

# Bundle battery system

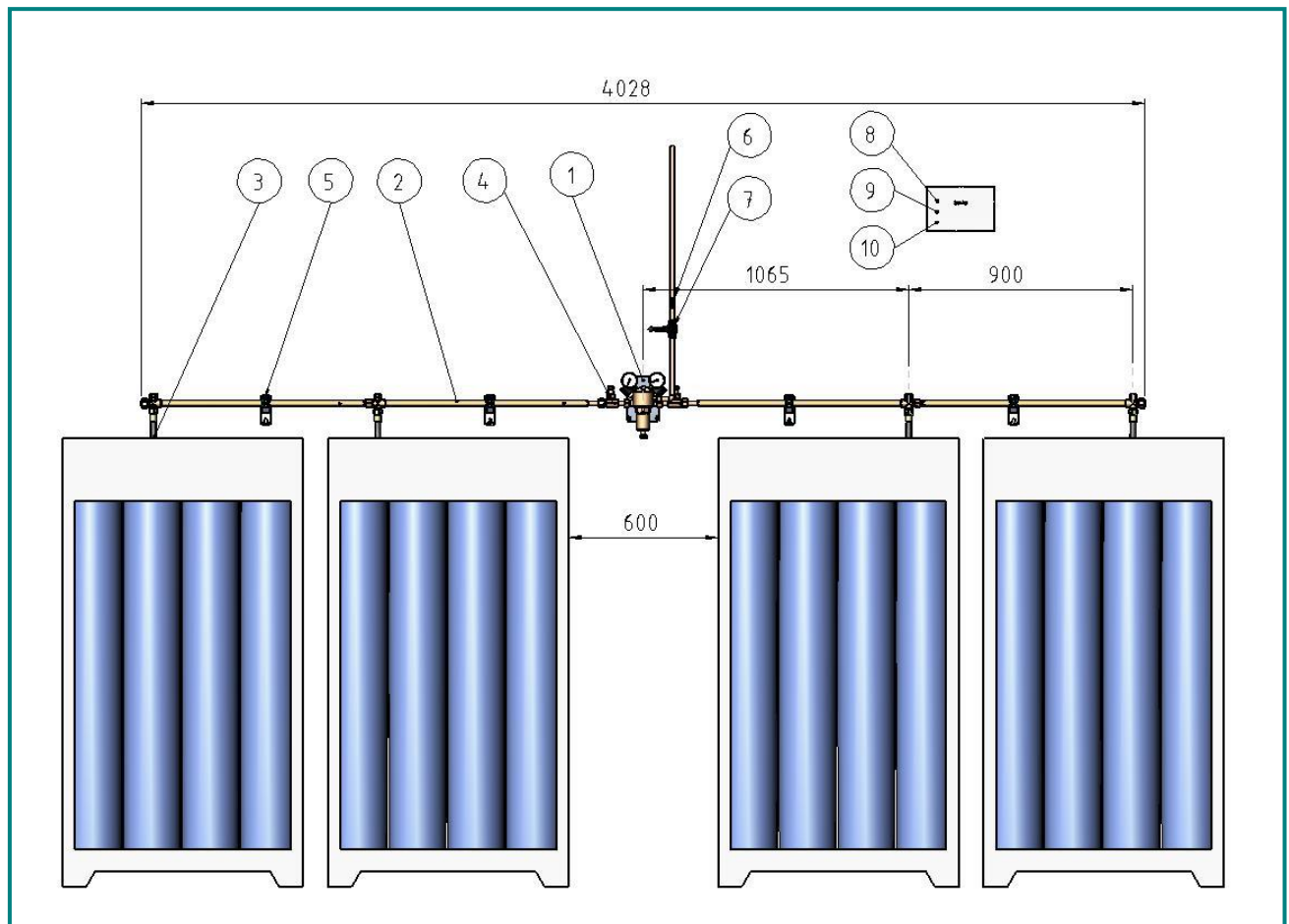


Figure 1: example system with 2 x 2-x manifold

No.	Name
1	Gas supply station
2	Manifold with non-return valve
3	Connection hose
4	Pressure release valve
5	Mounting bracket
6	Flow arrow
7	Ball valve
8	Sign for Oxygen systems
9	Sign for flammable gases
10	Sign "operating instructions for bundle battery systems"

## Description:

Our bundle battery systems for compressed gases are a modular system and designed for the individual configuration.

The integrated non-return valve insures safety and prevents transfilling.

## Technical details:

Exact details and sizes of components can be found in the following data sheets:  
 "High pressure manifold with non-return valve"  
 "Gas supply station ZD60 / ZD15 / ZD400"  
 "High pressure connections HSR".

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**Choice of gas supply station:****Gas types:**

- ZD 60 Station - to Q=110 Nm<sup>3</sup>/h [Air] - non-flammable gases
- ZD 150 Station - to Q=180 Nm<sup>3</sup>/h [Air] - flammable gases
- ZD 400 Station - to Q=340 Nm<sup>3</sup>/h [Air] - Oxygen

Technical description of the stations  
on separate data sheets

Cylinder bundles not included

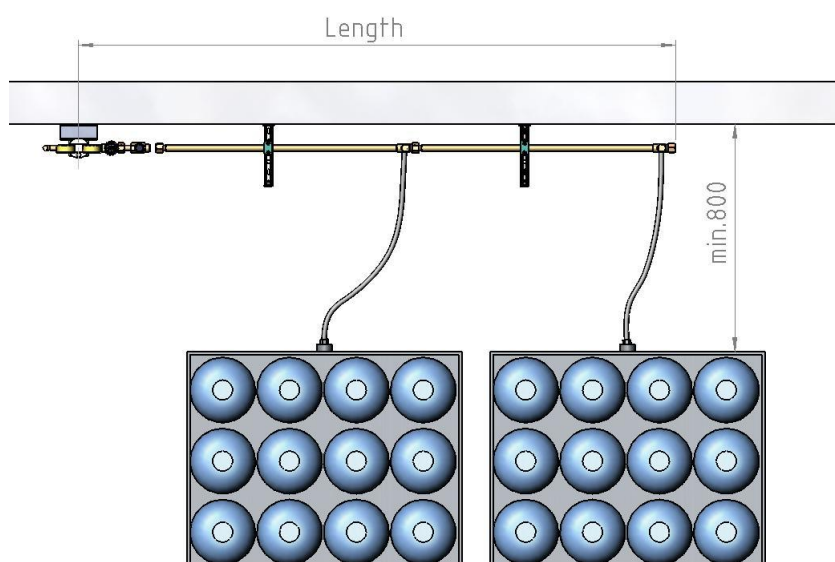


Figure 2: example system with 1 x 2-x manifold

**Size table single sided systems:**

Connections	1x1	1x2	1x3	1x4	1x5	1x6
Length (mm)	1200	2100	3000	3900	4800	5700

**Size table double sided systems:**

Connections	2x1	2x2	2x3	2x4	2x5	2x6
Length (mm)	2250	4050	5850	7650	9450	11250

**Order note:**

To put together a complete bundle battery or to  
your own requirements please use our  
*“selection sheet for bundle battery  
installation”*.

**Hornung Quality standard**

The company Hornung is certified to  
**DIN EN ISO 9001 and ISO 14001:2009.**  
All single parts are manufactured, assembled and  
tested in house.  
The finished parts are therefore under the criteria of  
our exact quality control with 100% final control.