

Structure

CryoServer Control system for cryogenic warehouses

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Application The CryoServer control system is designed to perform all essential functions required for the fully automatic and safe operation of a cryogenic storage system in cryogenic warehouses.



Features

- Integrated or externally adapted room air monitoring with user-guided function control
- Control and monitoring of the fill level and pressure of the supply tank
- Control of the safety shut-off valve switch off in case of oxygen deficiency, emergency stop or excessive pressure
- □ Control of a phase separator, optionally with sub cooler function
- Control of manual or semi-automatic filling stations for Dewars or LN2 transport containers
- Monitoring of freezer containers with higher-level control of sequential and simultaneous filling via Modbus communication
- Visualisation of the supply system
- $\hfill\square$ Directly viewable log, stored on SD card
- □ Password-protected setup
- □ Web-based visualisation for remote monitoring

Description The CryoServer control system is equipped with a programmable controller that can be expanded with additional functions and control units, depending on the requirements of the cryogenic storage system. The system includes an UPS to bridge short-term power failures.

In addition to Ethernet and RS485 communication interfaces, the system features potential-free signalling contacts for forwarding alarms and faults to the building management system.

Techn. Data

Dimensions	mm	H x W x D = 600 x 380 (600) x 210
Weight	Kg	22 to 28
Operating Temperature	°C	-10 up to +40
Electrical Supply		230 VAC, 50 Hz, up to 1 kW

INGENIEURDIENST Risto GmbH Mählsweg 14, 24159 Kiel, Deutschland Amtsgericht Kiel HRB 26453 KI GF: Holger Reif, Hans Joachim Risto

KOMMUNIKATION fon 0431 36 36 90 fax 0431 36 36 95

info@ingenieurdienst.de www.ingenieurdienst.de BANKVERBINDUNG: Fördesparkasse BIC:NOLADE 21 KIE IBAN: DE62 2105 0170 0000 4846 26