

# AIR PERFORMANCE

## Laboratory Oven - AP120



### Speed, precision and homogeneity

The Air Performance oven range has been developed to comply with all applications requiring speed, precision and homogeneity. It is specifically well adapted for drying, thermal tests and sterilisation. The high efficiency fan will allow you to save precious time.

| MODELS AVAILABLE              |            |
|-------------------------------|------------|
|                               | 120 L      |
| Air Performance, plain door   | AP120INDUS |
| Air Performance, viewing door | AP120PV    |
| WARRANTY                      |            |
| Parts                         | 2 years    |



Perfect  
Temperature  
Homogeneity



High  
Energy  
Efficiency

# Technical Specifications

## AIR PERFORMANCE - LABORATORY OVENS

|  |  |
|--|--|
| <b>MODEL</b>                                     | <b>AP120</b>   |
| <b>GENERAL SPECIFICATION</b>                     |  |
| Net Volume                                       | 117 L  |
| Ext Dimension (WxDxH)                            | 626 x 679.5 x 750 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                                       | 53 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 shelves as standard (max/shelf: 35 kg distributed).<br>Maximum numbers of shelves : 10 (max total weight : 70 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  |
| <b>HEATING SYSTEM</b>                            |  |
| System   | Heating convection ensured by fan (no risk of conduction or radiation)   |
| Ventilation                                      | Turbine ventilation ensuring temperature homogeneity   |
| Air renewal                                      | Adjustable front air intake with rear exhaust  |
| <b>ELECTRIC AND ELECTRONIC DATA</b>              |  |
| Controller type                                  | Electronic PID self regulating and self-adaptive   |
| Temperature probe                                | 1 x Pt100 3 wires probe  |
| List of alarms                                   | High temperature / Overtemperature 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)   |
| <b>PERFORMANCES (AMBIENT TEMPERATURE : 22°C)</b> |  |
| 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   |
| <b>OPTIONS &amp; CONFORMITIES</b>                |  |
| Options  | <ul style="list-style-type: none"> <li>Stainless steel wire shelf</li> <li>Stainless steel with anti-tilt safety</li> <li>Reinforced stainless steel shelf with anti-tilt safety</li> <li>Base with 4 casters (Diam: 80 mm, 2 with brakes, total H: 250 mm)</li> <li>Stacking kit including 2 spacers, a key and an explanatory note</li> <li>Data recovery software (RS485 cable to USB for PXR4 regulator)</li> <li>Key door lock</li> <li>4 casters (Diam: 80 mm, 2 with brakes)</li> <li>Additional cable entry port 50 mm with sealing plug</li> <li>Additional Pt 100 Ohms probe + DIN plug for recorder connection</li> <li>PT 100 Ohms probe, delivered with 3 points COFRAC verification</li> <li>Electronic recorder 1 way, continuous plot</li> <li>Variable flow extractor from 0 to 200 m<sup>3</sup> / hour Ø 75 mm</li> </ul> |
| Supplied with                                    | 2 Shelves, 1 power cord & User manual  |
| Certification / Conformities                     | Equipment meets the specifications and CE compliant to: <ul style="list-style-type: none"> <li><b>EN60068-3-11</b></li> <li><b>2014/35/UE – Low voltage directive</b></li> <li><b>2014/30/UE – EMC directive, Class A device</b></li> </ul>  |
| Shipping weight                                  | 69 kg  |
| Shipping dimension (WxDxH)                       | 750 x 670 x 920 mm   |