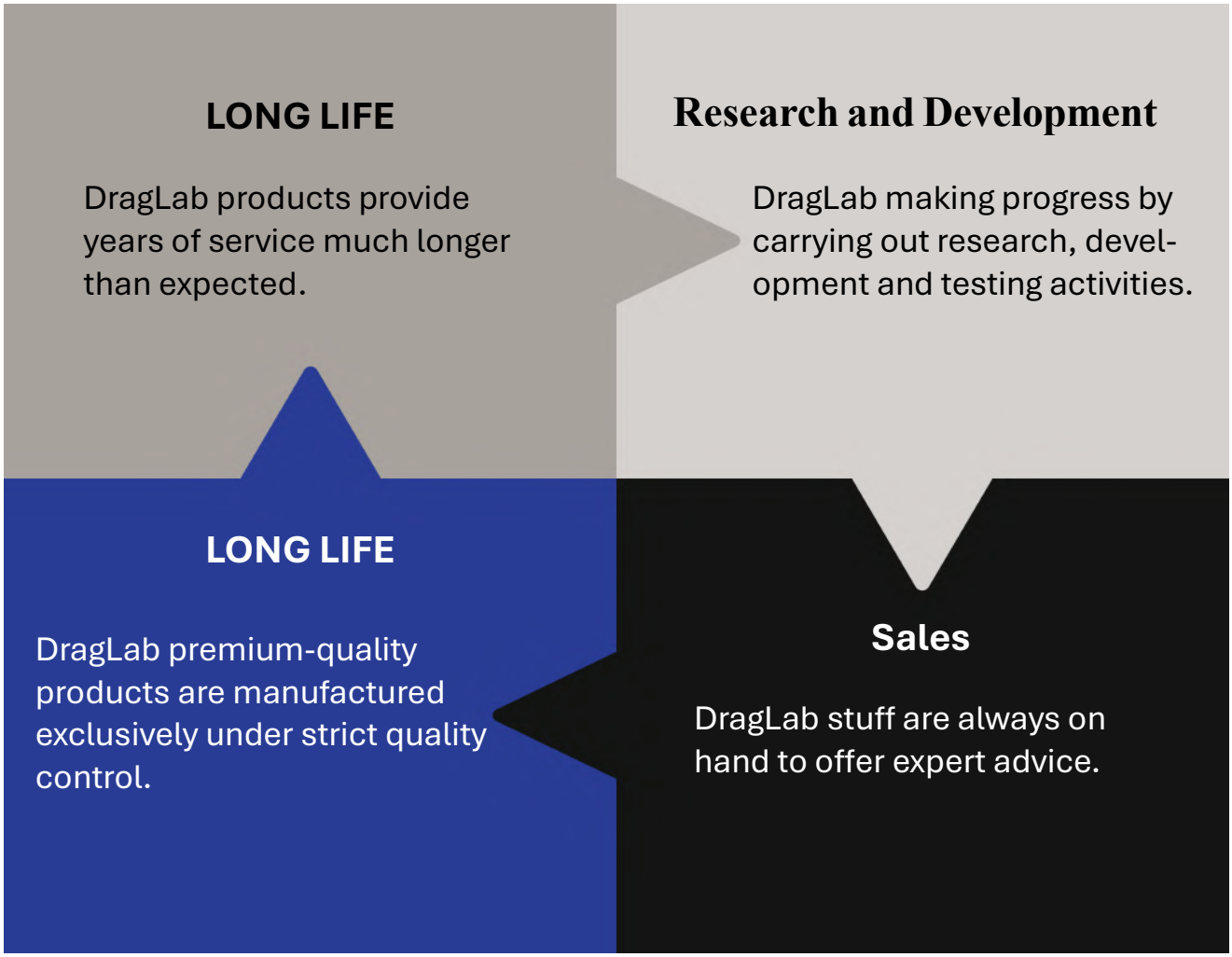
Application Areas

- Biotechnology
- Human diagnostics
- Pharmaceuticals
- Water analysis
- Food and beverage industry
- Chemical industry
- In vitro fertilization
- Cosmetics industry
- Medical research

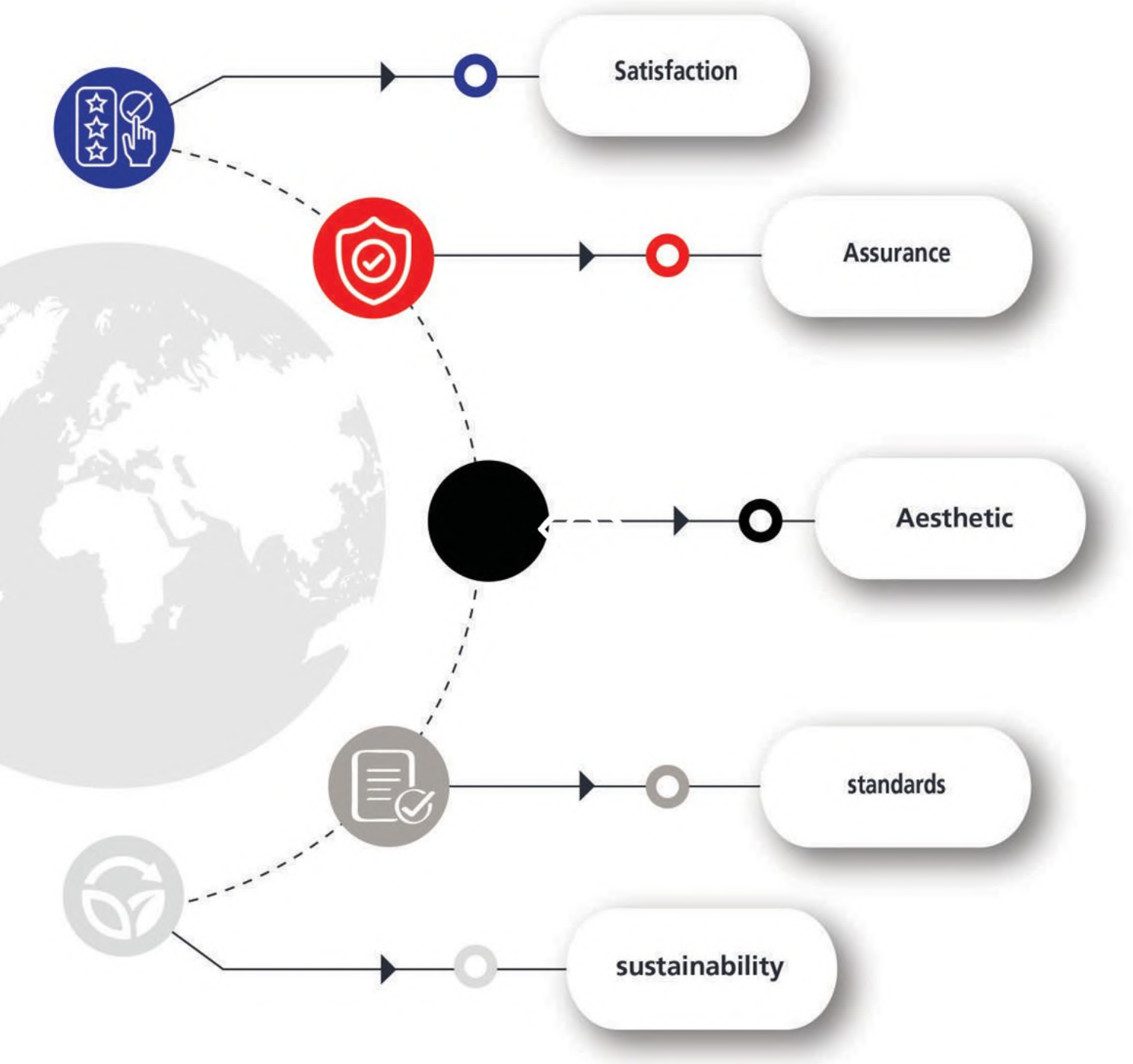
QUALITY SPECIALIST

Draglab ... Quality By Default

The success of a product curve of laboratory devices that meet the toughest demands on quality,reliability, safety and long-term investment will come success a product curve of laboratory devices that meet the toughest demands on quality reliability, safety and long-term investment will continue to be ensured by experience of every-day use in detail ongoing technical advances and an excellent design approach. Draglab produce quality by default.
More than just the sum of impressive product innovations. It is also an expression of our corporate policy, which includes a high degree of quality as our primary goal. continue to be ensured by experience of every-day use in detail, ongoing technical advances and an excellent design approach.



KEY POINT


Satisfaction
Assurance
Aesthetic
standards
sustainability

DRAGLAB...THE"BEST CHOICE FOR YOUR SUCCESS"

Focus

Focusing first to Satisfy business partners laboratory professionals and researchers are the proofs of our reliability worldwide.

Safety

All products comply with the EU Medical Devices Directive, and satisfy the requirements of other safety and performance standards as well.

Quality

DragLab Continuously improving quality assurance system

Warranty

Two years guarantee on the devices and 10 years supporting spare parts for current and past product.

Delivery

Shipping orders within few days as we keep stock of most of our products.

Services

Providing free solutions worldwide through our business partner as well as onsite

Low-cost investment

DragLab Always forced to offer the best price while maintaining the highest quality

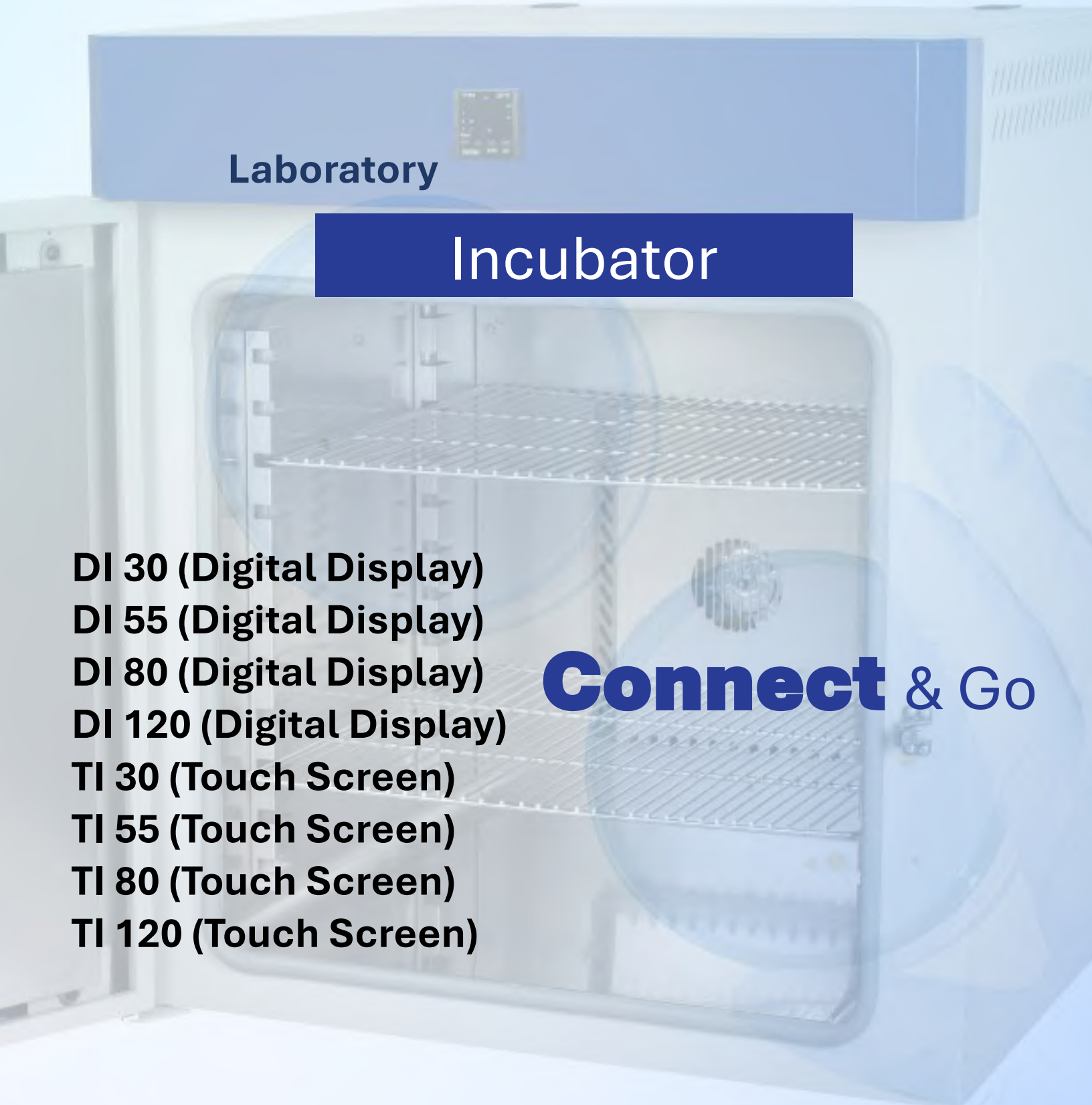
DragLab...Global Network

DragLab global network and international sales partner to ensure that customer challenges are addressed quickly and efficiently with promptly solutions from choosing your perfect unit and installation right through to maintenance and reliable technical support.

DragLab

Laboratory

Incubator



DI 30 (Digital Display)
DI 55 (Digital Display)
DI 80 (Digital Display)
DI 120 (Digital Display)
TI 30 (Touch Screen)
TI 55 (Touch Screen)
TI 80 (Touch Screen)
TI 120 (Touch Screen)

Connect & Go

Incubator Digital Display

DragLab incubator ideal solution for media growth and incubation requirements for research, pharmaceutics, medicine and food chemistry, the forced air heating control system is specially optimized to keep temperature homogenous and exactly at the setpoint value.

Fully controlled environment With DragLab Incubation system

DragLab laboratory incubators has proven its efficiency and accuracy in optimum air circulation inside the fully controlled chamber even when it is fully loaded, all models which presented with different volume sizes are available with an automatized air fan for homogeneous temperature distribution, driven by unique heating system optimally geared to forced air circulation by smart technology to match the intended use. Equipped with a user-friendly software for easy control of many parameters including the temperature and timer. The clear dashboard shows the target and actual display, the status of the device as well as an overview of all events and alarm messages.

Application:

- Clinical microbiology & monitoring
- Biotechnology, cell culture and media preparation
- Testing, analysis and research laboratories
- Microbiology and Bacteriology sample preparation
- Food and beverage production
- Industry and Research
- Cosmetics, skincare products production.
- Pharmaceutical manufacturing and drug formulation.
- Material testing

Quality and Expertise

DragLab is certified to ISO 9001:2015, reflecting our unwavering commitment to quality and excellence. We continuously optimize our production processes, ensuring that every step is efficient and effective. Through ongoing development and innovation, we strive to meet and exceed industry standards. Our customer-centric approach prioritizes the needs and satisfaction of our clients, driving us to maintain rigorous quality assurance protocols. This dedication ensures that laboratory equipment manufactured by DragLab consistently meets the highest standards of quality and reliability.

DragLab Laboratory Devices are meticulously designed and manufactured from high-quality materials to meet the most rigorous requirements of our customers. Our commitment to excellence and innovation drives continuous development and improvement, informed by daily usage and ongoing technological advancements. 'Quality and Expertise' is not just about creating impressive product designs; it reflects our company's policy of prioritizing high preparedness and customer-centric service as our fundamental objective. This dedication extends to all DragLab products, which comply with current European standards and bear the CE mark.

Incubator Digital Display

DRAGLAB incubator ideal solution for media growth and incubation requirements for research, pharmaceutics, medicine and food chemistry, the forced air heating control system is specially optimized to keep temperature homogenous and exactly at the setpoint value.

Dimensions:

Ventilation System:
Airflow with forced air circulation by a fan.

Capacity:
Models are available with useful chamber volumes of 30, 55, 80, and 120 liters.

Display:
7 segment digital display.

Control:
Programmable PID microprocessor.

Temperature:
Controlling temperatures within the range of +20 °C to 100 °C.

Timer:
Timer control ranges from 1 minute to 99 hours and 59 minutes or continuous operation.

Internal shelves:
Two standard shelves.

Interior chamber:
Functional stainless steel AISI 304.

Housing:
Electrostatic powder-coated galvanized steel.

Protection:
Automatic thermostatic protection.

Temperature homogeneity:
Complies with DIN 12880 standards for consistent temperature distribution.

Safety:
European directive 2014/35/EU and 2014/30/EU.

Warranty:
2 years warranty worldwide.

Incubator Digital Display

Specifications:

	DI 30	DI 55	DI 80	DI 120
Interior				
Internal dimensions	320 (W) X 310 (D) X 320 (H) mm	370 (W) X 380 (D) X 370 (H) mm	430 (W) X 435 (D) X 430 (H) mm	510 (W) X 470 (D) X 510 (H) mm
Chamber	Easy to clean Stainless steel material no.: EN 1.4301 (AISI 304)			
Useful volume	30 litter	55 litter	80 litter	120 litter
Standard shelves	2-shelves chrome plated			
Max. number of shelves	5	8	10	11
Permitted load	75 Kg	110 Kg	150 Kg	170 Kg
Load per shelve	15 Kg	15 Kg	15 Kg	15 Kg
Control technology				
Language setting	English			
Control	Adaptive multifunctional digital PID-microprocessor controller			
Display	4 digits, 7 segments digital display			
Timer	Digital backward counter to target time setting			
Timer control	Adjustable from 1 minute to 99:59 hour or continues			
Delay timer	Programmable time delay function			
Function set point wait	The timer does not start until the set temperature reached the set point			
Adjustable parameter	Temperature and time, automatic fan adjustable			
Standard equipment				
External door	External steel door with compression door lock			
Internal door	Inner door made of tempered safety glass			
Calibration certificate	Calibration certificate at +100°C (optional)			
Interior	Easy-to-clean interior made of stainless steel AISI 304 on all sides			
Gasket	Synthetic rubbers gasket			
Housing	Electrostatic powder-coated galvanized steel			
Insulation	Fully isolated chamber by Rockwool covered by an aluminum sheet to ensure high-temperature stability.			

Drying oven - Digital Display

Specifications:

	DI 30	DI 55	DI 80	DI 120
Emergency knob	Manual knob in case of emergency			
External dimensions	470 (W) X 525 (D) X 600 (H) mm	525 (W) X 490 (D) X 650 (H) mm	600 (W) X 620 (D) X 730 (H) mm	660 (W) X 670 (D) X 790 (H) mm
Shelves	2-shelves chrome plated			
Safety				
Auto diagnostic system	Audible alarm for fault analysis			
Alarm	Audible, can be switched off, adjustable limit on the independent temperature safety device			
Standards	DIN 12880 EN 61010-1 and EN 61010-2-010 in accordance with EU directive 2014/35/EU EN 61326-1:213 and EN 61326-1 in accordance with EU directive 2014/30/EU			
Class	Class I electrical equipment in accordance with EU Directive 2014/35/EU			
Protection Class	IP20 according to EN 60529			
Ventilation				
Fan	Forced air circulation by quiet air turbine automatically adjustable			
Working conditions				
Installation	The distance between the wall and the rear of the appliance must be at least 15 cm. The sides distance must be not less than 5 cm. The distance from the ceiling must not be less than 20 cm			
Temperature	+5 °C to +55 °C			
Humidity	Max. 80% rh			
Electrical data				
Voltage	230 volts, 50/60Hz			
Watt	1500 watt			

Drying oven - Digital Display

Specifications:

	DI 30	DI 55	DI 80	DI 120
Shipping information				
Customs tariff number	8419 8998	8419 8998	8419 8998	8419 8998
Dimensions approx. incl. carton	650 (W) X 570 (D) X 800 (H) mm	620 (W) X 640 (D) X 750 (H) mm	650 (W) X 700 (D) X 850 (H) mm	770 (W) X 780 (D) X 960 (H) mm
Net weight	35 Kg	42 Kg	51 Kg	62 Kg
Gross weight carton	41 Kg	48 Kg	57 Kg	70 Kg

Order Information:

Description	Model	Article number
Incubator 30 Lt - Digital display - AMBIENT TEMPERATURE: +20 ºC to 100 ºC - 230V, 50/60Hz	DI 30	1032.300
Incubator 55 Lt - Digital display - AMBIENT TEMPERATURE: +20 ºC to 100 ºC - 230V, 50/60Hz	DI 55	1052.300
Incubator 80 Lt - Digital display - AMBIENT TEMPERATURE: +20 ºC to 100 ºC - 230V, 50/60Hz	DI 80	1082.300
Incubator 120 Lt - Digital display - AMBIENT TEMPERATURE: +20 ºC to 100 ºC - 230V, 50/60Hz	DI 120	1122.300

Incubator Touch Screen

DragLab incubator ideal solution for media growth and incubation requirements for research, pharmaceutics, medicine and food chemistry, the forced air heating control system is specially optimized to keep temperature homogenous and exactly at the setpoint value.

Fully controlled environment With DragLab Incubation system

DragLab laboratory incubators has proven its efficiency and accuracy in optimum air circulation inside the fully controlled chamber even when it is fully loaded, all models which presented with different volume sizes are available with an automatized air fan for homogeneous temperature distribution, driven by unique heating system optimally geared to forced air circulation by smart technology to match the intended use. Equipped with a user-friendly software for easy control of many parameters including the temperature and timer. The clear dashboard shows the target and actual display, the status of the device as well as an overview of all events and alarm messages.

Application:

- Clinical microbiology & monitoring
- Biotechnology, cell culture and media preparation
- Testing, analysis and research laboratories
- Microbiology and Bacteriology sample preparation
- Food and beverage production
- Industry and Research
- Cosmetics, skincare products production.
- Pharmaceutical manufacturing and drug formulation.
- Material testing

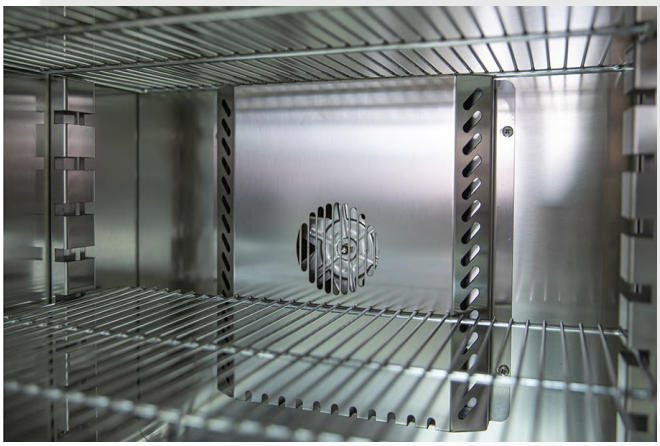
Quality and Expertise

DragLab is certified to ISO 9001:2015, reflecting our unwavering commitment to quality and excellence. We continuously optimize our production processes, ensuring that every step is efficient and effective. Through ongoing development and innovation, we strive to meet and exceed industry standards. Our customer-centric approach prioritizes the needs and satisfaction of our clients, driving us to maintain rigorous quality assurance protocols. This dedication ensures that laboratory equipment manufactured by DragLab consistently meets the highest standards of quality and reliability.

DragLab Laboratory Devices are meticulously designed and manufactured from high-quality materials to meet the most rigorous requirements of our customers. Our commitment to excellence and innovation drives continuous development and improvement, informed by daily usage and ongoing technological advancements. 'Quality and Expertise' is not just about creating impressive product designs; it reflects our company's policy of prioritizing high preparedness and customer-centric service as our fundamental objective. This dedication extends to all DragLab products, which comply with current European standards and bear the CE mark.

Incubator Touch Screen

DRAGLAB incubator ideal solution for media growth and incubation requirements for research, pharmaceutics, medicine and food chemistry, the forced air heating control system is specially optimized to keep temperature homogenous and exactly at the setpoint value.



Dimensions:

Ventilation System:
Airflow with forced air circulation by a fan.

Capacity:
Models are available with useful chamber volumes of 30, 55, 80, and 120 liters.

Display:
Initiative Touch screen display with user-friendly software

Control:
Programmable PID microprocessor.

Temperature:
Controlling temperatures within the range of +20 °C to 100 °C.

Timer:
Timer control ranges from 1 minute to 99 hours and 59 minutes or continuous operation.

Internal shelves:
Two standard shelves for versatile use.

Interior chamber:
Functional stainless steel AISI 304.

Housing:
Electrostatic powder-coated galvanized steel.

Protection:
Automatic thermostatic protection.

Temperature homogeneity:
Complies with DIN 12880 standards for consistent temperature distribution.

Safety:
European directive 2014/35/EU and 2014/30/EU.

Warranty:
2 years warranty worldwide.

Incubator Touch Screen

Specifications:

	TI 30	TI 55	TI 80	TI 120
Interior				
Internal dimensions	320 (W) X 310 (D) X 320 (H) mm	370 (W) X 380 (D) X 370 (H) mm	430 (W) X 435 (D) X 430 (H) mm	510 (W) X 470 (D) X 510 (H) mm
Chamber	Easy to clean Stainless steel material no.: EN 1.4301 (AISI 304)			
Useful volume	30 litter	55 litter	80 litter	120 litter
Standard shelves	2-shelves chrome plated			
Max. number of shelves	5	8	10	11
Permitted load	75 Kg	110 Kg	150 Kg	170 Kg
Load per shelve	15 Kg	15 Kg	15 Kg	15 Kg
Control technology				
Language setting	English			
Control	Adaptive multifunctional digital PID-microprocessor controller			
Display	Initiative Touch Screen display with user friendly software			
Timer	Digital backward counter to target time setting			
Timer control	Adjustable from 1 minute to 99:59 hour or continues			
Delay timer	Programmable time delay function			
Function set point wait	The timer does not start until the set temperature reached the set point			
Adjustable parameter	Temperature and time, automatic fan adjustable			
Standard equipment				
External door	External steel door with compression door lock			
Internal door	Inner door made of tempered safety glass			
Calibration certificate	Calibration certificate at +100°C (optional)			
Interior	Easy-to-clean interior made of stainless steel AISI 304 on all sides			
Gasket	Synthetic rubbers gasket			
Housing	Electrostatic powder-coated galvanized steel			
Insulation	Fully isolated chamber by Rockwool covered by an aluminum sheet to ensure high-temperature stability.			

Incubator Touch Screen

Specifications:

	TI 30	TI 55	TI 80	TI 120
Emergency knob	Manual knob in case of emergency			
External dimensions	470 (W) X 525 (D) X 600 (H) mm	525 (W) X 490 (D) X 650 (H) mm	600 (W) X 620 (D) X 730 (H) mm	660 (W) X 670 (D) X 790 (H) mm
Shelves	2-shelves chrome plated			
Safety				
Auto diagnostic system	Audible alarm for fault analysis			
Alarm	Audible, can be switched off, adjustable limit on the independent temperature safety device			
Standards	DIN 12880 EN 61010-1 and EN 61010-2-010 in accordance with EU directive 2014/35/EU EN 61326-1:213 and EN 61326-1 in accordance with EU directive 2014/30/EU			
Class	Class I electrical equipment in accordance with EU Directive 2014/35/EU			
Protection Class	IP20 according to EN 60529			
Ventilation				
Fan	Forced air circulation by quiet air turbine automatically adjustable			
Working conditions				
Installation	The distance between the wall and the rear of the appliance must be at least 15 cm. The sides distance must be not less than 5 cm. The distance from the ceiling must not be less than 20 cm			
Temperature	+5 °C to +55 °C			
Humidity	Max. 80% rh			
Electrical data				
Voltage	230 volts, 50/60Hz			
Watt	1500 watt			

Incubator Touch Screen

Specifications:

	TI 30	TI 55	TI 80	TI 120
Shipping information				
Customs tariff number	8419 8998	8419 8998	8419 8998	8419 8998
Dimensions approx. incl. carton	650 (W) X 570 (D) X 800 (H) mm	620 (W) X 640 (D) X 750 (H) mm	650 (W) X 700 (D) X 850 (H) mm	770 (W) X 780 (D) X 960 (H) mm
Net weight	35 Kg	42 Kg	51 Kg	62 Kg
Gross weight carton	41 Kg	48 Kg	57 Kg	70 Kg

Order Information:

Description	Model	Article number
Incubator 30 Lt - Touch panel display - AMBIENT TEMPERA TURE: +20 ºC to 100 ºC - 230V, 50/60Hz	TI 30	1032.000
Incubator 55 Lt - Touch panel display - AMBIENT TEMPERA TURE: +20 ºC to 100 ºC - 230V, 50/60Hz	TI 55	1052.000
Incubator 80 Lt - Touch panel display - AMBIENT TEMPERA TURE: +20 ºC to 100 ºC - 230V, 50/60Hz	TI 80	1082.000
Incubator 120 Lt - Touch panel display - AMBIENT TEMPERA TURE: +20 ºC to 100 ºC - 230V, 50/60Hz	TI 120	1122.000

DragLab

Laboratory

Drying Oven

DO 30 (Digital Display)
DO 55 (Digital Display)
DO 80 (Digital Display)
DO 120 (Digital Display)
TO 30 (Touch Screen)
TO 55 (Touch Screen)
TO 80 (Touch Screen)
TO 120 (Touch Screen)

Connect & Go

Drying oven - Digital Display

DRAGLAB innovative drying ovens used in research and industries and medicine for a variety of applications, combine efficiency and performance with exceptionally high levels of precision and short heating-up time features on the list of benefits offered.

Precision Drying Made Easy With DragLab Drying Ovens

DragLab Drying Ovens are the most effective and reliable devices for precise drying, sterilization, and thermal testing, requiring only a power source for operation. This process involves circulating heated air within a controlled chamber to remove moisture from samples, ensuring uniform drying and temperature stability. The forced or natural convection system distributes heat evenly, allowing for consistent and reproducible results across various applications. The insulated chamber minimizes heat loss, enhancing efficiency while maintaining a stable working environment. DragLab drying ovens require minimal maintenance, needing only regular cleaning. Proper airflow and temperature settings should be adjusted to achieve optimal drying performance.

Application:

- Scientific and research laboratories
- Industry and quality assurance applications
- High-accuracy temperature processes, including homogeneous heat distribution and residue-free drying
- Contamination-free processing, sterilization, and safety-compliant applications
- Reliable and precise laboratory experiments with consistent test conditions
- Versatile laboratory tasks, including media preparation and material testing
- Program-controlled heating for industrial, scientific, and research applications

Quality and Expertise

DragLab Laboratory Devices are meticulously designed and manufactured from high-quality materials to meet the most rigorous requirements of our customers. Our commitment to excellence and innovation drives continuous development and improvement, informed by daily usage and ongoing technological advancements. 'Quality and Expertise' is not just about creating impressive product designs; it reflects our company's policy of prioritizing high preparedness and customer-centric service as our fundamental objective. This dedication extends to all DragLab products, which comply with current European standards and bear the CE mark.

DragLab is certified to ISO 9001:2015, reflecting our unwavering commitment to quality and excellence. We continuously optimize our production processes, ensuring that every step is efficient and effective. Through ongoing development and innovation, we strive to meet and exceed industry standards. Our customer-centric approach prioritizes the needs and satisfaction of our clients, driving us to maintain rigorous quality assurance protocols. This dedication ensures that laboratory equipment manufactured by DragLab consistently meets the highest standards of quality and reliability.

Drying oven - Digital Display

DRAGLAB innovative drying ovens used in research and industries and medicine for a variety of applications, combine efficiency and performance with exceptionally high levels of precision and short heating-up time features on the list of benefits offered.

Dimensions:

Ventilation System:
Airflow with forced air circulation by a fan.

Capacity:
Models are available with useful chamber volumes of 30, 55, 80, and 120 liters.

Display:
7 segment digital display.

Control:
Programmable PID microprocessor.

Temperature:
Temperature control ranges from +20 °C to 250 °C.

Timer:
Timer control ranges from 1 minute to 99:59 hour or continues.

Internal shelves:
Two standard shelves.

Interior chamber:
Functional stainless steel AISI 304.

Housing:
Electrostatic powder-coated galvanized steel.

Protection:
Automatic thermostatic protection.

Temperature homogeneity:
In accordance with DIN 12880.

Safety:
European directive 2014/35/EU and 2014/30/EU.

Warranty:
2 years warranty worldwide.

Drying oven - Digital Display

Specifications:

	DO 30	DO 55	DO 80	DO 120
Interior				
Internal dimensions	320 (W) X 310 (D) X 320 (H) mm	370 (W) X 380 (D) X 370 (H) mm	430 (W) X 435 (D) X 430 (H) mm	510 (W) X 470 (D) X 510 (H) mm
Chamber	Easy to clean Stainless steel material no.: EN 1.4301 (AISI 304)			
Useful volume	30 litter	55 litter	80 litter	120 litter
Standard shelves	2-shelves chrome plated			
Max. number of shelves	5	8	10	11
Permitted load	75 Kg	110 Kg	150 Kg	170 Kg
Load per shelve	15 Kg	15 Kg	15 Kg	15 Kg
Control technology				
Language setting	English			
Control	Adaptive multifunctional digital PID-microprocessor controller			
Display	4 digits, 7 segments digital display			
Timer	Digital backward counter to target time setting			
Timer control	Adjustable from 1 minute to 99:59 hour or continues			
Delay timer	Programmable time delay function			
Function set point wait	The timer does not start until the set temperature reached the set point			
Adjustable parameter	Temperature and time, automatic fan adjustable			
Standard equipment				
Door	Fully insulated stainless steel door with door lock			
Calibration certificate	Calibration certificate at +100°C (optional)			
Degassing system	A degassing system ensures pyrogen-free, low-gas, and bacteria-free water.			
Interior	Easy-to-clean interior made of stainless steel AISI 304 on all sides			
Gasket	Synthetic rubbers gasket			
Housing	Electrostatic powder-coated galvanized steel			
Insulation	Fully isolated chamber by Rockwool covered by an aluminum sheet to ensure high-temperature stability.			

Drying oven - Digital Display

Specifications:

Emergency knob	Manual knob in case of emergency			
External dimensions	470 (W) X 525 (D) X 600 (H) mm	525 (W) X 490 (D) X 650 (H) mm	600 (W) X 620 (D) X 730 (H) mm	660 (W) X 670 (D) X 790 (H) mm
Shelves	2-shelves chrome plated			
Safety				
Auto diagnostic system	Audible alarm for fault analysis			
Alarm	Audible, can be switched off, adjustable limit on the independent temperature safety device			
Standards	DIN 12880 EN 61010-1 and EN 61010-2-010 in accordance with EU directive 2014/35/EU EN 61326-1:213 and EN 61326-1 in accordance with EU directive 2014/30/EU			
Class	Class I electrical equipment in accordance with EU Directive 2014/35/EU			
Protection Class	IP20 according to EN 60529			
Ventilation				
Fan	Forced air circulation by quiet air turbine automatically adjustable			
Working conditions				
Installation	The distance between the wall and the rear of the appliance must be at least 15 cm. The sides distance must be not less than 5 cm. The distance from the ceiling must not be less than 20 cm			
Temperature	+5 °C to +55 °C			
Humidity	Max. 80% rh			
Electrical data				
Voltage	230 volts, 50/60Hz			
Watt	1500 watt			

Drying oven - Digital Display

Specifications:

	DO 30	DO 55	DO 80	DO 120
Shipping information				
Customs tariff number	8419 8998	8419 8998	8419 8998	8419 8998
Dimensions approx. incl. carton	630 (W) X 570 (D) X 800 (H) mm	650 (W) X 600 (D) X 840 (H) mm	650 (W) X 700 (D) X 850 (H) mm	770 (W) X 780 (D) X 960 (H) mm
Net weight	35 Kg	45 Kg	55 Kg	65 Kg
Gross weight carton	45 Kg	55 Kg	65 Kg	75 Kg

Order Information:

Description	Model	Article number
Drying oven 30 Lt - Digital display - AMBIENT TEMPERATURE: +20 ºC to 250 ºC - 230V, 50/60Hz	DO 30	3031.300
Drying oven 55 Lt - Digital display - AMBIENT TEMPERATURE: +20 ºC to 250 ºC - 230V, 50/60Hz	DO 55	3051.300
Drying oven 80 Lt - Digital display - AMBIENT TEMPERATURE: +20 ºC to 250 ºC - 230V, 50/60Hz	DO 80	3082.300
Drying oven 120 Lt - Digital display - AMBIENT TEMPERATURE: +20 ºC to 250 ºC - 230V, 50/60Hz	DO 120	3122.300

Drying oven - Touch Screen

DRAGLAB innovative drying ovens used in research and industries and medicine for a variety of applications, combine efficiency and performance with exceptionally high levels of precision and short heating-up time features on the list of benefits offered.

Precision Drying Made Easy With DragLab Drying Ovens

DragLab Drying Ovens are the most effective and reliable devices for precise drying, sterilization, and thermal testing, requiring only a power source for operation. This process involves circulating heated air within a controlled chamber to remove moisture from samples, ensuring uniform drying and temperature stability. The forced or natural convection system distributes heat evenly, allowing for consistent and reproducible results across various applications. The insulated chamber minimizes heat loss, enhancing efficiency while maintaining a stable working environment. DragLab drying ovens require minimal maintenance, needing only regular cleaning. Proper airflow and temperature settings should be adjusted to achieve optimal drying performance.

Application:

- Scientific and research laboratories
- Industry and quality assurance applications
- High-accuracy temperature processes, including homogeneous heat distribution and residue-free drying
- Contamination-free processing, sterilization, and safety-compliant applications
- Reliable and precise laboratory experiments with consistent test conditions
- Versatile laboratory tasks, including media preparation and material testing
- Program-controlled heating for industrial, scientific, and research applications

Quality and Expertise

DragLab Laboratory Devices are meticulously designed and manufactured from high-quality materials to meet the most rigorous requirements of our customers. Our commitment to excellence and innovation drives continuous development and improvement, informed by daily usage and ongoing technological advancements. 'Quality and Expertise' is not just about creating impressive product designs; it reflects our company's policy of prioritizing high preparedness and customer-centric service as our fundamental objective. This dedication extends to all DragLab products, which comply with current European standards and bear the CE mark.

DragLab is certified to ISO 9001:2015, reflecting our unwavering commitment to quality and excellence. We continuously optimize our production processes, ensuring that every step is efficient and effective. Through ongoing development and innovation, we strive to meet and exceed industry standards. Our customer-centric approach prioritizes the needs and satisfaction of our clients, driving us to maintain rigorous quality assurance protocols. This dedication ensures that laboratory equipment manufactured by DragLab consistently meets the highest standards of quality and reliability.

Drying oven - Touch Screen

DRAGLAB innovative drying ovens used in research and industries and medicine for a variety of applications, combine efficiency and performance with exceptionally high levels of precision and short heating-up time features on the list of benefits offered.

Dimensions:

Ventilation System:
Airflow with forced air circulation by a fan.

Capacity:
Models are available with useful chamber volumes of 30, 55, 80, and 120 liters.

Display:
7 segment digital display.

Control:
Programmable PID microprocessor.

Temperature:
Temperature control ranges from +20 °C to 250 °C.

Timer:
Timer control ranges from 1 minute to 99:59 hour or continues.

Internal shelves:
Two standard shelves.

Interior chamber:
Functional stainless steel AISI 304.

Housing:
Electrostatic powder-coated galvanized steel.

Protection:
Automatic thermostatic protection.

Temperature homogeneity:
In accordance with DIN 12880.

Safety:
European directive 2014/35/EU and 2014/30/EU.

Warranty:
2 years warranty worldwide.

Drying oven - Touch Screen

Specifications:

	TO 30	TO 55	TO 80	TO 120
Interior				
Internal dimensions	320 (W) X 310 (D) X 320 (H) mm	370 (W) X 380 (D) X 370 (H) mm	430 (W) X 435 (D) X 430 (H) mm	510 (W) X 470 (D) X 510 (H) mm
Chamber	Easy to clean Stainless steel material no.: EN 1.4301 (AISI 304)			
Useful volume	30 litter	55 litter	80 litter	120 litter
Standard shelves	2-shelves chrome plated			
Max. number of shelves	5	8	10	11
Permitted load	75 Kg	110 Kg	150	170 Kg
Load per shelve	15 Kg	15 Kg	15Kg	15 Kg
Control technology				
Language setting	English			
Control	Adaptive multifunctional digital PID-microprocessor controller			
Display	Initiative Touch screen display with user-friendly software			
Timer	Digital backward counter to target time setting			
Timer control	Adjustable from 1 minute to 99:59 hour or continues			
Delay timer	Programmable time delay function			
Function set point wait	The timer does not start until the set temperature reached the set point			
Adjustable parameter	Temperature and time, automatic fan adjustable			
Standard equipment				
Door	Fully insulated stainless steel door with door lock			
Calibration certificate	Calibration certificate at +100°C (optional)			
Degassing system	A degassing system ensures pyrogen-free, low-gas, and bacteria-free water.			
Interior	Easy-to-clean interior made of stainless steel AISI 304 on all sides			
Gasket	Synthetic rubbers gasket			
Housing	Electrostatic powder-coated galvanized steel			
Insulation	Fully isolated chamber by Rockwool covered by an aluminum sheet to ensure high-temperature stability.			

Drying oven - Touch Screen

Specifications:

	TO 30	TO 55	TO 80	TO 120
Emergency knob	Manual knob in case of emergency			
External dimensions	470 (W) X 525 (D) X 600 (H) mm	525 (W) X 490 (D) X 650 (H) mm	600 (W) X 620 (D) X 730 (H) mm	660 (W) X 670 (D) X 790 (H) mm
Shelves	2-shelves chrome plated			
Safety				
Auto diagnostic system	Audible alarm for fault analysis			
Alarm	Audible, can be switched off, adjustable limit on the independent temperature safety device			
Standards	integrated independent temperature safety device with visual alarm accordance DIN 12880 EN 61010-1 and EN 61010-2-010 in accordance with EU directive 2014/35/EU EN 61326-1:213 and EN 61326-1 in accordance with EU directive 2014/30/EU			
Class	Class I electrical equipment in accordance with EU Directive 2014/35/EU			
Protection Class	IP20 according to EN 60529			
Ventilation				
Fan	Forced air circulation by quiet air turbine automatically adjustable			
Working conditions				
Installation	The distance between the wall and the rear of the appliance must be at least 15 cm. The sides distance must be not less than 5 cm. The distance from the ceiling must not be less than 20 cm			
Temperature	+5 °C to +55 °C			
Humidity	Max. 80% rh			
Electrical data				
Voltage	230 volts, 50/60Hz			
Watt	1500 watt			

Drying oven - Touch Screen

Specifications:

	TO 30	TO 55	TO 80	TO 120
Shipping information				
Customs tariff number	8419 8998	8419 8998	8419 8998	8419 8998
Dimensions approx. incl. carton	630 (W) X 570 (D) X 800 (H) mm	650 (W) X 600 (D) X 840 (H) mm	650 (W) X 700 (D) X 850 (H) mm	730 (W) X 770 (D) X 970 (H) mm
Net weight	35 Kg	42 Kg	51 Kg	62 Kg
Gross weight carton	41 Kg	48 Kg	57 Kg	70 Kg

Order Information:

Description	Model	Article number
Drying oven 30 Lt - Touch panel display - AMBIENT TEMPERA TURE: +20 ºC to 300 ºC - 230V, 50/60Hz	TO 30	3032.000
Drying oven 55 Lt - Touch panel display - AMBIENT TEMPERA TURE: +20 ºC to 300 ºC - 230V, 50/60Hz	TO 55	3052.000
Drying oven 80 Lt - Touch panel display - AMBIENT TEMPERA TURE: +20 ºC to 300 ºC - 230V, 50/60Hz	TO 80	3082.000
Drying oven 120 Lt - Touch panel display - AMBIENT TEMPERA TURE: +20 ºC to 300 ºC - 230V, 50/60Hz	TO 120	3122.000

Laboratory

Water Bath

DW 06
DW 10
DW 15
DW 25
DW 35
DW 50

Connect & Go

Water Bath

The Drag Lab water bath is an ideal solution for various laboratory applications including biotechnology, chemistry, and environmental sciences. It offers precise PID digital temperature control ranging ambient from 5ºC to 100ºC. DragLab water bath volume starting from 6 to 50 litter useful tank volume and comes with an integrated drain faucet and adjustable feet, ergonomic grip making it easy to handle and safe to use.

DragLab Water Bath: Precision, Durability, and Efficiency for Laboratory Applications

DragLab water bath is a laboratory device that provides consistent and controlled temperature conditions for general-purpose applications. It features an easy-to-clean stainless steel interior tank, and importantly, the stainless steel heating element is located inside to facilitate rapid warm-up and responsive heating. Additionally, the powder-coated steel exterior ensures durability. Furthermore, the integrated drain faucet allows for quick and clean draining, while the ergonomic side grips ensure easy transportation. Moreover, adjustable feet provide stability. in addition, a circulating pump to enhance performance and temperature homogeneous. The device also includes a digital display for setting and viewing temperatures, a timer, and bath status, a 304 stainless steel cover reduces heat loss and ensures uniform temperatures and a Perforated bottom plate prevents direct contact with heating elements Finally, the volume range from 6L to 50L accommodates various application needs

Application:

- Biotechnology laboratories.
- Academic and Research Institutions.
- Healthcare and Clinical Laboratories.
- Food and beverage production.
- Environmental Testing laboratories.
- Cosmetics, skincare products production.
- Pharmaceutical industries.
- Chemical laboratories and sample preparation.

Quality and Expertise

DragLab is certified to ISO 9001:2015, reflecting our unwavering commitment to quality and excellence. We continuously optimize our production processes, ensuring that every step is efficient and effective. Through ongoing development and innovation, we strive to meet and exceed industry standards. Our customer-centric approach prioritizes the needs and satisfaction of our clients, driving us to maintain rigorous quality assurance protocols. This dedication ensures that laboratory equipment manufactured by DragLab consistently meets the highest standards of quality and reliability.

DragLab Laboratory Devices are meticulously designed and manufactured from high-quality materials to meet the most rigorous requirements of our customers. Our commitment to excellence and innovation drives continuous development and improvement, informed by daily usage and ongoing technological advancements. 'Quality and Expertise' is not just about creating impressive product designs; it reflects our company's policy of prioritizing high preparedness and customer-centric service as our fundamental objective. This dedication extends to all DragLab products, which comply with current European standards and bear the CE mark.

Water Bath

The Drag Lab water bath is an ideal solution for various laboratory applications including biotechnology, chemistry, and environmental sciences. It offers precise PID digital temperature control ranging ambient from 5ºC to 100ºC. DragLab water bath volume starting from 6 to 50 litter useful tank volume and comes with an integrated drain faucet and adjustable feet, ergonomic grip making it easy to handle and safe to use.

Features:

Capacity:
Available tank capacities: 6L, 10L, 15L, 25L, 35L, and 50L.

Display:
Digital display for setting and viewing temperatures, with a timer function.

Control:
Easy operation with intuitive controls and a user-friendly interface.

Protection:
- The mains switch is protected against spray water for safe operation in potentially wet conditions.
- Integrated safety feature prevents operation under dry conditions.

Drain System:
Integrated drain faucet for easy and convenient tank emptying.

Maintenance:
Easily accessible tank for effortless cleaning and maintenance.

Material:
- **Tank:** Stainless steel AISI 304.
- **Heating element:** Stainless steel.
- **Housing:** Galvanized steel, electrostatically powder-coated.

Handling:
Ergonomic side grips for easy transportation.

Adjustable feet for enhanced stability.

Energy Efficiency:
Energy-saving features for efficient operation and reduced power consumption.

Water Bath

Specifications:

	DW 06	DW 10	DW 15	DW 25	DW 35	DW 50
Interior						
Internal material	Internal tank made of stainless steel AISI 304					
Internal dimensions	300 W X 150 D X 200 H (mm)	300 W X 240 D X 200 H (mm)	300 W X 330 D X 200 H (mm)	505 W X 300 D X 200 H (mm)	625 W X 505 D X 150 H (mm)	625 W X 505 D X 200 H (mm)
Plate	The perforated bottom plate is included.					
volume	6 litter	10 litter	15 litter	25 litter	35 litter	50 litter
Liquid level minimum	40 mm	40 mm	40 mm	40 mm	40 mm	40 mm
Liquid level maximum	165 mm	165 mm	165 mm	165 mm	115 mm	165 mm
Control technology						
Control	PID microprocessor digital controller.					
Display	4 Digit 7 segment digital display.					
Calibration	1 point calibration.					
Timer	Digital timer from 1 min. up to 9999 min. with delay function.					
						Standard equipment
Heating element	Heating element made of stainless steel (material no.: EN 1.4301).					
Drain system	Integrated with drain tap - easy to empty					
External material	Housing material made of galvanized steel, electrostatically powder-coated					
Circulation	Built in circulating pump to enhance performance and temperature homogeneous					
Main switch	The mains switch with led light and protected against spray water					
cover	stainless steel cover reduces heat loss and ensures a uniform temperature					

Water Bath

Specifications:

	DW 06	DW 10	DW 15	DW 25	DW 35	DW 50
Safety						
Alarm	Adjustable limit on the independent temperature safety device					
Auto diagnostic system	microprocessor PID-temperature controller with integrated autodiagnostic					
Class	Class I in accordance with the EU directive MDD 93/42/EEC					
Protection Class	IP20 according to EN 60529					
Standards	EN 61010-1 and EN 61010-2-010 in accordance with EU directive 2014/35/EU EN 61326:2021 in accordance with EU directive 2014/30/EU					
Electrical data						
Voltage	230 volts, 50/60Hz					
Watt	1000 watts					
						Temperature
Setting temperature range	+5.00 °C to 100.00 °C					
Setting accuracy	0.1 °C	0.1 °C	0.1 °C	0.1 °C	0.1 °C	0.1 °C
Temperature unit	Easy to choose Celsius or Fahrenheit.					
Temperature sensor	1 Pt100 sensor DIN class A in 2-wire-circuit.					
						Shipping information
Customs tariff number	8419 8998	8419 8998	8419 8998	8419 8998	8419 8998	8419 8998
Packaging Dimension	430 X 450 X 240 (mm)	430 X 450 X 340 (mm)	430 X490 X 390 (mm)	430 X 650 X 690 (mm)	420 X 650 X 690 (mm)	420 X 650 X 720 (mm)
Net weight	8 Kg	12 Kg	20 Kg	26 Kg	30 Kg	31 Kg
Gross weight carton	10 Kg	14 Kg	22 Kg	30 Kg	33 Kg	34 Kg

Water Bath

Order Information:

Description	Model	Article number
Water Bath volume 6 L, 220V/50-60 Hz	DW 06	2006.000
Water Bath volume 10 L, 220V/50-60 Hz	DW 10	2010.000
Water Bath volume 15 L, 220V/50-60 Hz	DW15	2015.000
Water Bath volume 25 L, 220V/50-60 Hz	DW 25	2025.000
Water Bath volume 35 L, 220V/50-60 Hz	DW 35	2035.000
Water Bath volume 50 L, 220V/50-60 Hz	DW 50	2050.000

Laboratory

Water Distillation

DS 2000
DS 4000
DS 8000
DS 8008
DS 8012
DS 8025

Connect & Go

Laboratory Water Still

Professional, fully automatic water distiller with a production capacity from 2 liters per hour to 25 liters per hour and with or without integrated storage tank. Constructed from high-quality stainless steel, this distiller is designed to produce high-purity distillate autonomously, eliminating the need for continuous personnel supervision.

Effortless Water Purity With DragLab Distillation Solutions

DragLab Distillation Units are the most effective and reliable devices for producing pure water, requiring only a connection to raw water and a power source. This process involves transforming raw water (tap water) into steam and then back into liquid, effectively separating water from impurities with higher boiling points. The resulting steam, once condensed, produces distilled water with a purity of approximately 99.5%, removing salts, organic substances, microorganisms, pyrogens, and bacteria. DragLab water distillation units require minimal maintenance, needing only regular cleaning. Distilled water should be used quickly or stored airtight to maintain its quality.

Application:

- Biotechnology, cell culture and media preparation
- Testing, analysis and research laboratories
- Microbiology and Bacteriology sample preparation
- Food and beverage production
- Sterilization, cleaning and Medical equipment.
- Cosmetics, skincare products production.
- Electronics and Automotive.
- Pharmaceutical manufacturing and drug formulation.

Quality and Expertise

DragLab is certified to ISO 9001:2015, reflecting our unwavering commitment to quality and excellence. We continuously optimize our production processes, ensuring that every step is efficient and effective. Through ongoing development and innovation, we strive to meet and exceed industry standards. Our customer-centric approach prioritizes the needs and satisfaction of our clients, driving us to maintain rigorous quality assurance protocols. This dedication ensures that laboratory equipment manufactured by DragLab consistently meets the highest standards of quality and reliability.

DragLab Laboratory Devices are meticulously designed and manufactured from high-quality materials to meet the most rigorous requirements of our customers. Our commitment to excellence and innovation drives continuous development and improvement, informed by daily usage and ongoing technological advancements. 'Quality and Expertise' is not just about creating impressive product designs; it reflects our company's policy of prioritizing high preparedness and customer-centric service as our fundamental objective. This dedication extends to all DragLab products, which comply with current European standards and bear the CE mark.

Laboratory Water Still

Professional, fully automatic water distiller with a production capacity from 2 liters per hour to 25 liters per hour and with or without integrated storage tank. Constructed from high-quality stainless steel, this distiller is designed to produce high-purity distillate autonomously, eliminating the need for continuous personnel supervision.

Features:

Distillation Capacity:
Available distillation capacities: 2 L/h, 4 L/h, 8 L/h, 12 L/h, and 25 L/h.

Storage Tank:
Available storage tank capacities: 8 L, 16 L, 24 L, and 50 L.

Purity:
High-purity distilled water with conductivity of approximately 2.5 µS/cm at 25 °C.

Water Quality:
Pyrogen-free, low-gas, and bacteria-free water.

Protection:
Automatic thermostatic low-water cut-off to protect the heating element in case of low water.

Operation:
Automatic water switching for continuous functionality.

Energy Efficiency:
Energy and water-saving through an automatic distillation process.

Display:
Screen indicating water level in the storage tank, heater operation status, water supply, error status check, and user instructions.

Maintenance:
Easily accessed evaporator tank for effortless cleaning and maintenance.

Material:
All water contact materials are made of stainless steel (material no.: EN 1.4301).

Heating Element:
Made of stainless steel (material no.: EN 1.4301).

Housing:
Galvanized steel with electrostatic powder coating.

Installation:
Suitable for both bench and wall mounting.

Accessories:
All parts and accessories for installation included.

Laboratory Water Still

Specifications:

	DS 2000	DS 4000	DS 8000	DS 8008	DS 8012	DS 8025
Capacity						
Capacity	2 L/h	4 L/h	4 L/h	8 L/h	12 L/h	25 L/h
Storage tank	-	-	8 L	16 L	24 L	50 L
Cool water consumption	40 L/h	40 L/h	40 L/h	80 L/h	135 L/h	250 L/h
Conductivity	~ 2,5 µS/cm at 25 °C	~ 2,5 µS/cm at 25 °C	~ 2,5 µS/cm at 25 °C	~ 2,5 µS/cm at 25 °C	~ 2,5 µS/cm at 25 °C	~ 2,5 µS/cm at 25 °C
Control technology						
Fully Automatic	Automatic thermostatic power cut-off to protect the heating element in case of low water					
	Automatic power activation when the water level reaches the safety line in the heating tank to protect the heating element.					
	-	-	Automatic power on/off the device based on the water level in the storage tank.			
Water supply	A built-in solenoid valve is connected to the evaporator and cooler, with automatic switching on/off based on the water level in the evaporator tank.					
Standard equipment						
Internal material	All material contact water is made of Stainless steel AISI 304					
External material	The housing is made from galvanized steel and coated with electrostatic powder.					
Degassing system	A degassing system ensures pyrogen-free, low-gas, and bacteria-free water.					
Accessing interior	The evaporator and storage tanks are easily accessible for cleaning and maintenance, facilitating efficient cleaning procedures.					
Installation	All necessary parts and accessories for installation are included.					
Distillate water withdrawal	Distillate water can be withdrawn by continuously or push mode from front tap.					
Main switch	The main power switch button located on the front of the unit					
Screen	-	-	The device features a screen indicating water level in the storage tank, heater operation status, water supply, error status check, and user instructions.			
Led light	Two LED lights on the front: a green light indicating standby operation and a red-light indicating faults.	-	-	-	-	

Laboratory Water Still

Specifications:

	DS 2000	DS 4000	DS 8000	DS 8008	DS 8012	DS 8025
Mounting	Suitable for both benchtop and wall mounting.					
Safety						
Water	Low water level sensor with automatic power cut-off to protect the heating element.					
Heating	Overheating cut-off					
Error indicator	Red LED alarm indicator for faults & errors		The screen displays startup tests for the heating element and provides visual alarms for faults and errors.			Red LED alarm indicator for faults & errors
Power connection	Power cable with German shock-proof type (Schuko)) plug			Power cable with 5 pins three-phase CEE plug.		
Connection						
Water inlet	The cooling water inlet is located on the right-hand side of the unit, with a diam eter of 3/4 inch (Ø 19.05 mm).					
Water pressure range	From 2 bars to 10 bars					
Water outlet	The cooling water outlet is located on the right-hand side of the unit, with a di ameter of 2/5 inch (inner Ø 10 mm).					
Drainage tap	The drainage tap is located on the right-hand side of the unit, with a diameter of 2/5 inch (inner Ø 10 mm).					
Distillate water	Distillate water can be withdrawn by continuously or push mode from front tap.					
Power	The main connection cable on the left-hand side of the unit					
						Electrical data
Voltage	230 volts, 50/60Hz			380 volts, 50/60Hz		
Watt	2000 watts	3000 watts		6000 watts	9000 watts	18000 watts
Shipping information						
Packaging Di-mension	53 W X 50 D X 75 H (CM)	53 W X 50 D X 75 H (CM)	80 W X 45 D X 72 H (CM)	94 W X 54 D X 84 H (CM)	95 W X 57 D X 83 H (CM)	123 W X 77 D X 87 H (CM)
Net weight	22 Kg	22 Kg	27 Kg	40 Kg	50 Kg	87 Kg
Gross weight carton	27 Kg	27 Kg	32 Kg	46 Kg	56 Kg	98 Kg

Laboratory Water Still

Order Information:

Description	Model	Article number
Water Still – Capacity: 2 L/H – 230V, 50/60Hz	DS 2000	5022.000
Water Still – Capacity: 4 L/H – 230V, 50/60Hz	DS 4000	5042.000
Water Still – Capacity: 4 L/H, 8 L storage Tank –230V, 50/60Hz	DS 8000	5082.000
Water Still – Capacity: 8 L/H, 16 L Storage Tank –400V, 50/60Hz	DS 8008	5008.000
Water Still – Capacity: 12 L/H, 24 L Storage Tank –400V, 50/60Hz	DS 8012	5012.000
Water Still – Capacity: 25 L/H, 50 L Storage Tank –400V, 50/60Hz	DS 8025	5025.000

DragLab

Innovating Laboratory Solutions

Nanodrag technology GmbH
Alfred-Herrhausen-Allee
3-5, D-65760 Eschborn,
Germany

Phone : +49 6196 400816
Fax : +49 6196 400910
Email : info@drag-lab.de