

## XT5107DSC series stability chambers for drug substances and products

## XT5418DPC series photo-stability chambers for drug substances and products

### Key features

Available with capacity of 275L, 480L, 800L and 1200L for varieties of applications

Guidelines for temperature testing, humidity testing, accelerated testing, long term testing and, visual and UVA exposure testing

Patented stepper valve hot gas by-passing and dynamic temperature and humidity control for stability up to  $\pm 0.1$  °C and  $\pm 2.0$  %RH, for continuous reliable operation

Available with capacity of 275L, 480L, 800L and 1200L for varieties of applications

Full range of features to support ICH Q1A (R2) and Q1 B

Guidelines for temperature testing, humidity testing, accelerated testing, long term testing and, visual and UVA exposure testing

Patented stepper valve hot gas by-passing and dynamic temperature and humidity control for stability up to  $\pm 0.1$  °C and  $\pm 2.0$  %RH, for continuous reliable operation

7 in high resolution true color TFT touch screen for data input for equipment operation, programming of temperature and humidity, alarm history and operating status, in text, graphic symbols and curves.

Optional data acquisition and recording system meeting requirements for FDA, CFR 21 Part 11 Replacement for Binder KBF & KBF P, Memmert ICH L and MMM Climacell

### Typical applications

New active substances, medical products, and similar applications



**Standard features and functions**



XT5418-DPC480

**Optional features and functions**



Touch screen

**XT5418DPC series photo-stability chambers for drug substances and products**

Models		XT5418-DPC275	XT5418-DPC480	XT5418-DPC800	XT5418-DPC1200
Effective capacity	L	275	480	800	1200
Overall size	mm	640W x 660D x 1600H	740W x 740D x 1972H	1040W x 820D x 1972H	1340W x 900D x 1972H
Interior size	mm	535W x 480D x 950H	635W x 560D x 1350H	935W x 640D x 1350H	1235W x 720D x 1350H
Cooling capacity @2°C/ 20°C	W	300	400	650	950
Heater wattage	W	450	450	950	950
Temperature range @20°C	°C	+5 ~ +65	+5 ~ +65	+5 ~ +65	+5 ~ +65
ACC temperature range	°C	+5 ~ +40	+5 ~ +40	+5 ~ +40	+5 ~ +40
Temperature deviation	°C	1.0	1.0	1.0	1.0
Temperature stability	±°C	0.1 ~ 0.2	0.1 ~ 0.2	0.1 ~ 0.2	0.1 ~ 0.2
Humidity range (std / opt)	%RH	40 ~95 / 20 ~95	40 ~95 / 20 ~95	40 ~95 / 20 ~95	40 ~95 / 20 ~95
Humidity deviation	±°RH	3 ~ 5	3 ~ 5	3 ~ 5	3 ~ 5
Humidity stability	±°RH	1 ~ 2	1 ~ 2	1 ~ 2	1 ~ 2
VIS canopies & shelves (std / max)	EA	1/3	1/4	1/4	1/4
UVA canopies & shelves (std / max)	EA	1/3	1/4	1/4	1/4
Illumination intensity, FLCW, D65	Lux	8000	8000	8000	8000
Illumination intensity, UVA	mW/m <sup>2</sup>	2000	2000	2000	2000
Air movement		Horizontal	Horizontal	Horizontal	Horizontal

## XT5107DSC series stability chambers for drug substances and products

Models		XT5107-DSC275	XT5107-DSC480	XT5107-DSC800
Effective capacity	L	275	480	800
Overall size	mm	640W x 660D x 1600H	740W x 740D x 1972H	1040W x 820D x 1972H
Interior size	mm	535W x 480D x 950H	635W x 560D x 1350H	935W x 640D x 1350H
Cooling capacity @2°C/ 20°C	W	250	350	500
Heater wattage	W	450	450	950
Temperature range @20°C	°C	+5 ~ +65	+5 ~ +65	+5 ~ +65
ACC temperature range	°C	+5 ~ +40	+5 ~ +40	+5 ~ +40
Temperature deviation	°C	1.0	1.0	1.0
Temperature stability	±°C	0.1 ~ 0.2	0.1 ~ 0.2	0.1 ~ 0.2
Humidity range (std / opt)	%RH	40 ~95 / 20 ~95	40 ~95 / 20 ~95	40 ~95 / 20 ~95
Humidity deviation	±°RH	3 ~ 5	3 ~ 5	3 ~ 5
Humidity stability	±°RH	1 ~ 2	1 ~ 2	1 ~ 2
Shelves (std / max)	EA	2/5	3/7	3/7
Air movement		Horizontal	Horizontal	Horizontal