



SCHÖNN
Medizintechnik GmbH

LOX CONTROL PANEL



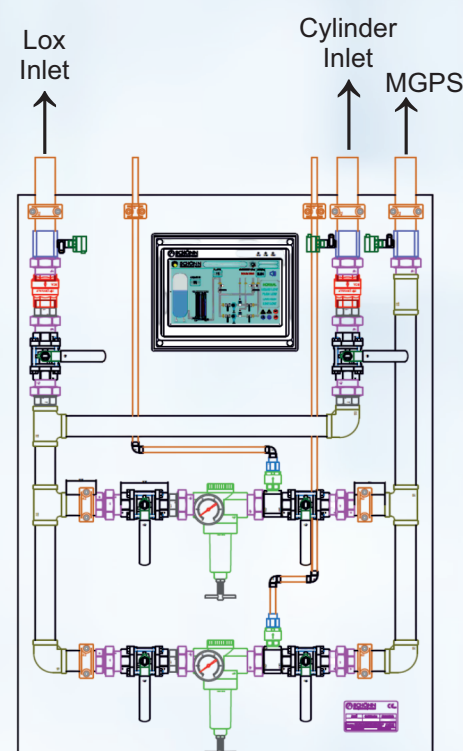
LOX CONTROL PANEL

FEATURES

- Regulates the supply pressure of gaseous oxygen from a liquid oxygen tank and a standby cylinder manifold, and distributes the gas to the pipeline system.
- Panel comprises of two or more pressure regulators, pressure relief valves, isolation valves, pressure gauges.
- To ensure continuous pressure monitoring and alarm generation, the LOX control panel is equipped with pressure sensors at both the input and output.
- The design flow rate of the panel is maintained with one pressure regulator isolated. This ensures that maintenance can be performed on any one regulator without compromising continuity of the supply.
- All mechanical connections are provided with copper pipe stubs to enable installation utilising the fluxless brazing technique.
- The pressure switches should be connected to a plant to alarm interface unit (available separately) for local alarm indication and this should also be connected to the central alarm system.
- Meets the requirements of HTM 02-01 and EN ISO 7396-1

Integrated Control & Alarm Functions

- Integrated touchscreen control panel for real-time system monitoring.
- Liquid oxygen tank level monitoring (%) with adjustable low-level alarm.
- Factory default LOW LIQUID alarm set at 30%, adjustable via system settings.
- PLOX pressure monitoring with alarm activation when pressure drops below 7 bar.
- Pipeline line pressure monitoring with configurable alarm thresholds:
 - Low Line Pressure alarm below 3.20 bar
 - High Line Pressure alarm above 4.80 bar
- Emergency supply mode enabling manual feeding of the system from the manifold in emergency conditions.
- Visual and audible alarm indication for all fault conditions.
- Pressure switches can be connected to a plant-to-alarm interface unit (optional) for local alarm indication and integration with the central alarm system.
- Multi-language user interface with support for up to three languages (default: German and English)



*MGPS: Medical Gas Pipeline System

Technical Drawing

Flow Rate	Regulator Size	Inlet/Outlet Valve Size	Pipe Diameter(Ø)
200 m ³ /h	½"	¾"	Ø28 mm
350 m ³ /h	1"	1"	Ø35 mm
500 m ³ /h	1¼"	1¼"	Ø42 mm