



MANUFACTURER

KW Apparecchi Scientifici S.r.l.

Via della Resistenza 119 - 53035 Monteriggioni (SI) - Italy

MODEL

WPF2 2/4

Plasma and Stem Cells Thawer

CE Certification

Medical Device Class I - EU 2017/745 MDR

HS Code

84198998

TECHNICAL CHARACTERISTICS

Independent Chambers

n°2

Thawing Capacity

n°4 plasma bags of 450 ml (n°6 in emergency situation)

n°2 plasma bags of 1000 ml

**Average Thawing Cycles
(For plasma stored at -30°C)**

250 ml plasma bags

14 min.

500 ml plasma bags

20 min.

T Regulation Range

+5°C above ambient temperature / +50°C

Water T Set Point

+40°C

Water Chamber Volume

25 lt

Chamber draining time

Approx. 5 minutes

Power Supply

110V-230V / 50Hz-60Hz

Max Absorbed Power

685 W

Noise Level

≤ 35 dB

STRUCTURE

Int/Ext Surface

Antibacterial HDPE

External Dimensions

W 38 x D 62 x H 42 cm

Int. Frame for Probes/Pumps Support

AISI 316 stainless steel

Weight

25 kg

Blue Pockets Material

Waterproof neoprene

Shipping Size

85 W x 75 D x 70 H cm

Upper Covers

Transparent methacrylate

(with wooden crate)

55 kg

THAWING SYSTEM

Dry Thawing

No contact between the thawing water and the bags

Ease of Cleaning

The pockets are easily removable and washable under running water

Tank Emptying

Presence of faucet for fast water drainage; inner tank with inclined base for the total removal of water

**Electromechanical
and
Electronic Parts**

Power heater

n° 2 PT100 probes for water T control

n°2 water level sensors

Independent safety thermostat

Water recirculation pump in the chamber

n° 2 PT100 probes for each pocket

Plasma leak sensor for each chamber

Water filling pump

DIGITAL CONTROL SYSTEM

**HPL
(Microprocessor Technology)**



Display

7" TFT touch-screen display

Data Recording Format

SQLite (Tracer® software included for data reading)

T Regulation Accuracy

± 0.1°C

Access Control

Access to controller functions via safety password

Ease of Use

The user can display the surface temperature reached by the bag in real time

The whole process is recorded automatically

Total connectivity

Special Functions

Each cycle can be controlled by temperature or by time

Thawing cycle starts when the set water temperature (default 40°C) of the tank is reached

The thawing cycle can be started independently in all two pockets, even at different times.

The thawing process is constantly monitored and recorded

Possibility of tracing the thawing curve on the screen throughout the cycle time

Every single thawing cycle is stored in the memory to allow the historic retrieval

Settable Parameters

Thawing cycle setting to end when the set time is reached

Thawing mode

Thawing cycle setting to end when the set T is reached

Warmer mode for heating blood components and infusions solutions

Connectivity

n°2 USB ports

Ethernet (TCP/IP ModBus protocol) port

**Alarm List
(Audio/Visual)**

End of thawing cycle

Liquid presence in the bags

Over Temperature

OPTIONAL ACCESSORIES AVAILABLE ON REQUEST

Wi-Fi connection kit

Bar-Code reader with software Thawing Tracer