2019-Blood-line ENG
Vers.1.3

KW APPARECCHI SCIENTIFICI

Plasma Freezers

-20°C -30°C -40°C

Medical Device

BLOODline

Medical devices for
transfusion centres
and hospitals

www.kwkw.it

BLOODline

Devices for blood conservation and erivates



CONTACTS:

International Sales Manager: **export@kwkw.it**
Tender Commercial Office: **customerservice@kwkw.it**
Technical Support & Spare Parts: **assistenza@kwkw.it**
Service line: **service@kwkw.it**
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Administration: **administration@kwkw.it**
Managing Director: **management@kwkw.it**
Technical Production Manager: **technician@kwkw.it**



BloodLine

Devices for blood conservation and derivates

Characteristics of this range represent the answer to all conservation exigeances: blood, plasma, platelets and red blood cells. KW has realized a very complete range of blood bank refrigerators, cold rooms, freezers, thawers, incubators and agitators, in order to satisfy requests of blood transfusion centres for hospitals, care houses, analisys laboratories, surgery rooms, etc.

KW Bloodline® range refrigerators and freezers can be validated, following GMP rules, as regards T uniformity and stability.

Blood Banks Medical Project KBBR-KBPR



KBBR 400V AC

KBBR 180V AC

Blood Banks KLAB-BBR



KLAB-BBR 700V NIA Blood Bank

FRIGOEMATICA SBB5 HPL

Plasma Freezers -40°C -86°C PL - PLL



K54EPL/PLL
Plasma Freezer (-40°C/-80°C)

K60PL/PLL

Plasma Freezers -20°C -45°C



KBPF 600X PP
Plasma freezer

KBPF 600X PP/2D
Plasma freezer

Many capacities available
(from 200 to 600 liters)

Plasma Freezers -20°C -86°C - Biological Bank HPL - HPLL



TOTAL CONNECTIVITY
TOTAL TRACEABILITY
CONTROLLED ACCESS



7" TFT Display Touch Screen

USB

SIM
GSM

ETHERNET

SD



CERTIFIED CLASS IIa MEDICAL DEVICE
in line with directive 93/42 - 2007/47 CE

HPL UltraSlim Freezers -40°C -86°C



NEW

SAVE SPACE IN YOUR LABORATORY!

Reduced Footprint with VIP Panel



7" TFT Display Touch Screen

VIP PANEL

K58USHPL

Plasma Fast Freezers





KPFF 24B
Plasma Shock Freezer

BAGS TEMPERATURE RECORDER





USB



KPFF 48B
Plasma Shock Freezer

Plasma Thawer/ Red Cell Warmer

USB

SD

Plasma & Stem Cell Thawer





SIM
GSM

ETHERNET

MODEL
WPFD 2/4



Display Touch Screen

Platelet Incubator/Agitator





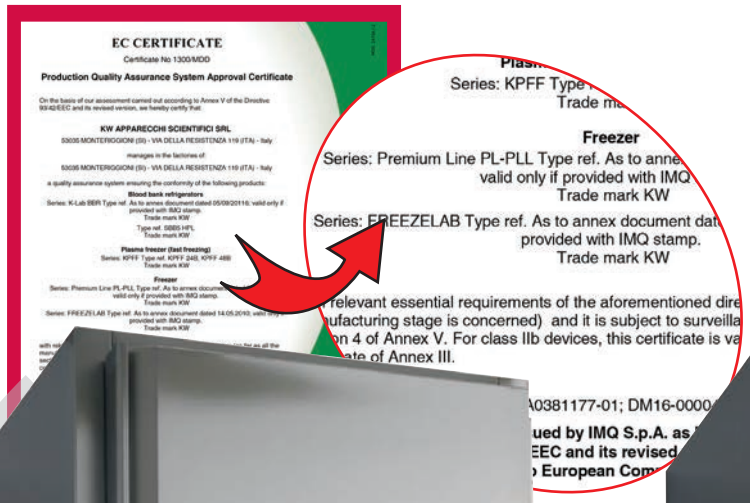
HPL Control



W-WR+AGITATOR

BloodLine

Plasma Freezers -20°C -45°C



MEDICAL DEVICE
CLASS IIa

DIRECTIVE 2007/47 CE



KBPF 600X PP Plasma freezer



KBPF 600X PP/2D Plasma freezer

BloodLine

Plasma Freezers -20°C -45°C

FREEZELAB-PLASMA-FREEZER DIRECTIVE 2007/47 CE				
Series FREEZELAB	Series ELITE Vertical		Series Frig.KDE Vert.	Series Frig.KDF Vert.
MODELS	KFE 600	KFS 600	KFDE 520	K 220 V
External dimensions (WxDxH)	cm67x87x195	cm67x87x195	cm72x75x191	cm60x63x188
Internal dimensions (WxDxH)	cm55x75x145	cm55x75x145	cm59x68x140	cm51x57x144
Set Point	-25°C	-30°C	-30°C	-40°C
Working range	-18°C/-25°C	-20°C/-30°C	-18°C/-30°C	-20°C/-45°C
Capacity (litres)	600	600	520	220
Pre painted steel closed doors	1	1	1	1
Shelves/baskets	5/0	5/0	7 /14	6/6
Weight Kg	140	150	103	90
Internal surfaces standard	Coated steel white	Coated steel white	ABS thermo moulded	ABS thermo moulded
External surfaces standard	Coated steel white	Coated steel white	Coated steel white	Coated steel white
Insulation thickness	60mm	60mm	80mm	80mm
Key Lock	ST	ST	ST	ST
Small rollers/wheels + stabilizing feets	ST	ST	ST	ST
(*) Controller NIA (display LCD, Smart defrost, HT, LT, BLACK OUT, failure list, door open, switching on/off password, alarm memory, alarm test, SAFETY CONTROL, DISASTER RECOVERY, key alarm test)				
Controller NIA (*)	ST	ST	ST	ST
NTC probe	ST	ST	ST	ST
RS485 (Serial Access)	ST	ST	ST	ST
None defrosting	ST	ST	ST	ST
AVAILABLE ACCESSORIES				
External surface inox	√	√	NO	NO
Internal surface inox	√	√	NO	NO
N.° aluminium drawers (DRAL)	√(7)	√(7)	NO	NO
N.° plastic drawers (DRAP)	NO	NO	ST	ST
Additional shelves	√	√	NO	NO
Opening door by transponder personal key	√	√	NO	NO
Temperature recorder	√	√	√	√
Remote-alarm devices	√	√	√	√
Printer (Strip Chart)	√	√	√	√
PT100 Probe (A class)	√	√	√	√
2 ch PT100 (control probe, alarm probe)	√	√	√	√
USB PORT+Software	√	√	√	√
Additional PT100 probe (free contacts for external data management system)	√	√	√	√
Data logger wireless+software/hardware (temperature management Spy KW)	√	√	√	√
IQ/QQ/ecc.	√	√	√	√
SPLIT	NO	NO	NO	NO
Internal - external hole	√	√	√	√
Voltage stabilizer ± 35V (±15%)	NO	NO	NO	NO
Water condenser	NO	NO	NO	NO

√	OPTIONAL
ST	STANDARD
NO	Not Available

CERTIFIED MEDICAL DEVICE CLASS IIa

BloodLine

Plasma Freezers -20°C -45°C

FREEZELAB-PLASMA-FREEZER DIRECTIVE 2007/47 CE						
Series FREEZELAB	Series KBPF Vertical		Series KBPF-PP Vertical		Series Frig.KFCE Horizontal	
MODELS	KFS 600S	KFS 600S 2D	KBPF 600 PP	KBPF 600 PP 2D	KFCE 460	K 460C
Ext. dimensions (WxDxH)	cm76x95x210	cm76x95x210	cm76x95x210	cm76x95x210	cm165x76x92	cm165x76x92
Int. dimensions (WxDxH)	cm57x73x151	cm57x73x151	cm57x73x151	cm57x73x151	cm144x51x67	cm144x51x67
Set Point	-30°C	-30°C	-40°C	-40°C	-30°C	-40°C
Working range	-20°C/-30°C	-20°C/-30°C	-30°C/-45°C	-30°C/-45°C	-18°C/-30°C	-20°C/-45°C
Capacity (litres)	600	600	600	600	460	441
Doors	1	2	1	2	1	1
Shelves/baskets	5 or more	5 or more	5 or more	5 or more	5 baskets	5 baskets
Weight Kg	160	170	190	200	90	90
Int. surfaces standard	AISI 304 stainless sheet	AISI 304 stainless sheet	AISI 304 stainless sheet	AISI 304 stainless sheet	Laminated aluminum	Laminated aluminum
Ext. surfaces standard	Coated steel white	Coated steel white	Coated steel white	Coated steel white	Coated steel white	Coated steel white
Insulation thickness	90mm	90mm	90mm	90mm	100mm	100mm
Key Lock	ST	ST	ST	ST	ST	ST
Small rollers/wheels	ST	ST	ST	ST	ST	ST
(*) Controller NIA (display LCD, Smart defrost, HT, LT, BLACK OUT, failure list, door open, switching on/off password, alarm memory, alarm test, SAFETY CONTROL, DISASTER RECOVERY, key alarm test)						
Controller NIA (*)	ST	ST	ST	ST	ST	ST
NTC probe	ST	ST	ST	ST	ST	ST
RS485 (Serial Access)	ST	ST	ST	ST	ST	ST
None defrosting	ST	ST	ST	ST	ST	ST
AVAILABLE ACCESSORIES						
External surface inox	ST	ST	ST	ST	NO	NO
Internal surface inox	√	√	√	√	NO	NO
N.° aluminium drawers	√(7)	√(7)	√(7)	√(7)	NO	NO
N.° plastic drawers	NO	NO	NO	NO	NO	NO
Additional shelves	√	√	√	√	NO	NO
Opening door by transponder	√	√	√	√	NO	NO
Temperature recorder	√	√	√	√	√	√
Remote-alarm devices	√	√	√	√	√	√
Printer (Strip Chart)	√	√	√	√	√	√
PT100 Probe (A class)	√	√	√	√	√	√
2 ch PT100	√	√	√	√	√	√
Additional PT100 probe	√	√	√	√	√	√
Data logger WiFi software/hardware	√	√	√	√	√	√
IQ/QQ/ecc.	√	√	√	√	√	√
SPLIT	NO	NO	√	√	NO	√
Internal - external hole	√	√	√	√	√	√
Voltage stabilizer ± 35V (±15%)	NO	NO	√	√	NO	NO
Water condenser	NO	NO	√	√	NO	NO

2016
Frigoematica (Smart Blood Bank)

2014
New controller and new KW image

2006
Rapid freezer for plasma -86°C

2002
Control **NEW ICE AGE KW CONTROL®**

2001
Medical Project® series

1990
Biological Bank -85°C®

1985
KW Apparecchi Scientifici S.r.l

Anni '70
First **vertical** freezer **-85°**

1961
First **horizontal** freezer **-85°**

1953
KW (kalt/warm) **Officine Meccaniche**

ISO 13485:2012 ISO 9001:2008 ISO 14001:2004

Made in Italy

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