

CALIBRATION CLIMATIC CHAMBER

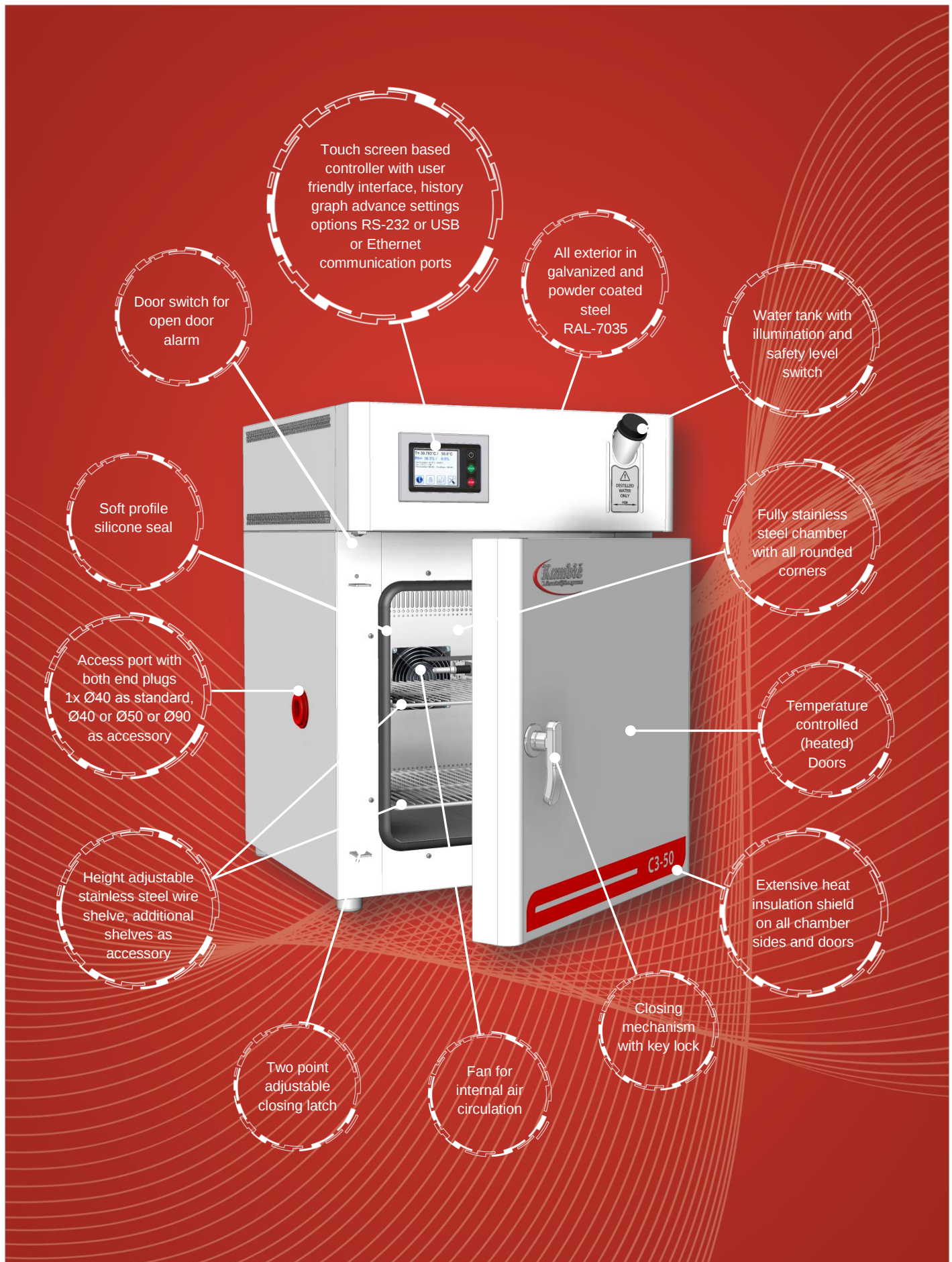
(+ 10 °C...+ 55 °C)

C3-50

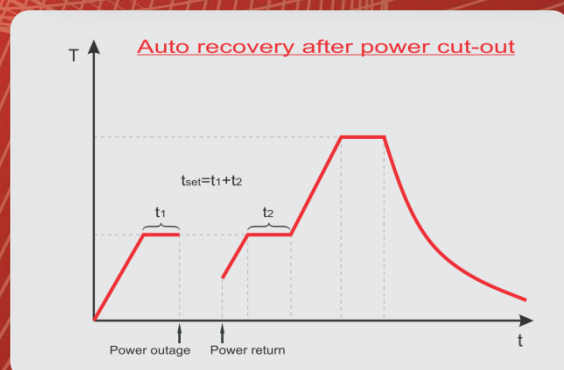
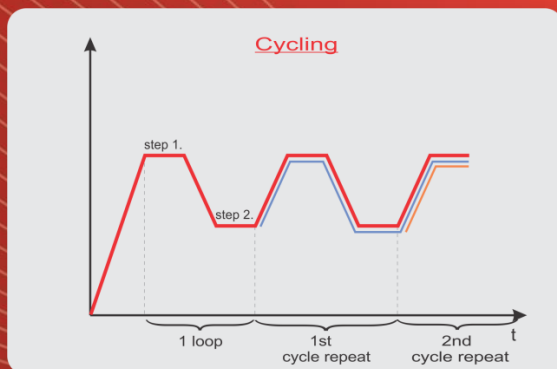
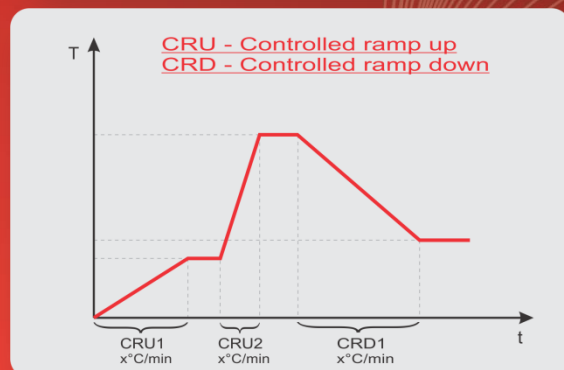
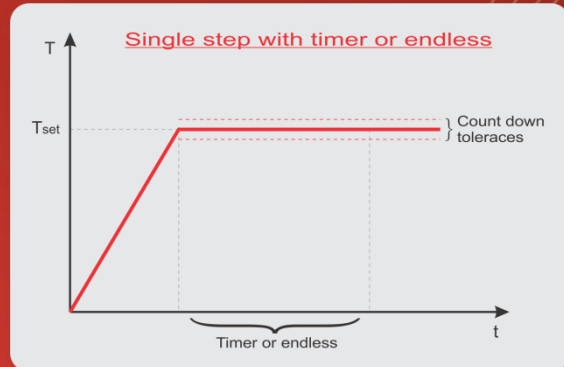
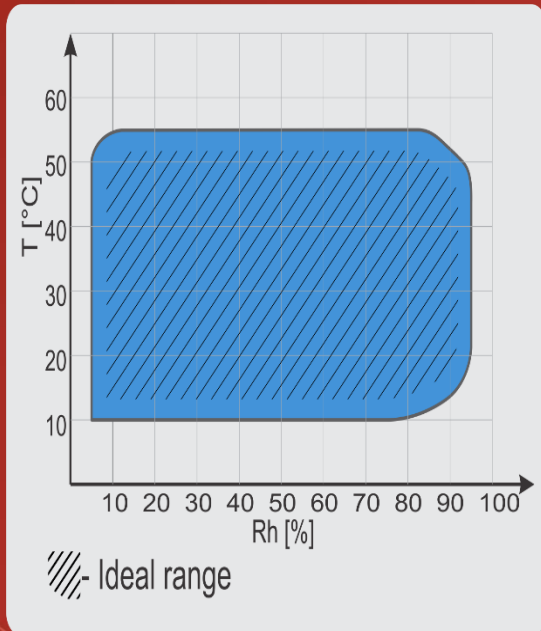
Calibration climatic chamber - metrology performance:

- Perfect for calibration of air temperature and relative humidity sensors
 - Superior temperature & humidity control and uniformity
 - Convenient Front Access – Side Access for Cables & Probes
 - Stable, silent, vibration free climatic conditions
 - Data loggers and sensors calibration
 - World-class metrology performance
 - Mixed flow humidity control
 - Cascade PID control





Controller functions:



Technical data:

	C3-50
	
External dimensions (WxHxD) in mm	570 x 800 x 615
Internal dimensions (WxHxD) in mm	400 x 400 x 360
Volume (L)	57
Temperature range (°C)	+ 10 ... + 55
Temperature display resolution (°C)	0.001
Temperature set resolution (°C)	0.1
Temperature stability (°C)	± 0.02 °C
Temperature uniformity (°C)	0.5 (reference to any point in chamber)
Relative humidity range (%)	5...95
Relative humidity display resolution (%)	0.1
Relative humidity set resolution (%)	0.1
Relative humidity stability (%)	± 0.2 @ 21 °C, 50 % Rh (better than ± 0.8 full range)
Relative humidity uniformity (%)	Less than 2 % (full range)
Temperature control	Cascade PID
Relative humidity control	Mixed flow
Heating and cooling	Solid state thermoelectric
Time to stable set-point	40 min to any point in range
Power supply	230 V 50/60 Hz
Wattage (W)	800
Compressed air supply	Min. 5 bar, 95 l/min
Interface	RS 232 (USB or Ethernet as option)
Shelve	1 (max 4)
Shelve capacity (kg)	15
Max capacity (kg)	30
Access port (mm)	1 x Ø 40 left wall as standard, Ø 40, Ø 50, Ø 90 (accessory) (different door options)
Noise (dBA) @ 1 m distance	< 50
Weight (kg)	~79

*All performance in controlled environment (Tambient = 22 °C ± 3 °C)!

*Accessories might affect performance!

Ordering information and accessories:

Description	Part no.
Calibration Climatic Chamber C3-50 with trolley	2664
USB interface	1466
Ethernet interface	1716
Shelve C3-50	2553
Access Port w. Plug Ø 40 mm right or door (Access port on door excludes door with 2 flanged ports)	2629
Access Port w. Plug Ø 50 mm right or door (Access port on door excludes door with 2 flanged ports)	608
Access Port w. Plug Ø 90 mm right or door (Access port on door excludes door with 2 flanged ports)	1731
C3-50 door with 2 flanged ports	2665
Multiple layer isolative glass for door flanged port	2666
Multiple layer isolative block for door flanged port	2667
Including caped silicone ports:	
2 x Ø 5 mm	
2 x Ø 6 mm	
2 x Ø 10 mm	
2 x Ø 15 mm	
Multiple layer isolative block for door flanged port (for customer individual ports)	2668
C3-50 Tool (Software Monitoring & History)	1663
Evaluation report – performed by Kambic	1719
Evaluation report (accredited ISO/IEC 17025:2017)	1777
Air compressor with tank	2669



