



Welltech Instrument Company Ltd



Cyclic Corrosion Chamber

Welltech CCT Chamber (Cyclic Corrosion Chamber) consists of
Test chamber
Salt solution reservoir
Cyclic corrosion test software



It is designed to program control the following standard test :

- Temperature range
- Salt spray mode
- Wetting mode
- Drying mode
- Controlled humidity mode
- Standard meet ASTM, BS, DIN, ISO, IEC, MIL STD, NATO STANAG, GMW, JASO, VDA, GM, VW, Toyota, Renault, Volvo etc

Optional test

- Liquid immersion
- SO2 gas dosing
- Low temperature : (-20C or -40C)
- With datalogging function (USB)

Features

- LCD touch screen controller display
- User friendly operation
- Fix mode & program mode (20 program, 20 segment , with repeat function)
- 3 standard test mode: Salt spray, temperature, humidity (wetting or drying)
- Option test mode: wall washing, liquid immersion, ultra low temperature, SO2 gas dosing
- Temperature/humidity range: 30-70C/15-100%RH
- Automatic air purge
- Pneumatic canopy opening
- Flexible samples racks for different types of samples
- With fall-out measuring cylinder kit
- Large capacity salt spray reservoir
- With exhaust and drain connection
- With entry port
- With viewing window
- With timed test stop facility
- With castors
- Alarm to indicate the test times have been completed
- Calibration certificate
- Comply to international standards: ASTM B117, ASTM B368, ASTM B380, ASTM D1654, ASTM D1735, ASTM D2247, ASTM D2803 , ASTM D3451 , ASTM D4585 , ASTM D5894 , ASTM D6577 , ASTM D6675 , ASTM G43, ASTM G5894, ASTM G85 , BS 2011, BS 3900 , BS 5466, BS 7479, EN 60068, EN 60512, EN ISO 4541, EN ISO7253, DIN 50.017 , DIN 50.021, DIN 50.012 , GM4465P , GM 4298P , GM 4465P , GM 9540P , GMW 14729 (Option A) , GMW 14872 , GMW 3286 , IEC 60068, ISO 3768, ISO 3769, ISO 3770, ISO 7253, ISO9227, ISO 9227 , ISO 16701 , ISO 60082 . ISO 6270-2 , ISO 9227, ISO 11997,ISO 14993, JIS H8502 , JIS Z2371 , SAE J1959 , SAE J2334 , MIL-STD-202, MIL-STD-750, MIL-STD-810G,NATO STANAG 4370, Ford CETP 00.00-L-467 , Ford FLTM BI 103-01 , Ford FLTM BI 104-01 , Ford FLTM BI 104-02 , Ford FLTM BI 123-03 , Ford FLTM BQ 105-01, Honda HES D6001, Honda HES D6501, Honda HES D6501, Mazda MES MN601 , Mazda MES MN601, MCT-2M , Mazda MES MN601, MCT-3M , Nissan CCT-I – NES M0158 , Renault ECC1 - D17 2028 , Toyota TSH 1555G , Volvo STD 1027,1375 , Volvo STD 423-0014 , Volvo VCS 1027-14.

Salt spray mode

- Temperature range : adjustable up to 80C
- Salt spray fall-out rates : 0.5ml to 2.5ml per 80cm² per hour

Controlled humidity mode

- Temperature: 30-60C
- Humidity: 15-98%RH

Drying mode

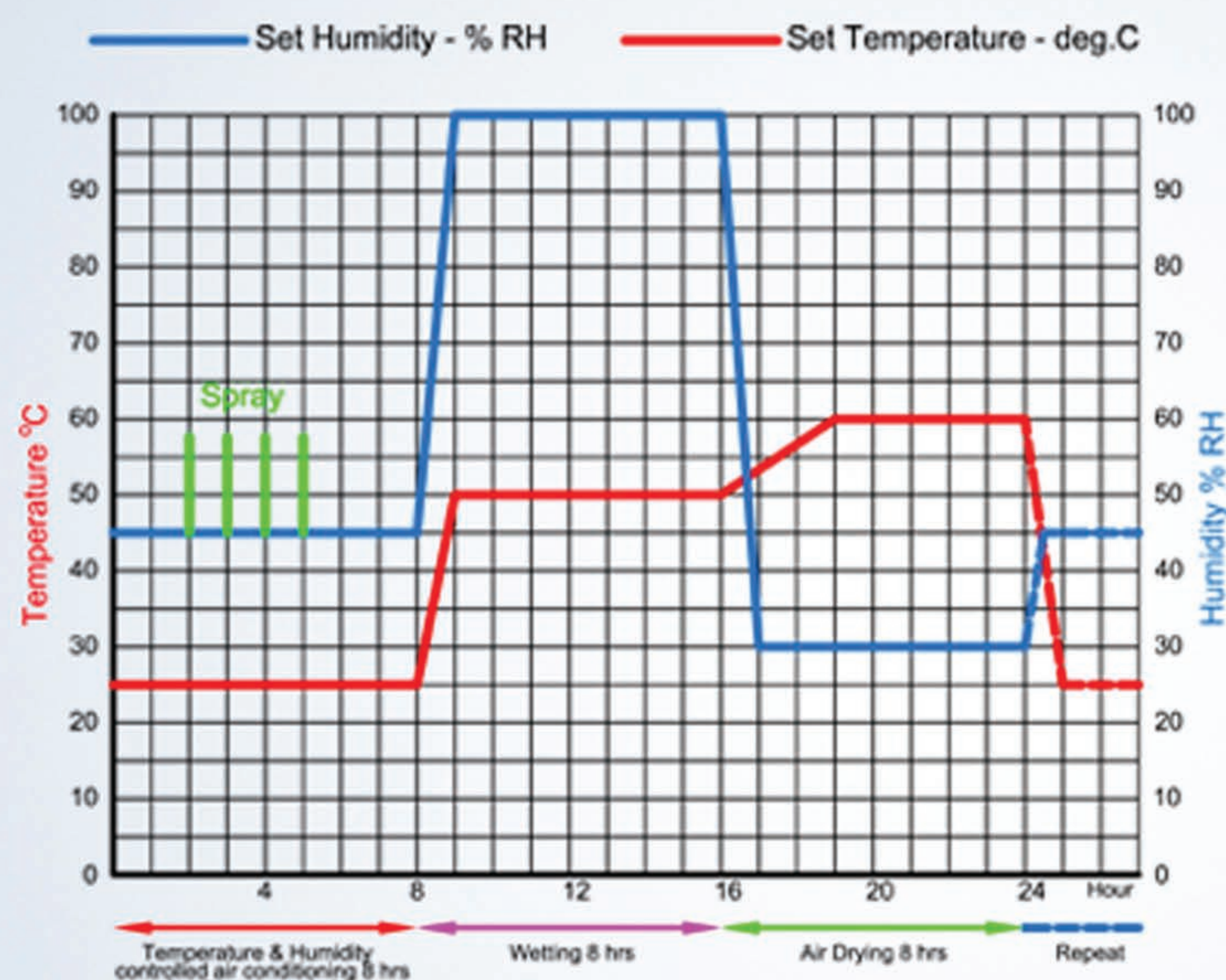
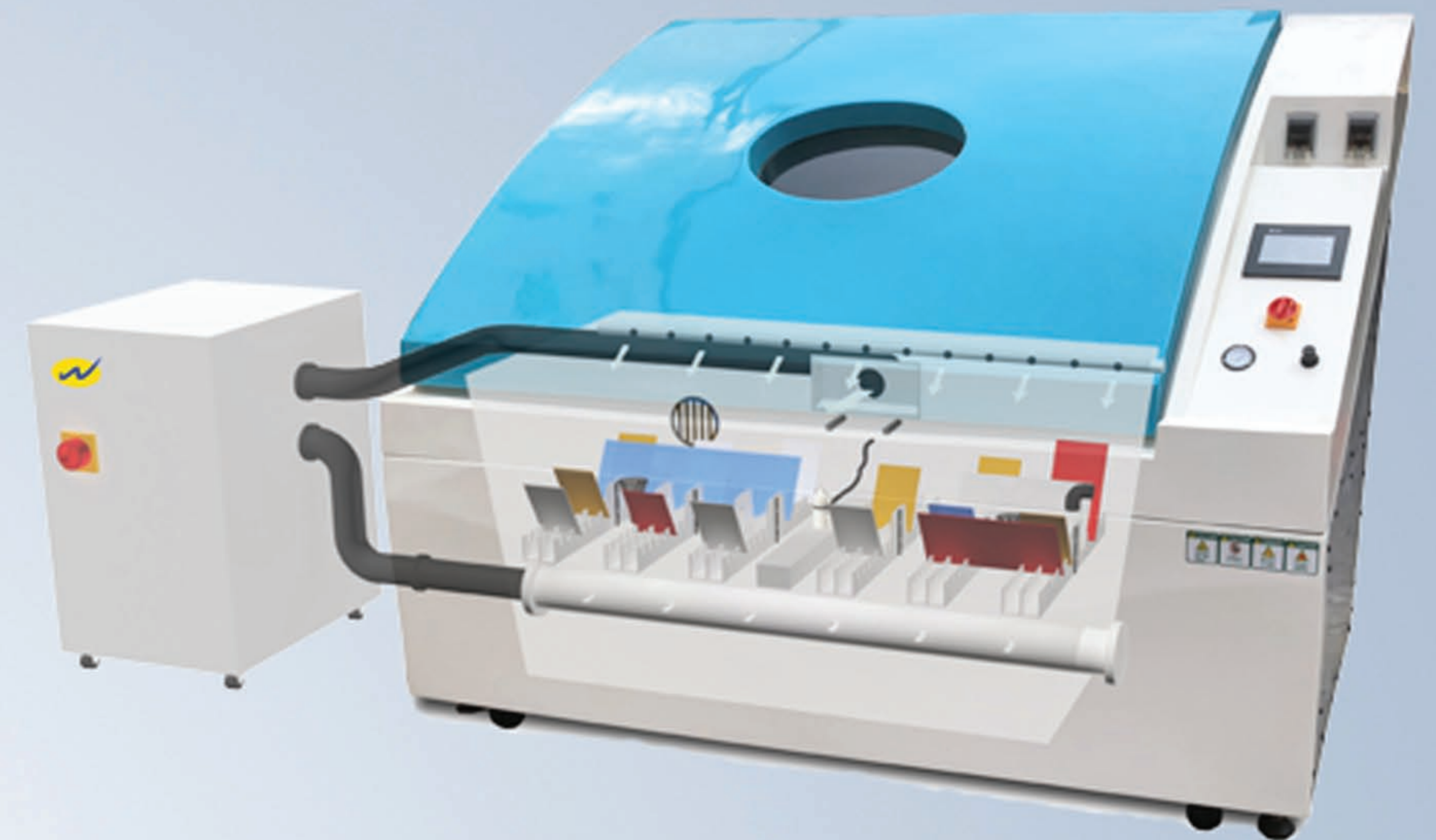
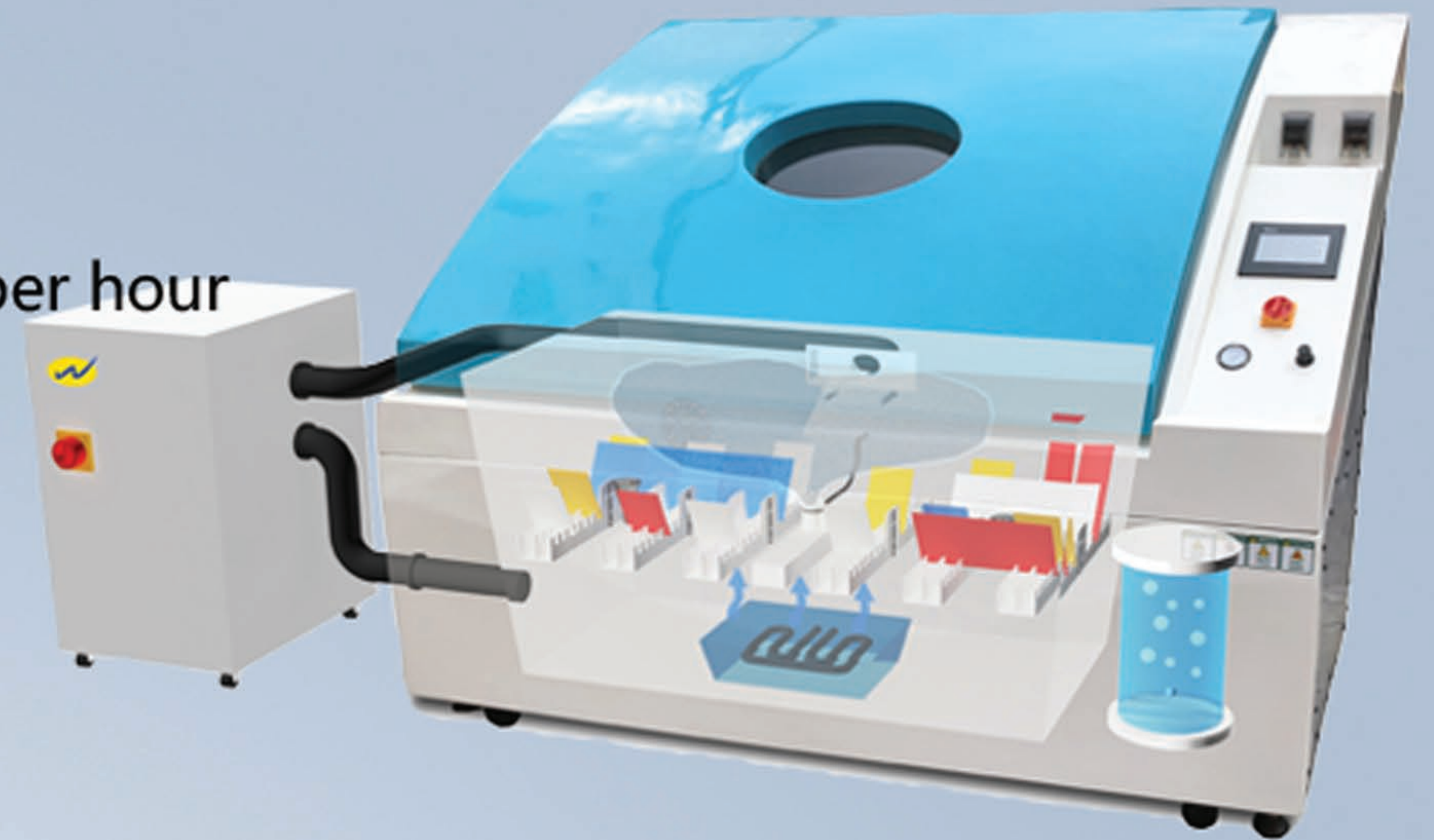
- Temperature adjustable up to 80C
- Humidity: 15-98%RH

Wetting mode

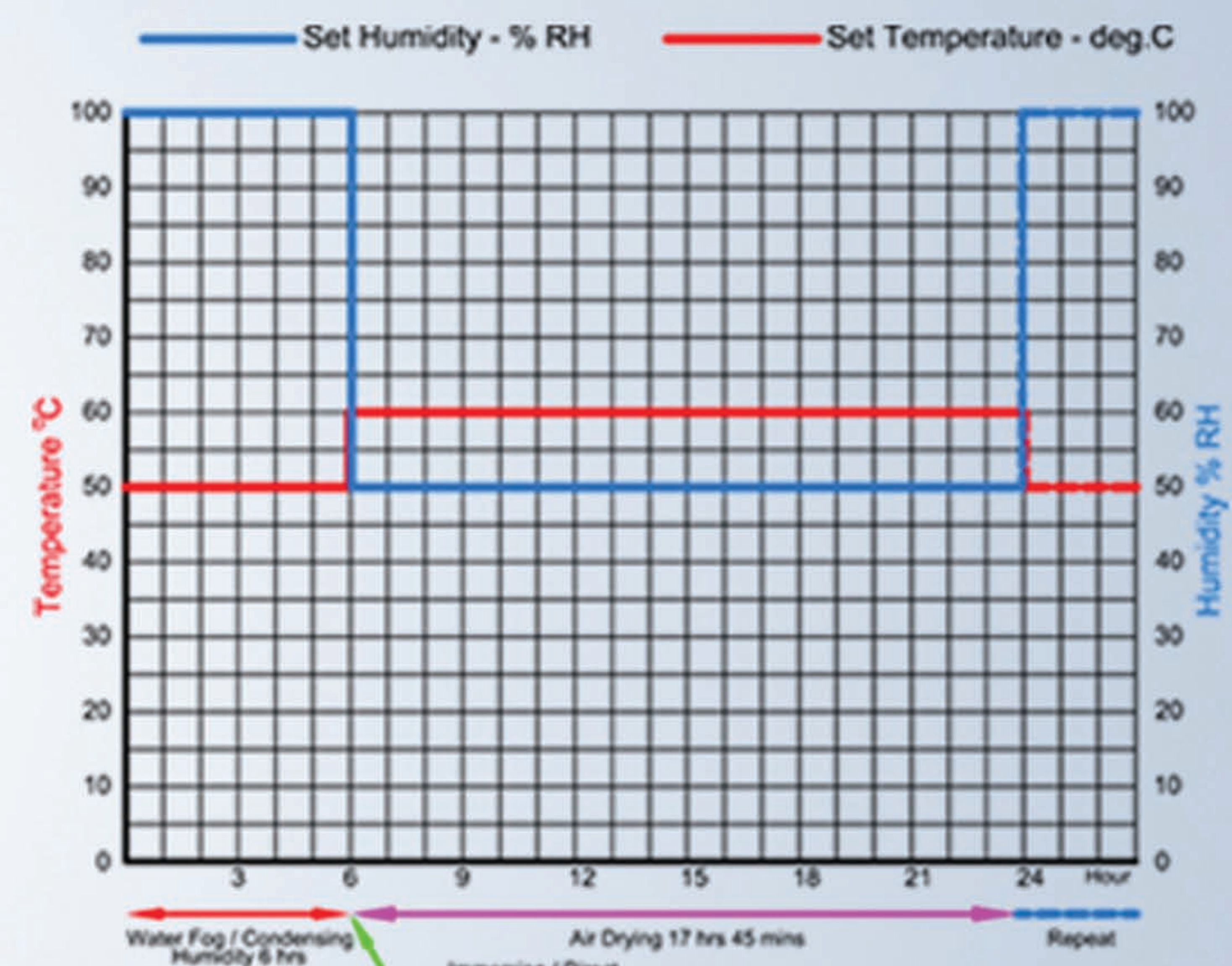
- Temperature range: adjustable up to 80C
- Humidity range : fixed at 95% to 100%RH

Option

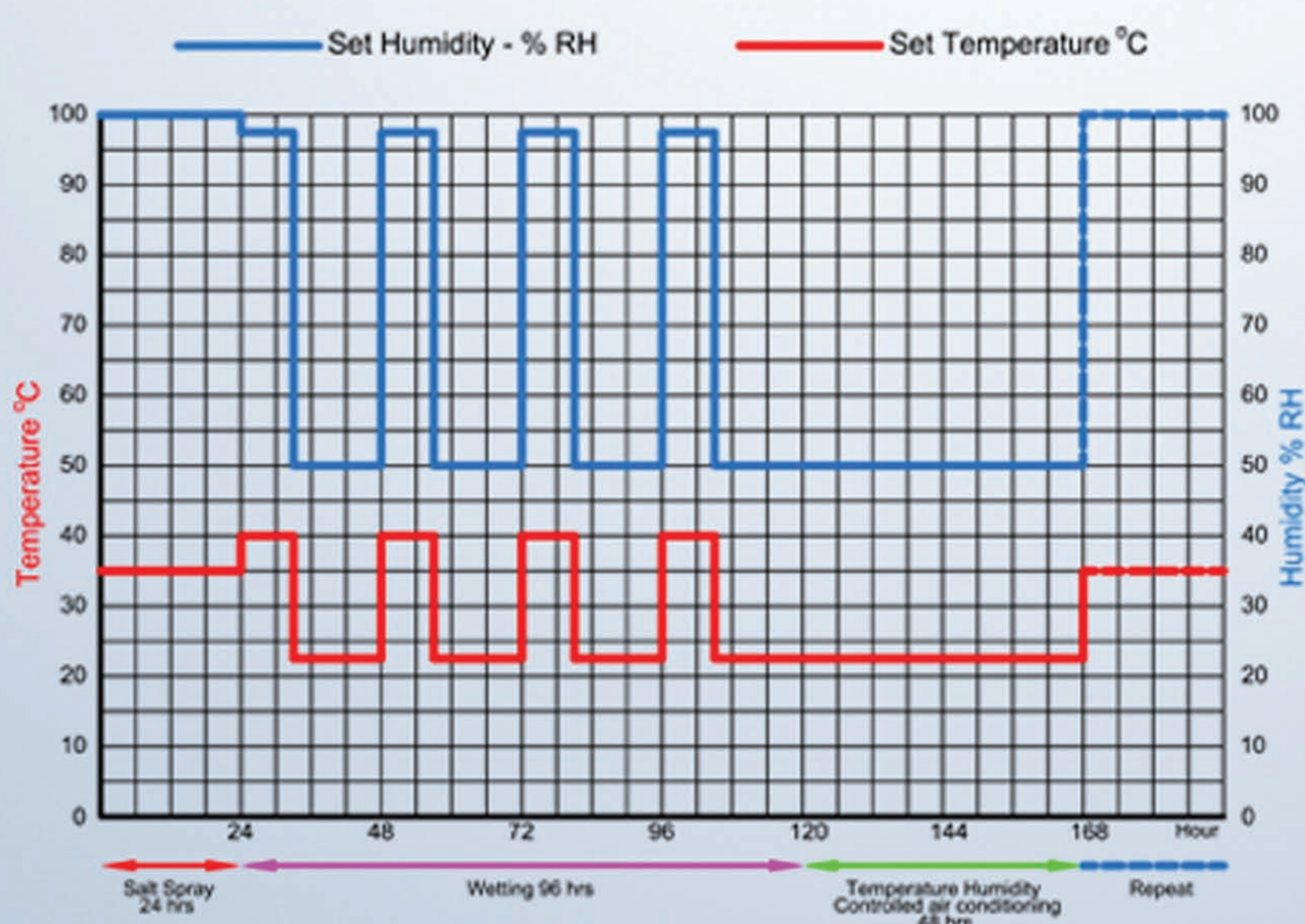
- Temperature: -20C or -40C



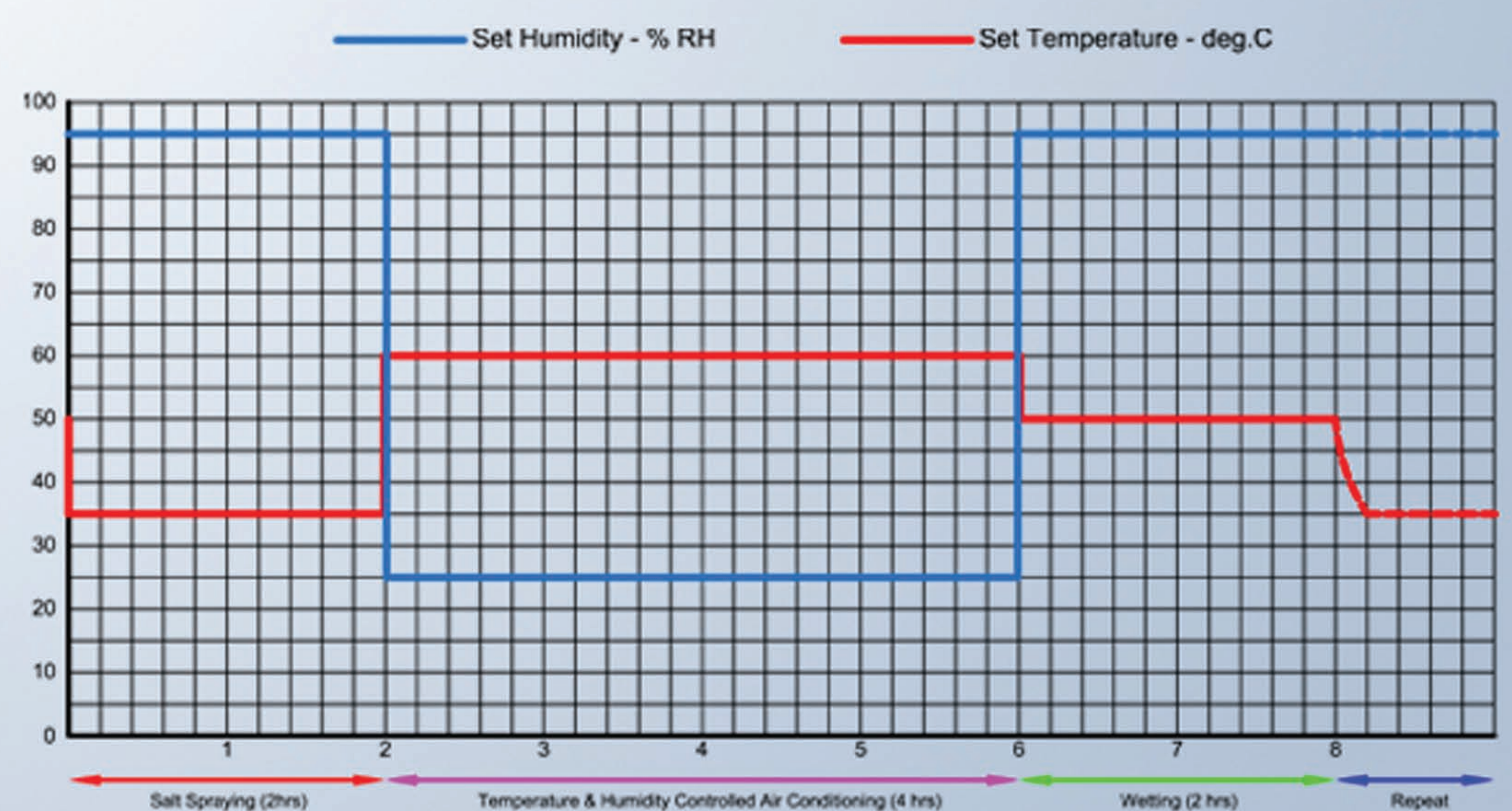
GM9540P Test Method



SAE J 2334



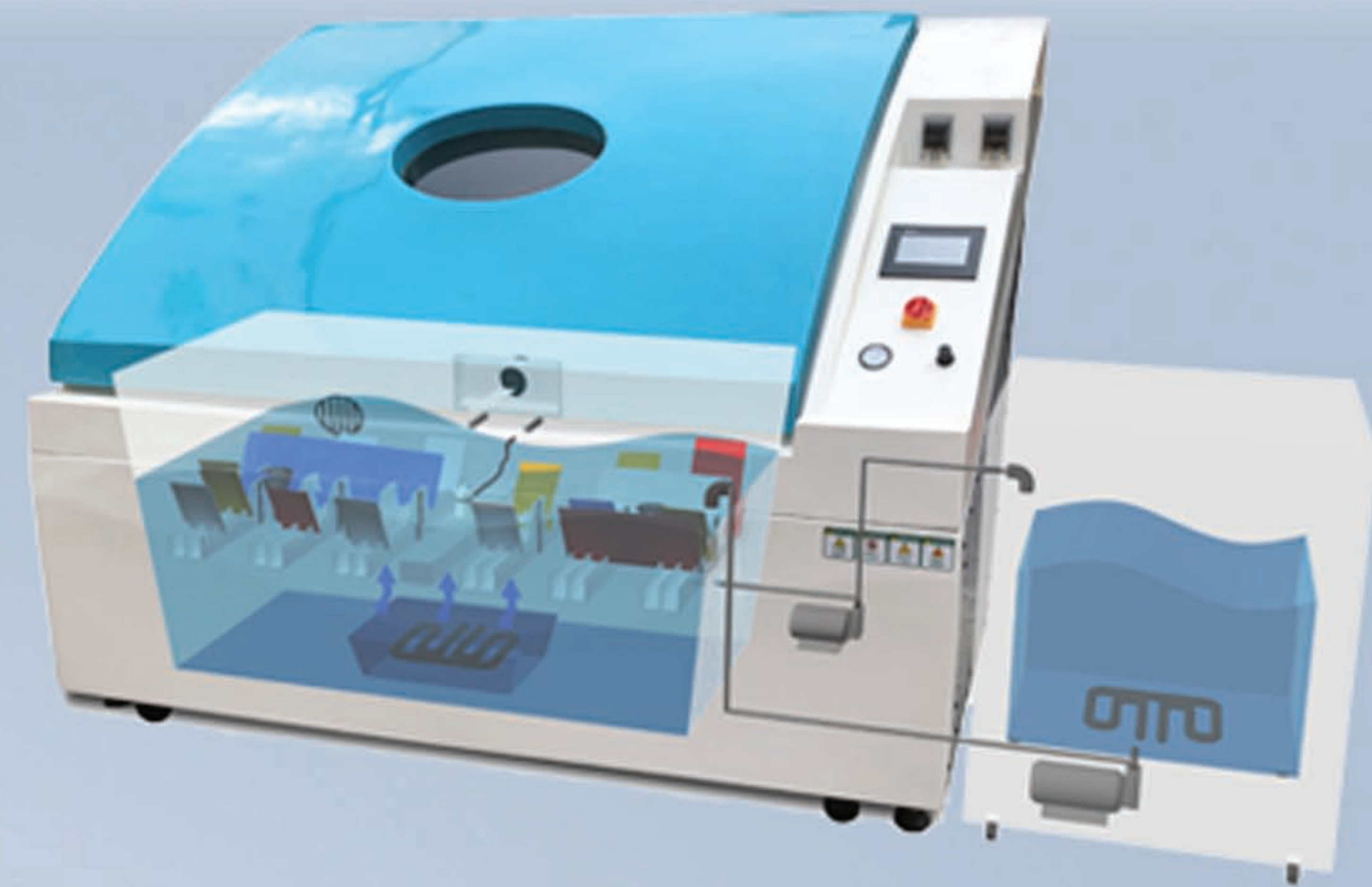
VDA 621 - 451 Test Method



CCT - Test Method

Liquid Immersion (option)

- Liquid temperature: Rm to 70C (controllable)
- Include water pump
- SAE J2334



SO2 gas dosing (option)

- SO2 range: 25 to 1000ppm
- 35cm²/min/m³
- ASTM G85 Annex 4



Model	JTH-CCT500	JTH-CCT1000	JTH-CCT1500
LCD touch screen Controller	Digital set and display of temperature and humidity Temperature and humidity graphical display and logging Graphical user interface		Error history display and record Built-in user configurable timer for exposure period Alarm to indicate the test times have been completed
Capacity	500L	1000L	1500L
Internal Dimension (mm) H x W x D			
External Dimension (mm) H x W x D			
Weight	200kg	250kg	280kg
Temperature in chamber	adjustable up to 80C +/-1degC (option : 100C)		
Humidity in chamber	15 to 98%RH +/-3%RH		
Salt Spray rate	0.5 to 2.5ml/80cm ² /hour(adjustable)		
Wetting mode	95% to 100%RH at the range of 30 to 70C (adjustable)		
Salt Solution Tank	Portable and separate from the chamber.		Technical grade salt (sodium Chloride, NaCl)
Salt Solution Ext. Dim	600 x 500 x 500mm(H x W x D)		700 x 600 x 500mm(H x W x D)
Salt Solution Tank Size	100L		150L
Specimen racks and slots	Removable for upper mounting position The racks with fixed angle slots Slot dimension : 3mm width and angled at 15 degrees from vertical position Mesh type racking		
Ergonomic racking height	550mm	650mm	650mm
No. of sample racks	6	10	14
Data Storage	USB (option)		
Cyclic Corrosion Test Software	Comply with ASTM B117, ISO9227, JIS Z2371 Able to set, display and recorded the test data Can create 8 distinct programmable environmental parameters in any sequence and repeated automatically which are salt spray, condensation humidity, air drying, controlled temperature and humidity		
Air Connection	4 to 6 bar		
Water Connection	0.5 to 5 bar		
Power Supply	3phase 400Vac 50/60Hz		
Standard	ASTM, BS, DIN, ISO, IEC, MIL STD, NATO STANAG, GMW, JASO, VDA, GM, VW, Toyota, Renault, Volvo etc		

Noted: Custom internal dimension available on request