

# CRYOGEN® Fill



Professional, Automated Filling  
of Liquid Nitrogen  
SAFE · FAST · RELIABLE



# The Safe Alternative



For Filling of Liquid Nitrogen



## Convincing advantages:

- professional, automated filling of liquid nitrogen
- secure filling tanks to dual sensor technology
- wall-mounted or stand-mounted options. Integration into existing cabinets is also possible
- no waiting times between the filling operations. Several vessels can be filled consecutively
- functional, elegant and modern design
- only 230V, 50Hz electricity supply is needed
- filling from tank units is possible up to 18 bar
- developed on the basis of practice
- cost-effective
- pressure reduction available as an option
- acoustic and optical signal: „Vessel full“

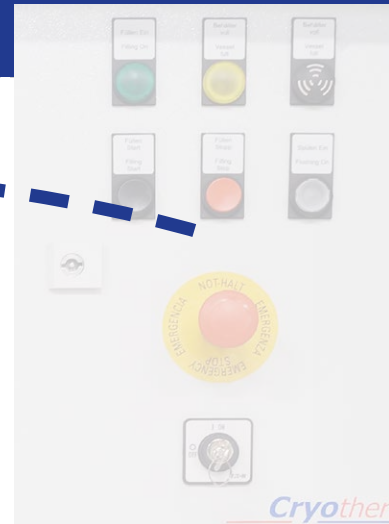




## Optimum Position for Optimum Work



- simple connection via filler and exhaust ports by means of flexible metal hoses of 1.5 m in length
- interruption and restart possible at all times
- additional emergency-stop button possible
- clearly arranged and simple operating panel



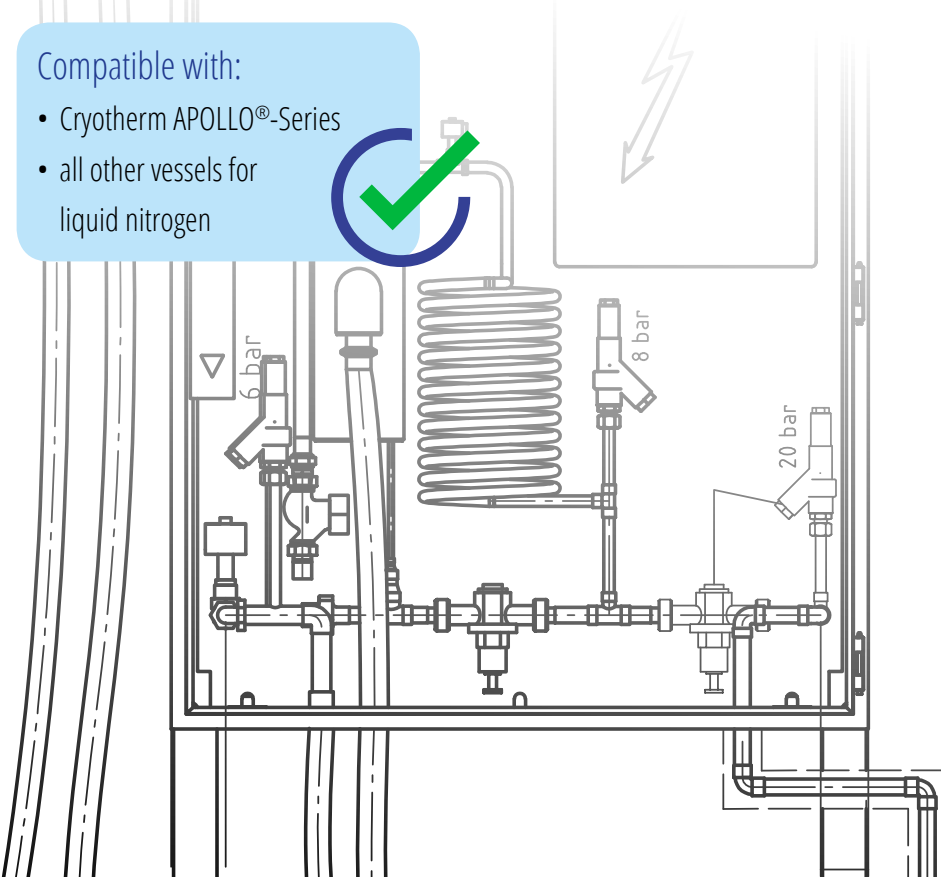
### Compatible with:

- Cryotherm APOLLO®-Series
- all other vessels for liquid nitrogen



### Automatic Filling

With CRYOGEN® Fill you can fill your transport vessels safely from stationary tanks using a positive operating pressure of up to 18 bar. Simply connect the vessels and press the "Filling Start" button. The system fills up to the prescribed 95% limit and then switches off automatically. The end of the filling operation is indicated optically and acoustically. Afterwards, a new vessel can be connected straight away, so that you lose no time at all.





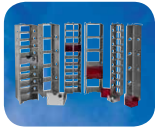
## NITROGEN VESSELS

APOLLO® LIN Supply and Storage Vessel (50 - 350 l) · JUNO® LIN Supply and Storage Vessel (30 l)  
SIRIUS® LIN Supply and Storage Vessel (1,000 - 2,000 l) · SATURN® LIN Transport Vessel (50 - 300 l)  
MERKUR® LIN Transport Tank (500 - 3,000 l) · STELLA® Working Dewar (0.5 - 10,000 l) · LAB® Dewar Series (4 - 50 l)



## BIOSAFE® SYSTEMS / LIFE SCIENCE

BIOSAFE® MD B Sample Storage System (Medical Product) (120 - 1,400 l) · BIOSAFE® SC B Sample Storage System (120 - 1,400 l)  
BIOSAFE-CONTROL® B · CRYO-MESSENGER® Remote Monitoring System · BIOSAFE® X/S-Series · Vapor Shipper  
STELLA® Working Dewar (0.5 - 10,000 l) · Controlled Rate Freezers (3.3 - 16 l)



## BIOSAFE® RACK-SYSTEMS

Racks · Drawers and Cryoboxes for Vials · Canisters for Straws in Goblets · SBS Boxes (Microtiter)  
Cassettes for Freezing Bags



## HELIUM VESSELS

HELIOS® LHe Storage Vessel (100 - 15,000 l)  
STRATOS® LHe Transport Vessel (100 - 1,000 l) · LHe Siphon



## OTHER VESSELS

HYDROS® LH<sub>2</sub> Transport Vessel (1,000 - 15,000 l) · STRATOS® Transport Vessel (100-1,000 l)  
APOLLO® Supply and Storage Vessel (50 - 350 l) · MERKUR® Transport Tank (500-3,000 l)



## CRYO LINE SYSTEMS

Rigid Line Systems (DN 14-300) · Flexible Line Systems (DN 20-150) · Phase Separator Stations (50 - 200 l)  
Gas Separator (5 l) · LHe Multiline



## CONTROL AND MONITORING TECHNOLOGY FOR CRYOGENIC GASES

BIOSAFE-CONTROL® B · CRYO-MESSENGER® Remote Monitoring System · CRYO LC® Level Measurement and Control Device  
LHe Level Measurement and Control Device · Capacitive Level Measurement · Oxygen Deficiency Warning System



## TRANSPORT COOLING FOR VEHICLES

CRYOGEN® TRANS-SYSTEM



## CUSTOMISING / TURNKEY SOLUTIONS / CRYO COOLER / COOLING BATHS

Do you have the right partner for your highly specific research tasks? Whether you work in microelectronics, analytics, environmental protection or one of the many other areas of research, we have the specialist staff who know your field and speak your language.



## CRYO ACCESSORIES & AFTER-SALES SERVICE

Accessories · Installation/Assembly · Start Up · Function Qualification IQ / OQ · Repair/Maintenance  
Spare Parts Service · Vessel Hire · Instruction/Training · Operating Manual · Service Hotline

# Cryotherm®

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