



AIR SCIENTIFIC

Laboratory Oven - AS120INDUS



Precision meets innovation

Building on the proven performance of the Air Expert range, the new Air Scientific ovens combine efficiency and reliability with a modern, intuitive touchscreen interface and upgraded software. With perfectly uniform heat distribution, rapid thermal response, and a high-performance fan system, it delivers faster processing times and consistent results – helping the user save valuable time without compromising accuracy.

MODELS AVAILABLE	120 L
Air Scientific, plain door	AS120INDUS
WARRANTY	
Parts	2 years



Intuitive
Touchscreen
Interface



Perfect
Temperature
Homogeneity



Adjustable
Fan
Speed

Technical Specifications

AIR SCIENTIFIC - LABORATORY OVENS		
MODEL	AS120	
GENERAL SPECIFICATION		
Net Volume	117 L	
Ext Dimension (WxDxH)	630 x 730 x 850 mm	
Int Dimension (WxDxH)	500 x 470 x 500 mm	
Ext Construction	Electrogalvanised steel with epoxy paint	
Int Construction	Brushed stainless steel inner tank	
Net weight	58 kg	
Standard construction	1 fully closed door, easy hands-free closure / 1 power cord (1.5m)	
Shelves (WxD)	480 x 430 mm: 2 anti-tilt stainless steel perforated shelf as standard (max/shelf: 35 kg distributed). Maximum numbers of shelves: 10 (max total weight: 50 kg)	
Ambient temperature	From +18°C to +32°C	
Use	Indoor use only	
Environment	Not designed for use in explosive atmospheres (ATEX)	
Warranty	2 years	
CONTROL		
Display	7 inch Touch Screen, compatible with use of gloves	
Software	Embedded and upgradable software: • Manual mode including realtime temperature value, set temperature value, realtime temperature profile • Automatic program mode including scheduler overview • 5 preset programs: 5 different programs • program settings : program name editing, step configuration including up to 16 different temperatures, ramp time, stabilisation time, etc.	
Languages	English, French, Spanish, Chinese, German, Romanian	
Remote Access	Unit can be connected to a computer to allow a remote access	
Data	Temperature profiles, alarms can be exported on USB stick (CSV file format)	
Settings	• Alarms • Brightness • Date/Time • User profile login: user, admin and service access • Language • Ethernet	
Communication	USB port, Ethernet Port	
HEATING SYSTEM		
System	Heating convection ensured by fan with adjustable speed (25 to 100%), no risk of conduction or radiation	
Ventilation	Turbine ventilation ensuring temperature homogeneity	
Air Flow Control	Renewal adjustable front air intake with rear exhaust Adjustment valve designed to evacuate humidity in a natural way: forced air extraction from the rear of the enclosure for better drying performances, due to humidity exhaust, greater air renewal. Long life duration without corrosion	
ELECTRIC AND ELECTRONIC DATA		
Controller type	Electronic PID self regulating and self-adaptive	
Temperature probe	1 x Pt100 3 wires probe	
List of alarms	High temperature / Over temperature safety class II according to the European standard EN 61010-2-010 (DIN 3.1 equivalent)	
Type of alarm	Visual	
Energy consumption	1000W	
Types of power supply	230 V 50 Hz + T / 208V/60Hz (on demand) / 110V 50/60Hz (on demand)	
PERFORMANCES (AMBIENT TEMPERATURE : 22°C)		
Temperature range	Amb +10°C to 250°C, 1/10th degree display (set and actual temperature)	
Temporal stability	+/-0.2°C	
Homogeneity at +150°C	+/-1.4°C	
OPTIONS & CONFORMITIES		
Options	• Stainless steel wire shelf • Stainless steel with anti-tilt safety • Reinforced stainless steel shelf with anti-tilt safety • Base with 4 casters (Diam: 80 mm, 2 with brakes, total H: 250 mm) • Stacking kit including 2 spacers, a key and an explanatory note • Data recovery software (RS485 cable to USB for PXR4 regulator) • Key door lock • 16-segment programmable controller • 4 casters (Diam: 80 mm, 2 with brakes) • Additional cable entry port 50 mm with sealing plug • Additional Pt 100 Ohms probe + DIN plug for recorder connection • PT 100 Ohms probe, delivered with 3 points COFRAC verification • Electronic recorder 1 way, continuous plot • Variable flow extractor from 0 to 200 m³ / hour Ø 75 mm • External door with glass, viewing door	
Supplied with	1 Shelf, 1 power cord & User manual	
Certification / Conformities	Equipment meets the specifications and CE compliant to: • EN60068-3-11 • 2014/35/UE – Low voltage directive • 2014/30/UE – EMC directive, Class A device	
Shipping weight	74 kg	
Shipping dimension (WxDxH)	670 x 750 x 1020 mm	