

Z-450

Storage chamber




Technical concept

Refrigerated preservation system for semen doses that prevents thermal shock and keeps doses under optimal conditions till the moment of insemination. It is specially designed and built to keep semen doses at a constant temperature, previously set, between 15 and 40°C.

- Nominal usable volume: 344 litres
- Optimal no. of Semenbag doses: 650 doses



TECHNICAL SPECIFICATIONS

Supply voltage:	220-240V
Frequency:	50Hz
Refrigerant fluid:	R-600a / 36g
Nominal power:	270W
Max current at compressor start-up:	10A
Nominal useable volume:	344 l
Optimal no. of doses:	650 doses
Temp. measurement resolution:	0.1°C
Temperature range:	15°C to 40°C +/-0.5°C
External dimensions:	595x735x1850 (height) mm
Unladen weight:	76 Kg

Advantages

- The Z-450 is equipped with a based digital regulator, which controls the temperature inside the container.
- It also has an alarm system which allows the operator to check whether a serious deviation in temperature has occurred at any time that would affect the preservation of the semen.
- To ensure the temperature is as even as possible inside the container, the machine has a forced-ventilation system that guarantees constant recirculation of air.
- The container's interior is designed to enable the automatic collection and evaporation of condensates.
- Designed and adapted to satisfy the highest demands in terms of reliability and safety during its whole useful life.
- Energy classification A++.
- 5 shelves.
- Quiet operation.

Our recommendations for a proper preservation and storage of seminal doses:

- » Check that this preservation device maintains the homogeneous inner temperature. For this, we recommend a constant indoor air flow recirculation.
- » Place the seminal doses evenly inside the device.
- » Place the machine in non-closed places to ease breathing of the engine.
- » Remember that continually opening the equipment affects its performance and consumption.
- » Keep doses between 15.5 ° C and 16.5 ° C
- » Avoid temperature fluctuations during the storage period. The critical temperature at which irreversible damage to the sperm membrane occurs is below 12 ° C
- » Do not expose the doses for long periods of time to direct light.
- » Do not rotate doses during storage.
- » If in doubt, contact our technical service.

