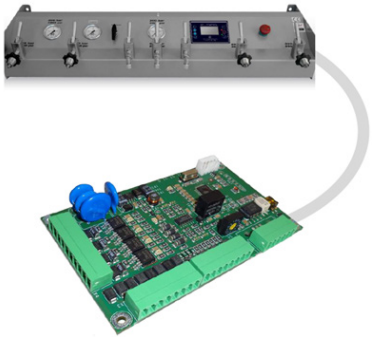
KNESTEL
TECHNOLOGIE & ELEKTRONIK

we invent solutions

Control of a filling station for filling breathing gas cylinders



for propulsion technology, mechanical engineering

Technology fields

MCR technology, propulsion technology

Project requirements

The **project obejective** was the development of a control for a filling station in which several gas cylinders can be filled and monitored in parallel. It is amongst other things also measured at each filling point of the pressure and temperature. The module can serve four filling stations, each of which can be switched to a valve. By connecting additional modules via CAN-BUS, larger filling stations can also be controlled.

Facts/Highlights

- Up to 16 boards can be networked, i.e. up to 64 filling stations can be controlled
- Controled and updated via isolated CAN bus
- 24 V outputs with reverse polarity protection and short circuit protection

Services of KNESTEL

Potential analysis, target price estimation, project management, specifications, project planning, development of software and hardware, electrical and mechanical design, EMC test, prototyping, series production

Possible Applications

Bottled gas bottling for a wide variety of applications, such as

- Technical gases/industrial gases
- Food gases
- Medical gases
- Pharmaceutical gases
- Refrigerant

About KNESTEL: Knestel has been developing and producing customized electronic and mechatronic special solutions in the fields of motor and machine control, frequency converters, image processing, MCR technology, software development, radio, bus systems and gas analysis for 40 years.
We support our customers from the idea to the finished implementation. Individual solutions and concepts - technically up to date. Our production - electronics manufacturing, device and switch cabinet construction, Production of subassemblies, assembly and mechanical processing - is equipped with the latest technology.

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