

KLF CONTACT FREEZER SERIES

fastest freezer
on the market



CERTIFIED
ISO 13485

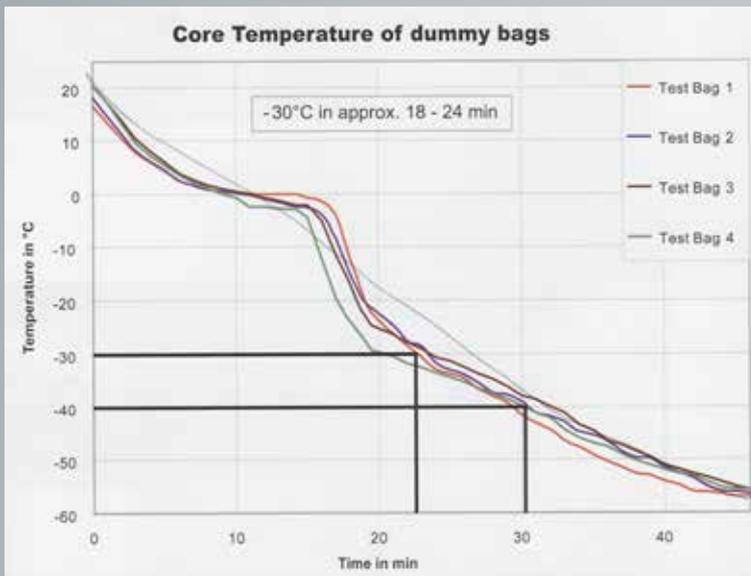
Quality Management System

Notified Body 0636

PERFORMANCE -30°C IN 30 MINUTES

Qualification test of KLF 12-18

18 plasma bags (capacity 500 ml, filled with 350 ml plasma), incl. 4 KLM 500 dummy bags



Device: KLF 12-18 LS, Date: 27th July 2016, Start/Tamp 9:15/21°C

The horizontal contact freezer systems are customized solutions and are meeting your demands. These devices are using the newest cooling technology and are validated in various clinical applications.

Its horizontal freezing process guarantees uniformly shaped bags which are frozen to the core.

Several charges can be frozen consecutively without defrosting.



Features

In compliance with EU recommendation No. R (95)15 and European Plasma Master File (PMF)

- * traceability of each freezing cycle
- * maximum freezing efficiency
- * possibility to freeze all kind of plasma bags
- * easy-to-use interface
- * pneumatic lift
- * rollable, ready-to-plug in or external solution
- * night storage control
- * stainless steel plates
- * fast pre-cooling process
- * water- or air cooled solutions



CLST presentation
of KLF plasma
shock freezer
on youtube



Accessories

The software option is „Coolspy“ to evaluate and document all important parameters. Temperature display shows the measured temperatures for both of the freezing plates and the dummy bag.

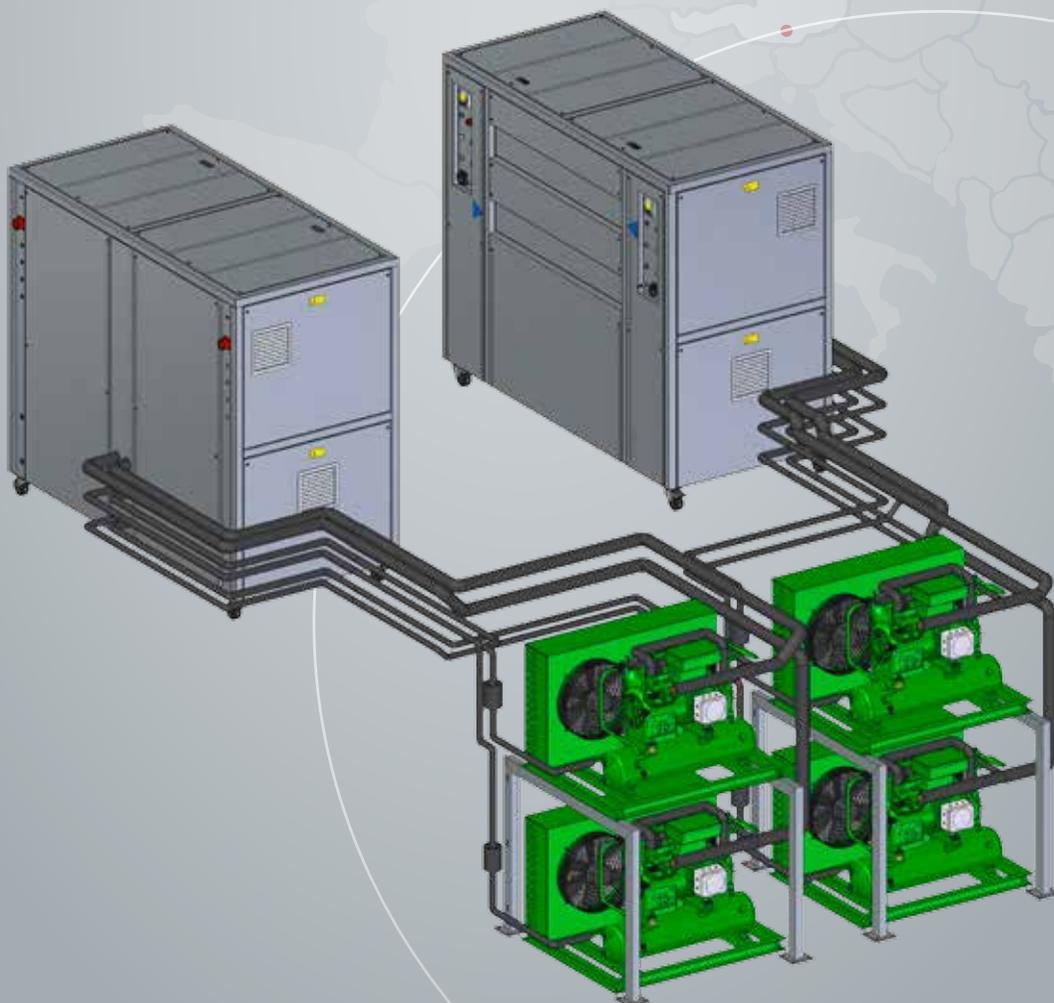
All displayed temperatures are stored according to the bag-id, date, time user and the entire freezing process in the SQL data base.

- * hardware: PC-system and barcode scanner
- * software: process monitoring, documentation and evaluation
- * dummy bags in 500 and 1000 ml size
- * dummy sensors
- * rest boards for charge preparation
- * medical device certification

External solution

Customized solutions with external cooling unit

- ❄ less noise
- ❄ less heat emission
- ❄ possible for all KLF models
- ❄ CAD room planing



KLF Series

Certified ISO 13485

KLF 12-18

- * Capacity: 12 plasma bags with 1000 ml or 18 plasma bags with 500 ml
- * Dimensions: 1250 x 890 x 1260 mm (WxDxH)
- * Connection: 3-phase electric power connection
- * Production per day (8h): 198 bags (nominal size 500 ml)
- * Optionally water- or air-cooled
- * Available as plug-in or split devices



KLF 16-24

- * Capacity: 16 plasma bags with 1000 ml or 24 plasma bags with 500 ml
- * Dimensions: 1450 x 890 x 1260 mm (WxDxH)
- * Connection: 3-phase electric power connection
- * Production per day (8h): 264 bags (nominal size 500 ml)
- * Optionally water- or air-cooled
- * Available as plug-in or split devices



KLF 32-48

- * Capacity: 32 plasma bags with 1000 ml or 48 plasma bags with 500 ml
- * Dimensions: 2200 x 1000 x 1900 mm (WxDxH)
- * Connection: 3-phase electric power connection
- * Production per day (8h): 528 bags (nominal size 500 ml)
- * Optionally water- or air-cooled
- * Available as plug-in or split devices



Company Profile

CLST GmbH is a customer oriented provider of equipment for controlled rate freezing, storage and transport of medical and biological materials.

Our cryo logistic line consists of the following major products:

- * **FULL SERVICE** - tissue banks
- * **KLS** - flexible, modular storage system with vital parameter documentation
- * **ROBOTICS** - fully automated sample handling for in- and output
- * **CRYOSPACE** - KLS inventory software with chaotic storage ability, access control and GLP documentation
- * **KLF** - high speed contact freezer for plasma, core temperature of -30°C in 30 minutes
- * **COOLSPY** - freezing process monitoring and evaluation software
- * **KLT** - transport systems

CLST GmbH has registered all products with the FDA.

Contact

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