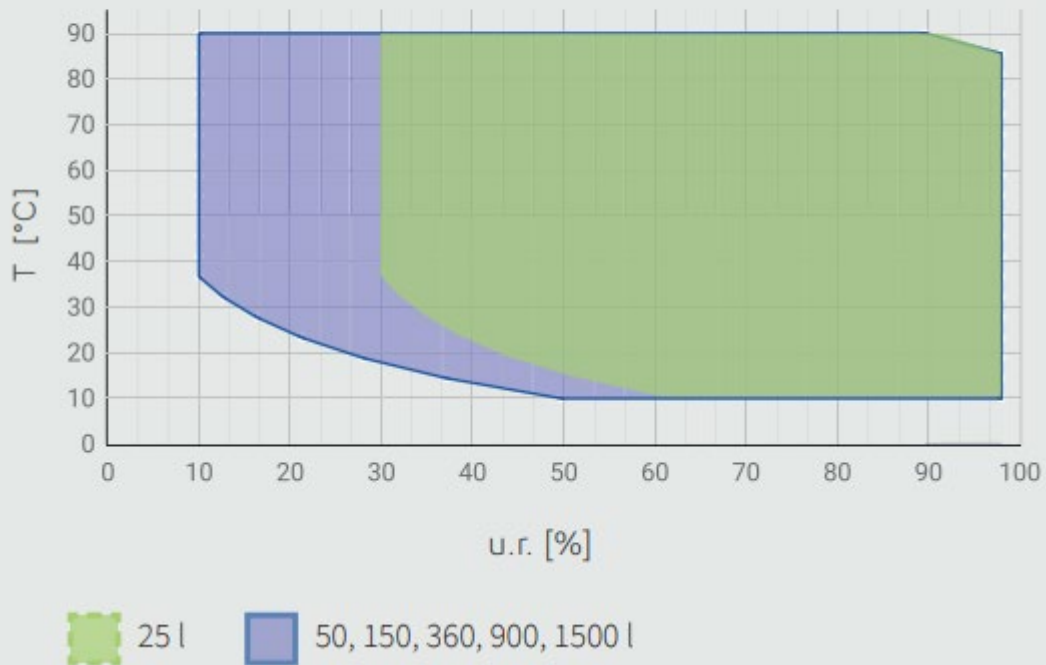


## Environmental Chambers with temperature and humidity (FDME-1500-TH Series)

		FDME-1500-TH-PRO Touch Screen Controller	FDME-1500-TH PID Constant Controller	
<b>(1) Climatic Performance:</b>				
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		25L		
<b>(2) Dimensions and Weight:</b>				
External Dimensions	Width	1505 mm		
	Depth	1912 mm		
	Height	1990 mm		
Internal Dimensions	Width	1000 mm		
	Depth	1360 mm		
	Height	1100 mm		
Internal net volume		1500 L		
Net weight (Empty)		950 Kg		
Wall clearance back/ sidewise		250/250mm		
Viewing window (W/H)		480/480mm		
<b>(3) Doors and Shelves:</b>				
Number of doors		1		
Number of shelves	Standard	2	Maximum	4
Shelf Dimension	Width	1000 mm	Depth	1360 mm
Permitted load per rack		20 Kg		

		<b>FDME-1500-TH-PRO</b> Touch Screen Controller	<b>FDME-1500-TH</b> PID Constant Controller
<b>(4) Controller:</b>			
Controller		Touch Screen <b>revoFACE</b> Fully programmable	Constant PID Controller <b>stillFACE</b>
<b>(5) Materials of Construction:</b>			
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	
<b>(6) Safety:</b>			
Temperature		Class 2 independent adjustable temperature safety devices (DIN 12880)	
Alarms		Audio-Visual	
<b>(7) Other Technical Specifications:</b>			
Sound-pressure level		<65 dB(A)	
Ventilation		Fan forced ventilation	
<b>(8) Electrical Data:</b>			
Voltage	<b>(A)</b>	400V	
	<b>(B)</b>	400V	
Phase (nominal voltage)	<b>(A)</b>	3	
	<b>(B)</b>	3	
Frequency		50 Hz	
Nominal power	<b>(A)</b>	18 kW (For -40°C to +180°C models)	
	<b>(B)</b>	23 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