

Auguste Cryogenics Medical Family Aluminum Vessels



LIN series for the storage and distribution of liquid nitrogen

The vessels of the LIN series from the Auguste Cryogenics Medical Family are special containers for the transport and distribution of liquid nitrogen. The containers with volumes between 3 and 50 liters are transportable and easy to handle - for the convenient distribution of small amounts of cryogenic liquid nitrogen in the laboratory and technology.

The containers of the Auguste Cryogenics Medical Family are particularly characterized by:

- high portability thanks to their low weight and compact dimensions
- long holding times, resulting in high economic efficiency
- large capacity of straws
- Design and quality according to Auguste Cryogenics' standards

The vacuum-insulated, double-walled aluminum containers of the Medical Family are therefore ideally suited for use in medical institutes, biological laboratories, institutes for artificial insemination and pharmaceutical facilities.

Since the containers are open to the atmosphere, they are NOT pressure tanks according to the Pressure Equipment Directive 97/23 EG.

Many containers from the Auguste Cryogenics Medical Family LIN series are transportable and have ADR approval. The transport of filled containers on public roads and railways is **only permitted according to the requirements of the current GGVSEB/ADR/RID**.

The containers are not intended for applications with patient contact and may only be operated and serviced by trained personnel.



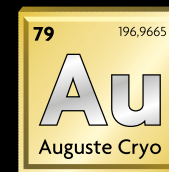
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AC Medical Family LIN Series

Cryogenic storage containers for the storage and distribution of liquid nitrogen



Auguste Cryogenics

Model	LN2 Capacity (l)	Empty weight (kg)	Outer diameter (mm)	Overall height (mm)	Neck opening (mm)	Static evaporation rate (l/day)*	Static holding time (days)*	ADR
AC LIN3	3	3,1	223	435	50	0,12	26	yes
AC LIN6	6	4,8	300	482	50	0,12	86	yes
AC LIN10	10	6,1	300	545	50	0,12	86	yes
AC LIN13	13	6,3	310	627	50	0,12	109	no
AC LIN20	20	9,5	394	673	50	0,12	168	no
AC LIN20T	20	10,9	394	673	50	0,20	101	yes
AC LIN25	25	10,7	394	705	50	0,14	175	no
AC LIN30	30	12,9	462	705	50	0,12	254	no
AC LIN35	35	14,2	462	749	50	0,12	286	no
AC LIN50	50	17,2	462	810	50	0,22	213	no
AC LIN50T	50	17,8	462	825	50	0,24	209	yes
AC LIN60	60	20,0	462	950	50	0,24	225	no
AC LIN100	100	37,0	508	1025	50	0,35	232	no

Note: The containers may only be operated with a maximum of 0.5 bar in Europe!

* The stated values are nominal values that were determined without storage system equipment and under precisely defined conditions. Depending on the operating conditions and the storage system equipment used, the actual values may vary considerably.

Optionally available: The AC Liquid Withdrawal Device

The vessels from the Auguste Cryogenics Medical Family LIN Series can optionally be equipped with the **AC Liquid Withdrawal Device (LWD)**. The withdrawal device allows for the easy withdrawal of liquid nitrogen under pressure from the AC Medical Family containers. The device is attached directly to the dewar flange.

Flow rates of up to 4 liters per minute are possible at a working pressure of up to 0.5 bar*. The liquid can be withdrawn directly from LWD spoud assembly or with a standard cryogenic hose that is connected to the liquid valve.

The dewar can be filled with the LWD installed. With this filling method, the liquid is filled into the dewar by means of a slight overpressure through the LWD, whereby the pressure in the dewar can be kept sufficient for subsequent liquid withdrawal by choking at the vent valve.

For more information on the AC Liquid Withdrawal Device please contact us.

