Richmond Scientific

Data sheet

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Photostability chamber

KKS 240 ICH Smart PRO



The photo above is for reference only, may show additional options not included in standard equipment. The real appearance, particularly color and structure of the material may differ from the ones presented in the photo.

KKS ICH SERIES chambers for photostability testing - compliance with ICH Q1B

• Full photostability test in compliance with ICH Q1B in max. 29 hours (the indicated time applies to flat samples, for objects of other shapes, tests will take less time) – saving time and energy
• Large usable shelf area with uniform lighting for consistent sample conditions
• Complete test control with SMART PRO controller and LabDesk CFR software
• The most precise and efficient lighting system for ICH Q1B
• Two specially designed lighting systems: with UVA light and VIS light
• Use of premium-class lighting components (Osram, Philips)
• Excellent VIS light quality, close to natural conditions (CRI > 90, 6500K)
• Max efficiency of lighting systems, enabling the fastest possible photostability testing in compliance with ICH Q1B
• Interior of chamber in stainless steel, powder-coated white

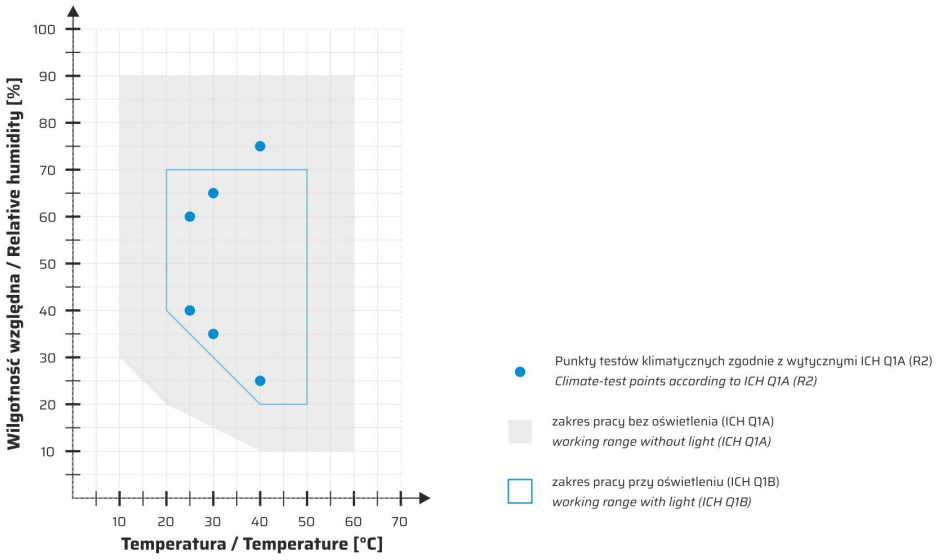


TECHNICAL DATA

air convection	forced
chamber capacity [l]	315
working capacity [l]	215
controller	microprocessor PID
display	7" full colour touch screen

TEMPERATURE AND HUMIDITY

temperature range without illumination (ICH Q1A) [°C]	+10...+60 (see chart for details)
temperature range with illumination (ICH Q1B) [°C]	+20...+50 (see chart for details)
temperature resolution every ... [°C]	0,1
temperature variation at 25°C and 60%rH [+/-°C]*	1
temperature protection	class 3.3 to DIN 12880
relative humidity range without illumination (ICH Q1A) [%]	10...90 (see chart for details)
relative humidity range with illumination (ICH Q1B) [%]	20...70 (see chart for details)
humidity resolution every ... [%]	0,1
humidity variation at 25°C and 60% rH [%rH]	2



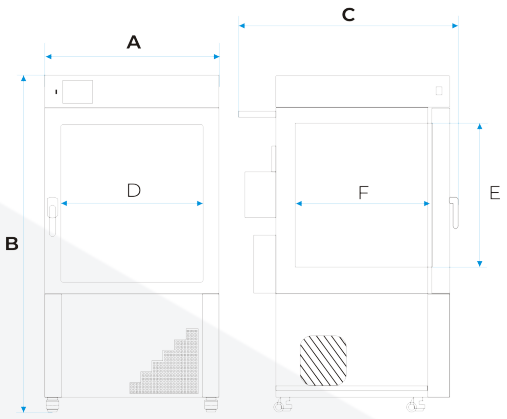
LIGHT

VIS-Illuminance [klx]	59
UVA-Irradiance [W/m²]	24 (20 with diffuser) /5/
ICH Q1B test duration (VIS/UVA) [h]/4/	29 (30.5 with diffuser) /5/
VIS light module	LED light, 6500K, CRI > 90
UVA light module	UVA fluorescent lamps

CHAMBER

door type	double (external solid, internal glass) / external glass (option)
interior	
Smart PRO	corrosion-resistant stainless steel to DIN 1.4301
IG Smart PRO	corrosion-resistant stainless steel to DIN 1.4301
housing	
Smart PRO	powder coated sheet

overall dims [mm] /1/	
width A	830
height B	1590
depth C	910
internal dims [mm]	
width D	600
height E	790
depth F	500



shelves (standard | max)	2 | 2
max shelf workload [kg] /2/	25
- reinforced shelf version (PW) [kg] /3/	100
max unit workload [kg]	90
weight [kg]	170
ELECTRICAL PARAMETERS	
voltage	230V 50/60Hz
nominal power [W]	2200
refrigerant	R290 / GWP=3
warranty	24 months
manufacturer	POL-EKO®

all the above technical data refer to standard units (without optional accessories)
* - variation (K) calculated for chamber as: K= +/- (T average max. - T average min.) / 2
** - other power supplies on request
1 - depth doesn't include 50 mm of power cable
2 - on uniformly loaded surface
3 - reinforced shelf
4 - indicated exposure time applies to flat samples. For samples of other shapes, the required exposure time may be shorter
5 - value in brackets applies to the chamber fitted with an additional diffusing panel, which ensures excellent lighting uniformity across the working space

OPTIONS AND ACCESSORIES

Order number: 05-1200-1204-0300003	LabDesk CFR - CFR 21 part 11 complaint software
Order number: 05-1200-1204-0300004	LabDesk CFR - unit access

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Order number: 05-1200-2008-0600000 Tank with a wide inlet



Order number: 05-1200-2008-0700000 RO6 System – reverse osmosis kit