Pioneers of Flow.

bürkert
FLUID CONTROL SYSTEMS

Modular vessel pressure controller **Type 8880**

How do you ensure reliable and hygienic pressure control in modern tank processes – even under changing process conditions?

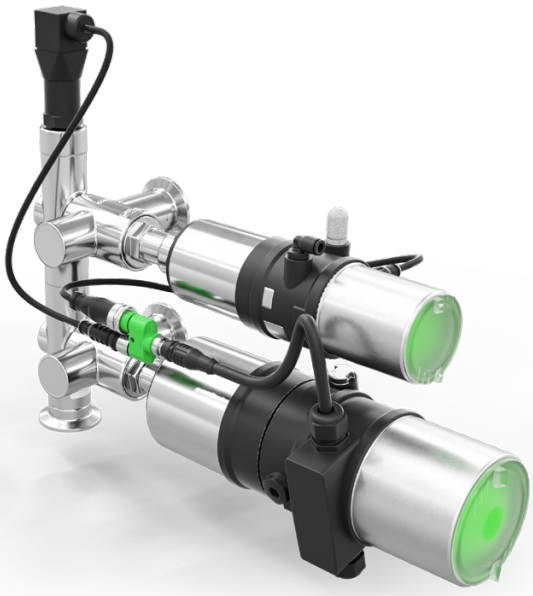
The Type 8880 vessel pressure controller combines measurement, closed-loop control and valve technology in a hygienic, modular platform. It is suitable for the food and beverage industry, pharmaceutical and biotech industry, new food products, OEMs as well as tank manufacturers and can be integrated into existing plants or used as a new configuration – for high repeat accuracy and process reliability.
With various hygiene variants, including CIP- and SIP-capable, self-draining or electropolished variants as well as dead-space-reduced designs with FDA, EC 1935 and USP Class VI conformity, Bürkert offers the right solution for your individual requirements.

Pressure stabilisation. Rapid response to pressure changes in the process – for stable conditions during filling, fermentation and gassing.

Reduced maintenance. Low maintenance requirements and long service life, whereas conventional diaphragm pressure controllers often have to be replaced.

Easy to integrate. Compact, modular, ordered in just a few simple steps – for new plants or retrofitting in existing systems.

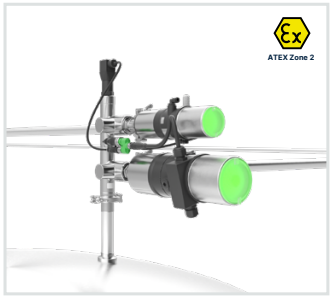
Reduced complexity. Standardised components are configured into a bespoke solution – tailored to the application and media, without the need for custom-made designs for each tank.



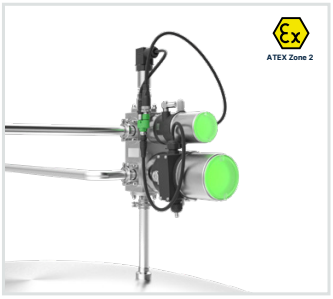
Consistent, reproducible pressure control for closed processes

The Type 8880 ensures consistent, reproducible pressure control and offers flexible configuration variants while maintaining the same basic concept. You can choose between inline or tank installation, tailored to your hygiene requirements and plant design.

Solenoid valve solution (8880-PS)
– quick attachment via clamp connection, for direct mounting on new or existing vessels.



Welding solution (8880-PW)
– attachment via tank nozzle, for processes with stricter pressure and temperature requirements.

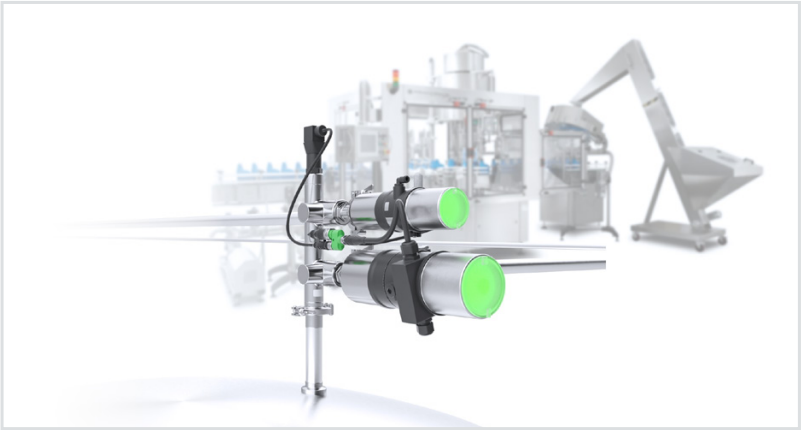


Block solution (8880-PB)
– attachment via tank nozzle, for aseptic processes with strict cleanability and material quality requirements.

Block solution (8880-PT)
– integration into the vessel cover, for aseptic processes with extremely strict cleanability and material quality requirements.

Key technical data

- DN 1.5–100 (kvs 0.05–140 m^3/h)
- Sealing: PTFE, PEEK, etc.
- Materials: CF3M, 1.4435, 1.4410, etc.
- Connections: clamp, welded connection, thread, flange, etc.
- Temperature: –40–230°C
- Pressure: 1–40 bar
- Media: N_2, O_2, CO_2, air, etc.
- Electrical: 4–20 mA, PROFINET, EtherNet/IP, Modbus TCP, EtherCAT, CC-Link IE Field Basic, OPC UA
- ATEX Zone 2



Application example:
WEIGHTPACK – industrial packaging machine

Direct nitrogen gas injection during filling, gas dosing specified in the production recipe, safe and low-maintenance storage, effective oxygen reduction, significantly longer shelf life for fatty oils.

Configure the Type 8880 according to your requirements via our Product Enquiry Form (PEF).

On our product page for the Type 8880, you will find all product variants and configurations for your process.
https://pr.burkert.com/?t=8880

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