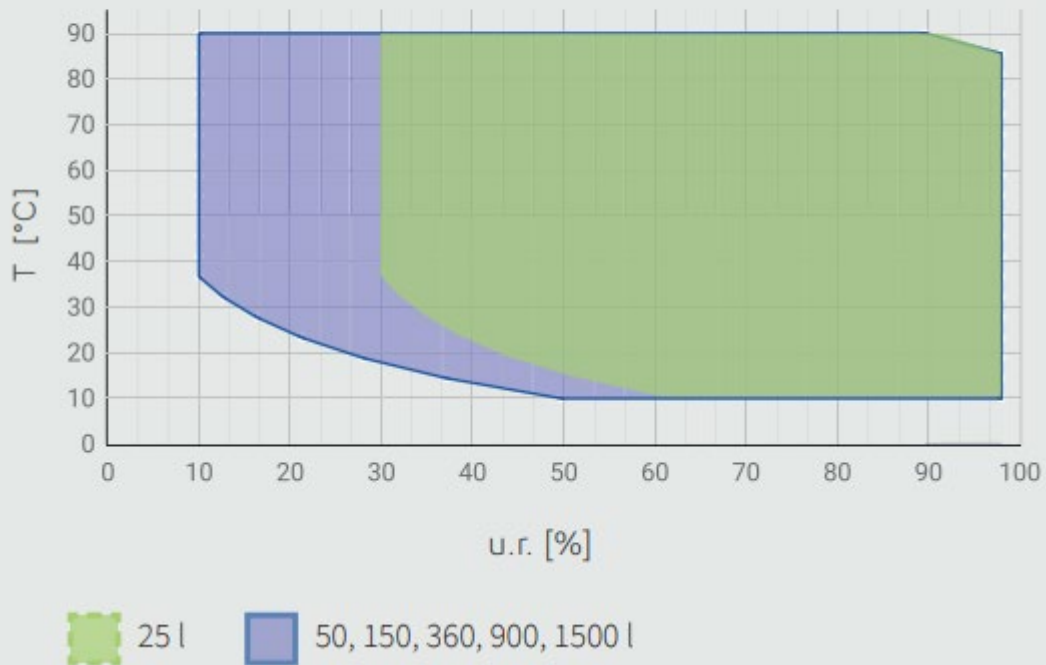


Environmental Chambers with temperature and humidity (FDME-50-TH Series)

		FDME-50-TH-PRO Touch Screen Controller		FDME-50-TH PID Constant Controller	
(1) Climatic Performance:					
Temperature Range without Humidity	(A)	-40 to +180°C			
	(B)	-70 to +180°C			
Temperature uniformity depending on setpoint		0.5 to 1.5±°C			
Temperature fluctuation depending on setpoint		0.1 to 0.5±°C			
Average heating-up rate acc. to EN 60068-3-5		+5°C/Min			
Average cooling down rate acc. to EN 60068-3-5		-4°C/Min			
Temperature range with humidity		+10°C to +90°C			
Humidity Range		10 to 98%rH			
Humidity fluctuation depending on setpoint		0,5 to 2±%			
Water Tank		5L			
(2) Dimensions and Weight:					
External Dimensions	Width	855 mm			
	Depth	902 mm			
	Height	1300 mm			
Internal Dimensions	Width	350 mm			
	Depth	350 mm			
	Height	410 mm			
Internal net volume		50 L			
Net weight (Empty)		150 Kg			
Wall clearance back/ sidewise		250/250mm			
Viewing window		0			
(3) Doors and Shelves:					
Number of doors		1			
Number of shelves	Standard	1	Maximum	2	
Shelf Dimension	Width	350 mm	Depth	350 mm	
Permitted load per rack		20 Kg			

		FDME-50-TH-PRO Touch Screen Controller	FDME-50-TH PID Constant Controller
(4) Controller:			
Controller		Touch Screen revoFACE Fully programmable	Constant PID Controller stillFACE
(5) Materials of Construction:			
External materials		Painted phosphated steel sheet	
Internal materials		AISI 304 Stainless Steel	
Insulation		CFC and HCFC free	
Shelves		Removable and height adjustable stainless-steel grid	
(6) Safety:			
Temperature		Class 2 independent adjustable temperature safety devices (DIN 12880)	
Alarms		Audio-Visual	
(7) Other Technical Specifications:			
Sound-pressure level		<65 dB(A)	
Ventilation		Fan forced ventilation	
(8) Electrical Data:			
Voltage	(A)	230V	
	(B)	230V	
Phase (nominal voltage)	(A)	1	
	(B)	1	
Frequency		50 Hz	
Nominal power	(A)	5,2 kW (For -40°C to +180°C models)	
	(B)	8 kW (For -70°C to +180°C models)	

Operation flowchart



Main Options:

- Ethernet interface for remote connection
- Interface port RS485
- USB port for downloading test data
- Upgrade. 50 program 200 step for revoFACE
- Interior socket coverable universal 220-230 V
- Volume extension of testing area
- Kit for directly connection to the water source
- Relative humidity decreasing up to 2% at 20°C
- Sterilized flux vapor humidifier
- Power supply 110 V 50-60 Hz
- Regulation System for EN 12390-10 Reinforced stainless steel shelf
- Compressed air drying system