



CryoFreezer CF

High efficiency freezer for storage in liquid nitrogen vapor phase

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We reserve the rights for this elaboration according to DIN ISO 16016. Any depicted design corresponds to the current state of technology. Alterations to this embodiment will void validity.

Application High efficient freezer for reliable storage and safe handling of biogenous material under liquid nitrogen vapor. The container is conceived for vapor phase storage with low nitrogen consumption.

Structure



Description The freezer consists of a vacuum super isolated interior container made of stainless steel with included offset neck. On a rotating interior tray the samples are stored in racks. The level of liquid nitrogen is controlled automatically. Alarm systems secure safe and reliable operating. The metal lid consists of a core of foamed isolation material. All the necessary filling connections are already installed and can be equipped depending upon customers need.

CryoFreezer	Type	CF 370	CF 460	CF 800	CF 1800
Parameters of the tank					
Neck opening	mm	320	320	445	630
Operation height	mm	675	875	780	875
Inner diameter	mm	730	730	980	1420
Total height	mm	1245	1450	1605	1705
Door width requirements	mm	815	815	1070	1525
Emty weight	kg	235	258	355	745
Full weight	kg	536	632	1004	2186
Performance					
Liquid nitrogen capacity	l	370	460	797	1770
LN2 capacity under pallet	l	52	55	133	295
Static storage days (gas phase)	d	10	11	20	30
Static storage days (liquit phase)	d	74	92	118	177
Maximum storage capacity					
Number of 2ml cryo vials		15.600	19.500	39.200	92.250
Number of racks with 10x10 boxes		12	12	24	54
Number of racks with 5x5 boxes		4	4	16	30
Vial boxes per rack		12	15	14	15
Storage capacity of blood bags / Layers of blood bag rack / Number of blood bag racks					
250 ml		416 / 4 /104	520 / 5 /104	812 / 4 / 203	1980 / 5 /396