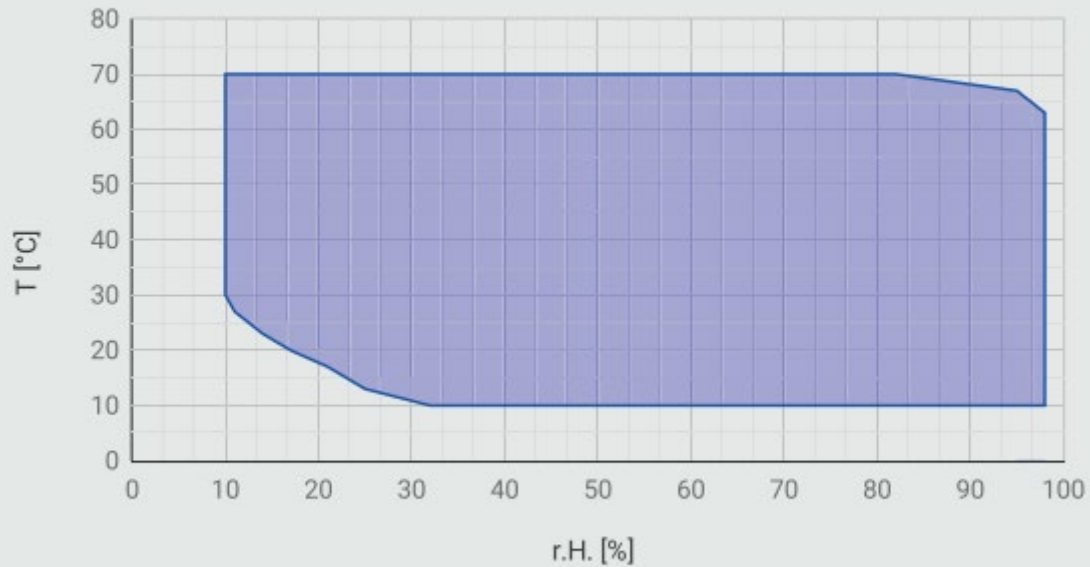


Climatic Chambers with temperature and humidity (FDMC-310-TH Series)

| | | FDMC-310-TH-PRO Touch Screen Controller | FDMC-310-TH PID Constant Controller |
|---|----------|--|--|
| (1) Climatic Performance: | | | |
| Temperature Range without Humidity | (S) | 0 to +70°C | |
| | (B) | -25°C to +70°C | |
| Temperature uniformity | | 0.5 to 2.5±°C | |
| Temperature fluctuation | | 0.1 to 0.5±°C | |
| Average heating-up rate according to EN 60068-3-5 | | +2°C/Min | |
| Average cooling down rate according to EN 60068-3-5 | | -1°C/Min | |
| Temperature range with active humidity | | +10°C to +70°C | |
| Humidity Range | | 10 to 98%rH | |
| Humidity fluctuation depending on setpoint | | ≤ 3±% | |
| (2) Dimensions and Weight: | | | |
| External Dimensions | Width | 600 mm | |
| | Depth | 768 mm | |
| | Height | 1920 mm | |
| Internal Dimensions | Width | 500 mm | |
| | Depth | 480 mm | |
| | Height | 1257 mm | |
| Internal net volume | | 310 L | |
| Net weight (Empty) | | 98 Kg | |
| (3) Doors and Shelves: | | | |
| Number of doors | | 1 | |
| Number of shelves | Standard | 3 | Maximum 5 |
| Shelf Dimension | Width | 460 mm | Depth 470 mm |
| Permitted load per rack | | 30 Kg (Optional 35 Kg) | |
| Shelf Type | | Removable and height adjustable stainless-steel grid | |

| | | FDMC-310-TH-PRO Touch Screen Controller | FDMC-310-TH PID Constant Controller |
|--|--|--|---|
| (4) Controller: | | | |
| Controller | | Touch Screen revoFACE Fully programmable | Constant PID Controller stillFACE |
| (5) Materials of Construction: | | | |
| External materials | | AISI 304 Stainless Steel | |
| Internal materials | | AISI 304 Stainless Steel | |
| Insulation | | CFC and HCFC free | |
| Shelves | | Stainless-steel grid | |
| (6) Safety: | | | |
| Temperature | | Class 2 independent adjustable temperature safety devices (DIN 12880) | |
| Alarms | | Audio-Visual | |
| (7) Other Technical Specifications: | | | |
| Humidification system | | Ultrasonic | |
| Water filter | | Water softening filter and replaceable cartridge equipped | |
| Max Water hardness permitted | | 600 ppm CaCO ₃ | |
| Water Inlet | | Pressure 0.2 to 5 BAR; Temperature 10°C to 40°C; Pipe connection 3/4" | |
| Sound-pressure level | | 60 dB(A) | |
| Ventilation | | Fan forced ventilation | |
| (8) Electrical Data: | | | |
| Voltage | | 220 / 240 VAC single phase | |
| Frequency | | 50 Hz | |
| Nominal power | | 1.5 kW 1.7 kW (For -25°C to +70°C models) | |
| Unit fuse | | 16A | |

Operation flowchart



*¹ Operation Temperature Humidity Limits

Main Options:

- Ethernet interface for remote connection
- Interface port RS485
- Upgrade. 50 program 200 step for revoFACE
- Interior socket coverable universal 220-230 V
- Internal compartments lexan door
- Flooding system for EN1348-2007
- Relative humidity decreasing up to 2% at 20°C
- Humidity extension range below the 10°C
- Power supply 110 V 50-60 Hz
- CO2 Regulation System for EN 12390-10
- Cable Hole
- USB port
- Double tempered glass door
- Swivel castors with chamber lock
- System of supply water tank 16 liters
- Reinforced stainless steel shelf