

Ultra Fast Low Temperature Chamber

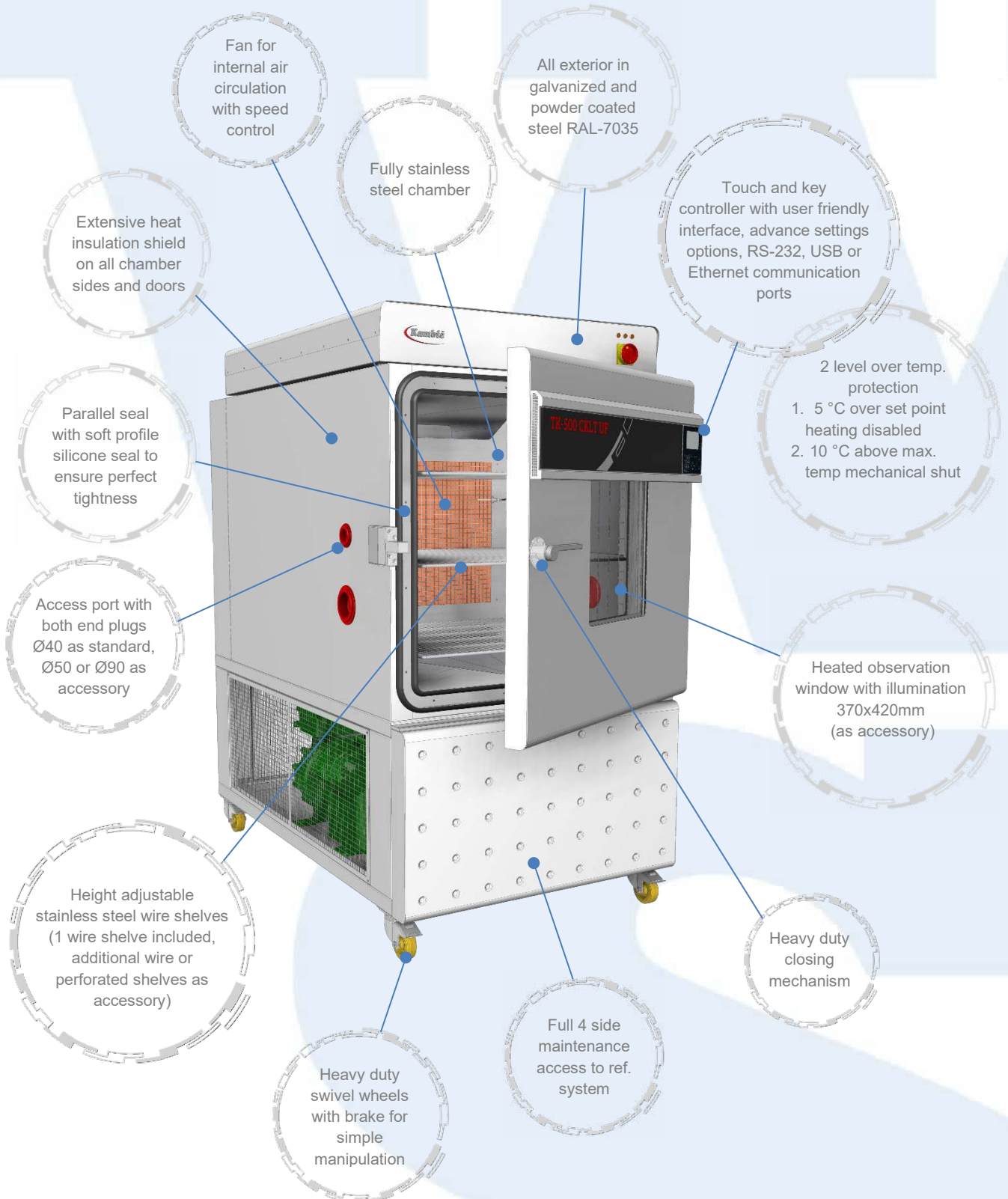
(10 °C/min)

(- 40 °C ...+180 °C)

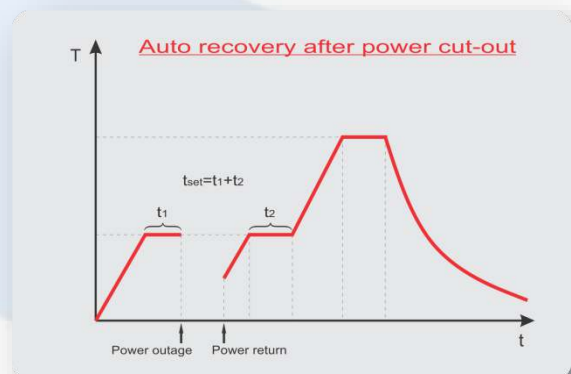
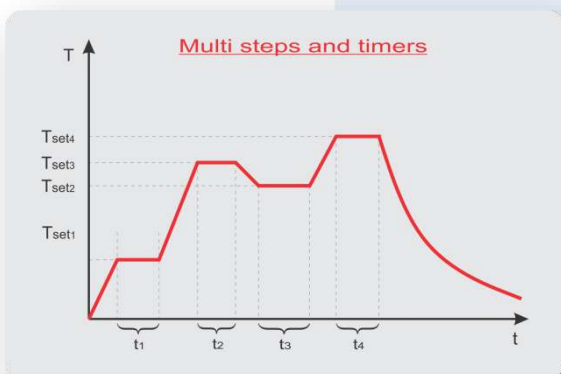
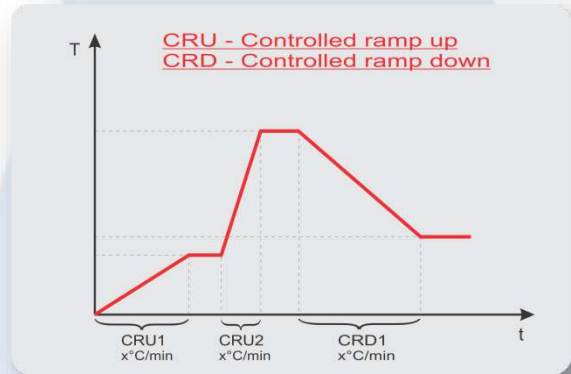
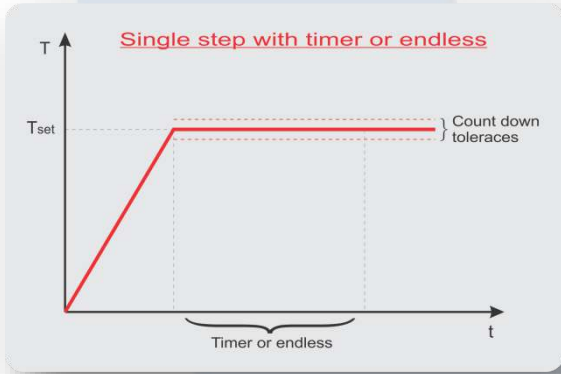
TK-340 CKLT UF
TK-500 CKLT UF
TK-1000 CKLT UF

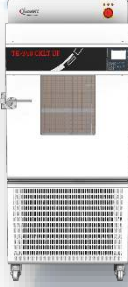
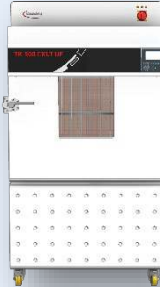
- Temperature controlled test polygon
- Material temperature resistance and product testing
- Sample conditioning prior to other tests
 - Accelerated ageing
 - Stress tests





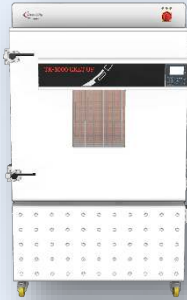
Controller functions:



	TK-340 CKLT UF	TK-500 CKLT UF
		
External dimensions (W x H x D) in mm	835 x 1986 x 1576	1035 x 1956 x 1693
Internal dimensions (W x H x D) in mm	670 x 900 x 685	870 x 870 x 800
Volume (L)	~ 340	~ 500
Temperature range (°C)	- 40 ...+ 180	- 40 ...+ 180
Heat up rate (°C/min) EN 60068-3-5	10	7,5
Cool down rate (°C/min) EN 60068-3-5	10	10
Temperature display resolution (°C)	0.1	0.1
Temperature set resolution (°C)	0.1	0.1
Temperature stability (°C)	< +/- 0,5 °C @ - 40 °C < +/- 0,1 °C @ 0 °C < +/- 0,1 °C @ + 100 °C < +/- 0,3 °C @ + 180 °C	+/- 0,5 °C @ - 40 °C < +/- 0,1 °C @ 0 °C < +/- 0,1 °C @ + 100 °C < +/- 0,3 °C @ + 180 °C
Temperature uniformity (°C)	< +/- 1,0 °C @ - 40 °C < +/- 0,5 °C @ 0 °C < +/- 0,5 °C @ + 100 °C < +/- 1,5 °C @ + 180 °C	< +/- 1,0 °C @ - 40 °C < +/- 0,5 °C @ 0 °C < +/- 0,5 °C @ + 100 °C < +/- 1,5 °C @ + 180 °C
Temperature control	PID	PID
Power supply	3x400V 50/60Hz	3x400V 50/60Hz
Wattage (W)	12000	15000
Interface	RS 232 (USB or Ethernet as accessory)	RS 232 (USB or Ethernet as accessory)
Shelve	1 (max 6)	1 (max 6)
Shelve capacity (kg)	35	50
Max capacity (kg)	100	150
Access port (mm)	Ø 40 standard, (Ø 50, Ø 90 as accessory)	Ø 40 standard, (Ø 50, Ø 90 as accessory)
Noise (dBA) @ 1 m distance	~ 68	~ 70
Weight (kg)	~ 380	~ 520

*All performance in controlled stable environment ($T_{\text{ambient}} = + 22 \text{ °C} \pm 3 \text{ °C}$)!

*Accessories might affect performance!

TK-1000 CKLT UF	
	
External dimensions (W x H x D) in mm	1235 x 2156 x 1891
Internal dimensions (W x H x D) in mm	1070 x 1070 x 1000
Volume (L)	~ 1000
Temperature range (°C)	- 40 ...+ 180
Heat up rate (°C/min) EN 60068-3-5	8
Cool down rate (°C/min) EN 60068-3-5	10
Temperature display resolution (°C)	0.1
Temperature set resolution (°C)	0.1
Temperature stability (°C)	< +/- 0,5 °C @ - 40 °C < +/- 0,3 °C @ 0 °C < +/- 0,3 °C @ + 100 °C < +/- 0,5 °C @ + 180 °C
Temperature uniformity (°C)	< +/- 1,5 °C @ - 40 °C < +/- 1 °C @ 0 °C < +/- 1 °C @ + 100 °C < +/- 1,5 °C @ + 180 °C
Temperature control	PID
Power supply	3x400V 50/60Hz
Wattage (W)	18000
Interface	RS 232 (USB or Ethernet as accessory)
Shelve	1 (max 6)
Shelve capacity (kg)	50
Max capacity (kg)	200
Access port (mm)	Ø 40 standard, (Ø 50, Ø 90 as accessory)
Noise (dBA) @ 1 m distance	~ 72
Weight (kg)	~ 650

*All performance in controlled stable environment ($T_{\text{ambient}} = + 22 \text{ °C} \pm 3 \text{ °C}$)!

*Accessories might affect performance!

Ordering information and accessories:

Description	Part no.
Temperature chamber TK-340 CKLT UF	2844
Temperature chamber TK-500 CKLT UF	2845
Temperature chamber TK-1000 CKLT UF	2846
Shelve wire TK-340 CKLT UF	956
Shelve wire TK-500 CKLT UF	958
Shelve wire TK-1000 CKLT UF	960
Shelve perforated TK-340 CKLT UF	957
Shelve perforated TK-500 CKLT UF	959
Shelve perforated TK-1000 CKLT UF	961
Access Port w. Plug Ø 40 mm right	2629
Access Port w. Plug Ø 50 mm right	608
Access Port w. Plug Ø 90 mm right	1731
Observation window with illumination 370x420mm	252
USB interface	1466
Ethernet interface	1716
TK-Tool (Software Monitoring & History)	1663
Password protection	1718
Evaluation report 9 points, 3 temperatures - performed by Kambic	1719
Evaluation report 9 points, 3 temperatures - Accredited	1852

