KW APPARECCHI SCIENTIFICI

Technical Data Sheet
Platelet Incubators (MD Class I)

MANUFACTURER
KW Apparecchi Scientifici S.r.l.
Via della Resistenza 119 - 53035 Monteriggioni (SI) - Italy
MODEL
WRV 700 HPL
Refrigerated platelet incubator with forced air circulation

TECHNICAL CHARACTERISTICS	
Storage Volume	700 lt
T Range	+0°C / +45°C
T Set	+22°C ± 2°C
T Stability	< ± 1°C
T Uniformity	< ± 1°C
Power Supply	220/230V - 50/60Hz
Power Consumption	max 720 W
Noise Level	< 48 dB

STRUCTURE			
Internal Surface	Stainless Steel AISI 304	Insulation	High density PUR foam (60 mm)
External Surface	White pre-painted steel sheet	Door Type	One wing, glass type, anti-fog
External Dimensions	71 W x 93 D x 203 H cm		Self-closing with opening angle <90°
Internal Dimensions	59 W x 67 D x 151 H cm		Auto agitation stop with open door
Weight	130 kg	Door Sealing	Magnetic silicone gasket
Shipping Size (with wooden crate)	95 W x 110 D x 240 H cm	Standard Equipment	Key-lock system
	225 kg		Automatic internal LED light
Int/Ext corners	Rounded for easy cleaning		n°4 pivoting wheels (n°2 with brakes)

REFRIGERATION SYSTEM	
Cooling System	Air condensing unit, with expansion through capillary tube
Refrigerant Gas	R1233zd(e)

HEATING SYSTEM	
Heating System	Heating is obtained with specific heating elements with low thermal density
Heat Exchangers	Placed in a separate area from the internal chamber, for an high uniform thermostating
Thermostatic Flow	Driven by a high efficiency helical fan

DIGITAL CONTROL SYSTEM		
HPL (High Performance Line)		
Display	Display touch-screen TFT 7" - Microprocessor ARM9 technology (n°2 indipendent motherboards)	
T regulation accuracy	± 0.1°C	
Thermal Probes	n.2 thermal probes RTD Pt100 class A (n.1 for thermoregulation - n.1 for T alarm)	
Available Languages	Italian / English / French / Spanish / German	
Data Recording Format	SQLite (Tracer® software included for data reading)	
Access Control	Access to controller functions via safety password	
Maintenance	Possibility to connect remotely via IP address	
Special functions	Real-time temperature graph on display	
	Disaster recovery (the freezer continues to run even in the event of a CPU failure)	
	Safety control (the freezer continues to operate even if the control probe breaks)	
	Data logger function (Automatic recording of temperatures and alarms)	
	Key test (the user can simulate alarm conditions with a simple key pressure)	
	Info test (The functional test performed in the factory can be repeated by the user)	
Connectivity	USB port	Ethernet port
	SD Card port	Dry contacts for remote alarms
Alarms list (Audio/Visual)	High/Low temperature	Faulty probes
	Power failure alarm with back-up battery	Compressor timing failure
	Door open	High temperature condenser
	High condenser pressure	Dirty condenser
	Battery failure	Communication failure with motherboards
	Pressure switch intervention failure	Pressure transducer intervention failure

OPTIONAL ACCESSORIES AVAILABLE ON REQUEST	
Internal/external pass-through hole	Weekly cycle chart disk recorder (n°52 spare disks included)
Additional RTD Pt 100 probe	Wi-Fi router