

INNOVEA® S400



INNOVEA®
MODULAR AND
HIGH PERFORMANCE
CLIMATE CHAMBERS
FOR YOUR TRIALS AND CROPS!

PHYSICAL CHARACTERISTICS

- Internal volume (liters): 432
- External Dimensions (mm): 935x863x1997
- Internal Dimensions (mm): 600x600x1200
- Area per shelf (m²): 0,36 (0,60x0,60)
- Shelves number : 5 standard
- Weight (kg): 310
- Material: Stainless steel internal frame, PVC and/or Stainless steel shelves

CLIMATE MANAGEMENT

- Air flow: Vertical
- Air speed: Max 0,2m/sec
- Temperature range (lights off): -5°C à +50°C
- Temperature range (lights on): 0°C à +50°C
- Temperature fluctuation in one spot: ± 0,3°C
- Temperature uniformity (on one shelf, lights on)*: ± 1°C
- Humidity control : 40% à 85%

LIGHTING SYSTEM

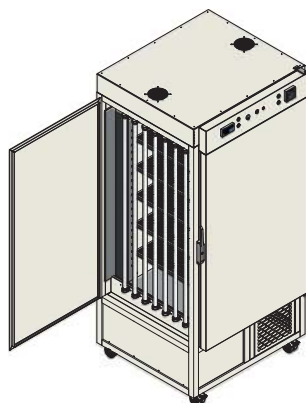
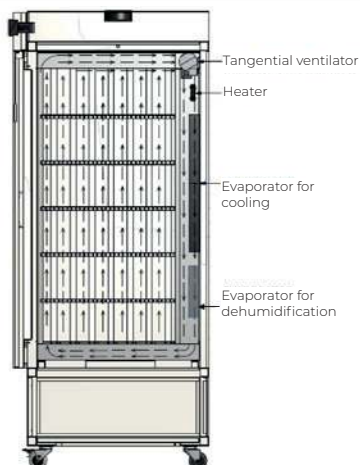
- Lighting type: Vertical LEDs
- Light intensity (according to described configuration): 270 µmol/m2/s@15cm (2x7 Tubes Philips 16W 4000K)

ELECTRICAL AND CONTROLLING DATAS

- Controlling system: Mini Controller
- Input power: 220 - 240 V 11A 50Hz

OPTIONS

Multiple options are available for the model S400: extensions of the basic enthalpic range, different lighting configurations, mechanical and electrical devices, controlling system complements ...



UNIFORMITY

For repeatable experiments and calibrated cultures:

- Optimized uniformities in temperature (+/-1°C on each shelf), hygrometry, air circulation, air speed (0,2m/s max)
- Very good lighting uniformity between shelves
- Thermal contribution of the lighting outside the enclosure



PERFORMANCE

- Easy to install with a height lower than 2,0 m
- Large capacity of 432l on a foot print of less than 0,8 m²!
- Wide range of temperature (0 to 40°C) and hygrometry (optional, 40 to 85%)*.
- LED lighting, several spectrums available including horticultural ones
- Possibility of dimmable or controllable lighting by intensity levels (14, 43, 57 and 100%)



RELIABILITY

- Basic maintenance
- Systematic 24-hour factory test
- Choice of long-lasting materials (stainless steel and PVC interior)
- Materials compatible with plant growth and insect breeding
- Durability and 90% recyclability



MODULARITY

Multiple options for interior and exterior design, lighting, controlling



MULTI-FONCTIONNALITY

Tissue culture, germination and plant growth, pathological tests, insect and mollusc breeding...