

PLANT GROWTH / BOD INCUBATOR

411- FPD



► Product description

- Ideal equipment for plant, animal and culture studies with day/night time simulation and time alternation
- Great value and small footprint
- Temperature control precision
- Externally: corrosion resistant treatment and epoxy powder coating
- Internally: stainless steel
- High durability and easy cleaning.

Technical Characteristics

- Ecological refrigeration system , no CFC
- Refrigeration, heating and diurnal control is required in a single chamber
- Size flexibility from 86 to 600 liters (check technical specifications chart)
- Temperature control and reading through PT100 sensor with 0,1°C resolution
- Electronic microprocessor timer with digital display, sound alarm, hour – minute scale from 00:00 to 99:59 hours/minutes, day – night simulation with time alternation
- High thermal insulation, low temperature dissipation. Door built with magnetic gasket.

Technical Specifications

| | |
|--------------------------------|------------------------|
| Temperature range | 15°C to 60°C |
| Temperature control | PID |
| Temperature control resolution | ± 0,1 °C |
| Display Resolution | LED |
| Temperature sensor | PT 100 |
| Output | 4 to 20mA |
| Inner capacity | 86 to 600 l |
| Refrigeration system | Hermetic compressor |
| Refrigeration gas | R134a |
| Heating system | Electrical resistance |
| Protection grade | IP 20 |
| Electrical specs | 110V or 220V 50Hz/60Hz |

INCLUDED ACCESSORIES AND COMPONENTS



- Trays (see information chart)
- Operation manual
- Temperature controller RBC Calibration Certificate
- Side calibration door, 37mm
- Connection for Data Logger (4 to 20 mA)
- Air circulation shutting device for when door opens.

OPTIONAL



- IQ, OQ and PQ protocols

PLANT GROWTH / BOD INCUBATOR 411 FPD Information

| SIZE | INTERIOR | | | | EXTERIOR | | | |
|------|----------|----------|-----------|----------------------|----------|----------|-----------|----------------------|
| | WIDTH mm | DEPTH mm | HEIGHT mm | VOLUME INTERIOR l | WIDTH mm | DEPTH mm | HEIGHT mm | VOLUME EXTERIOR l |
| 86 | 450 | 350 | 550 | 87 | 570 | 680 | 1170 | 453 |
| 155 | 550 | 350 | 870 | 167 | 670 | 680 | 1490 | 679 |
| 255 | 550 | 400 | 1160 | 255 | 670 | 730 | 1780 | 871 |
| 335 | 550 | 510 | 1200 | 337 | 670 | 840 | 1820 | 1024 |
| 600 | 670 | 680 | 1320 | 601 | 790 | 1010 | 1940 | 1548 |

| SIZE | WEIGHT Kg | ELETICAL SPECS W | TRAY SUPPORT QUANTITY | TRAY AMOUNT QUANTITY | MAXIMUM WEIGHT PER TRAY Kg | DOOR AMOUNT |
|------|-----------|------------------|-----------------------|----------------------|----------------------------|-------------|
| 86 | 51 | 600 | 4 | 1 | 20 | 1 |
| 155 | 76 | 800 | 4 | 3 | 20 | 1 |
| 255 | 97 | 1000 | 6 | 4 | 20 | 1 |
| 335 | 114 | 1000 | 6 | 4 | 30 | 1 |
| 600 | 172 | 1000 | 6 | 4 | 30 | 1 |