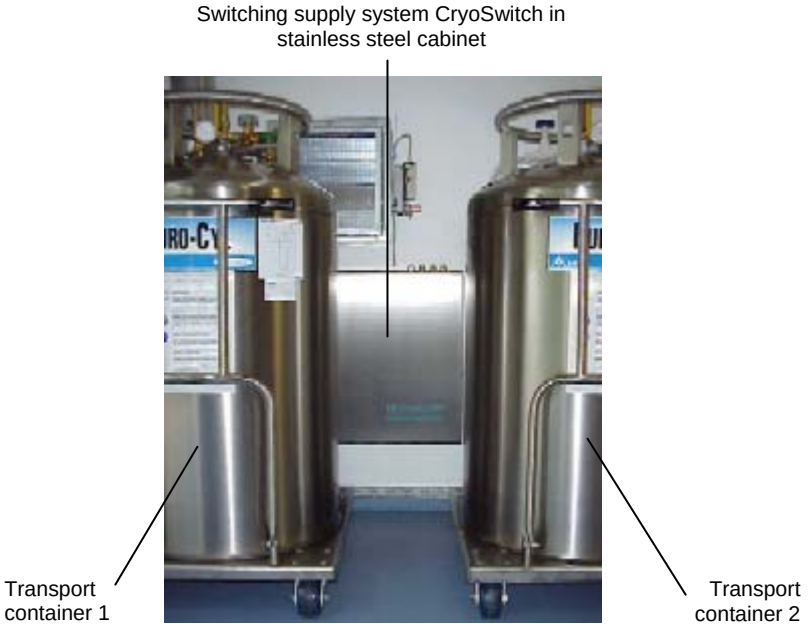
CryoSwitch
switching supply system
for transport containers

Application

CryoSwitch supplies a liquid nitrogen storage via two transport containers. The switching supply system supervises the filling of liquid nitrogen from a transport container and switches, if first container is empty, to the second full transport container.
CryoSwitch is used together with a second transport container, if the weekly supply of a transport container is no longer sufficient or a high supply reliability is demanded.

Structure



Description

CryoSwitch can be installed in a stainless steel cabinet. On the left and right from the cabinet the transport containers are attached. The changeover is effected via an electrically driven 3/2-way ball valve which is controlled depending on the filling pressure of the connected containers. The control and monitoring is carried out via a modular control system that can be integrated into the primary CryoServer control system. All pipe sections are equipped with safety valves. For local operating supervision pressure manometers for container- and system pressure are installed in the cabinet.
Status lights in the control system and displays on the CryoServer signal the operating status and enable switching functions. In case of power failure, the switching system can be operated manually.

Techn. Data

Operating pressure	bar	1,5
Operating temperature	°C	-196
Width	mm	500
Height	mm	700
Depth	mm	210
Weight	kg	20
Electrical supply		24 VDC
Protection		IP 65

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