WEISS TECHNIK Envirotronics
a schunk company

Global Partner for Environmental Test Chambers

XCEL™

Fast Change Rate Chambers in a Compact Design

The Xcel Series temperature and humidity chamber from Weiss Envirotronics provides fast change rates and accurate testing in a compact design for your specific testing requirements. Through intelligent engineering, design flexibility and broad temperature range, Xcel will give you lasting durability. Xcel includes standard features and optional accessories that allows for precise, reliable product testing.

Features:

- Designed to hold higher live loads
- Small footprint - allows access through industrial size personnel door
- Shelves - Standard and Heavy Duty available
- Robust Heating & Cooling systems allow for optimum performance
- User Friendly heavy duty adjustable casters
- Stress screening capabilities
- Up to 2000 CFM air flow
- Reliable fast change rate chamber
- Many options available

Design & Performance

Model Number		EX20		EX40		EX60	
Actual Volume	Cubic Feet / Liters	21 / 595		37 / 1038		64 / 1812	
Test Space Dimensions	Width	36" (914mm)		40" (1016mm)		48" (1219mm)	
	Depth	28" (711mm)		36" (914mm)		48" (1219mm)	
	Height	36" (914mm)		44" (1118mm)		48" (1219mm)	
Exterior Dimensions	Width	44" (1118mm)		48" (1219mm)		56" (1422mm)	
	Depth	80" (2032mm)		85" (2159mm)		97" (2464mm)	
	Height	86" (2210mm)		94" (2388mm)		92" (2337mm)	
Temperature Change Rate [1]	Heating Rate	11°C/min	11°C/min	12°C/min	10°C/min	11°C/min	9°C/min
	Cooling Rate	12°C/min	17°C/min	11°C/min	16°C/min	9°C/min	13°C/min
Temperature Range	Minimum	-73°C (-99°F)					
	Maximum	+180°C (+356°F)					
Humidity Range [2]		10%RH to 98%RH					

Performances are based on laboratory conditions at +24°C, 60 Hz, with cooling water inlet temperature and flow rate according to requirements. Performances at 50 Hz may vary.
Please consult with your local Sales Representative if your conditions vary.
Temperature ramp rates are average, not linear rates of change
Temperature ramp rates are average for a humidity chamber; temperature-only chamber will be slightly better.
[1] Heating and cooling rates between +85°C and -40°C in a temperature only empty chamber; measured at the supply air
[2] Humidity range not applicable in temperature only chambers

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