

Bundle battery system

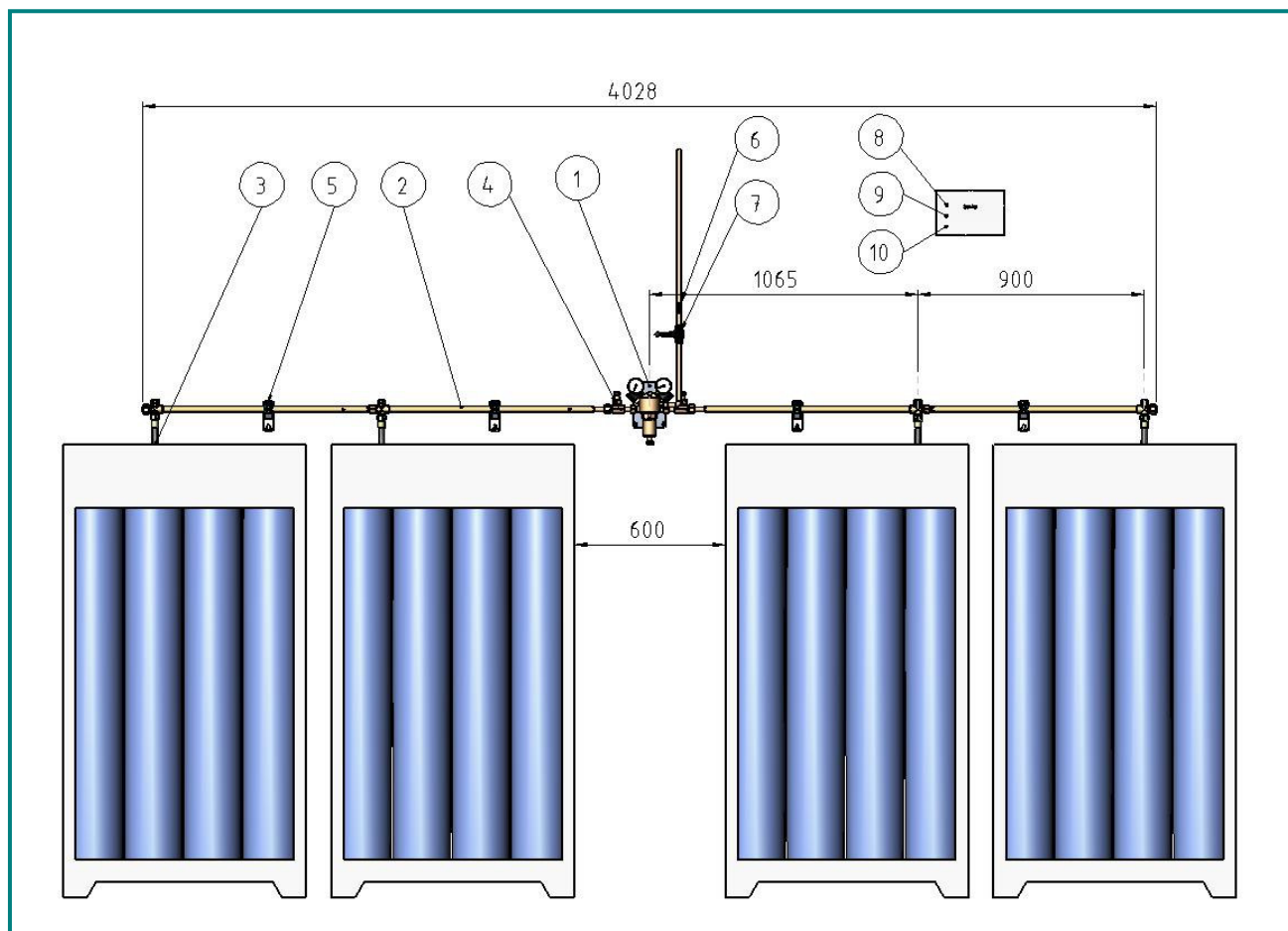


Figure 1: example system with 2 x 2-x manifold

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 Nm³/h [Air] - non-flammable gases
- ZD 150 Station - to Q=180 Nm³/h [Air] - flammable gases
- ZD 400 Station - to Q=340 Nm³/h [Air] - Oxygen

Technical description of the stations
on separate data sheets

Cylinder bundles not included

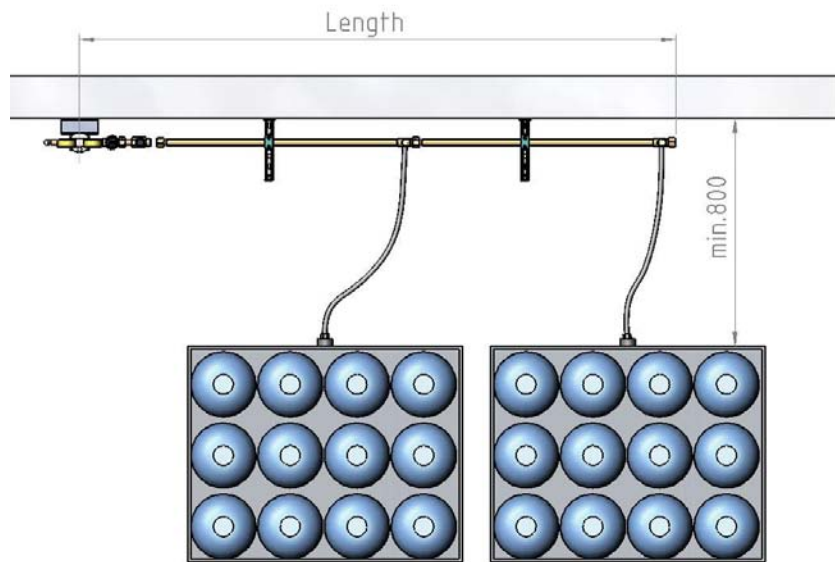


Figure 2: example system with 1 x 2-x manifold

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**

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.

Selection sheet for bundle battery installation

Basic choice: onesided or double sided installation ?
(Figure = double sided installation)

onesided	<input type="checkbox"/>
double sided	<input type="checkbox"/>

Bundle manifold Sub assy left side	
1- X	<input type="checkbox"/>
2- X	<input type="checkbox"/>
3- X	<input type="checkbox"/>
4- X	<input type="checkbox"/>
5- X	<input type="checkbox"/>
6- X	<input type="checkbox"/>

Bundle manifold Sub assy Right side	
1- X	<input type="checkbox"/>
2- X	<input type="checkbox"/>
3- X	<input type="checkbox"/>
4- X	<input type="checkbox"/>
5- X	<input type="checkbox"/>
6- X	<input type="checkbox"/>

Your requirements:	
Gas type:	<input type="text"/>
Outlet pressure [bar]:	<input type="text"/>
Required Q-capacity [m ³ /h]:	<input type="text"/>

Specification of the high pressure connection (selection from data sheet "high pressure connections HSR")	
Plastic hose HSR	<input type="checkbox"/>
Metal corrugated hose HSR	<input type="checkbox"/>

Sign	Sign "Oxygen" <input type="checkbox"/>
	Sign "Flammable gases" <input type="checkbox"/>
	Sign "Operating Instructions" <input type="checkbox"/>

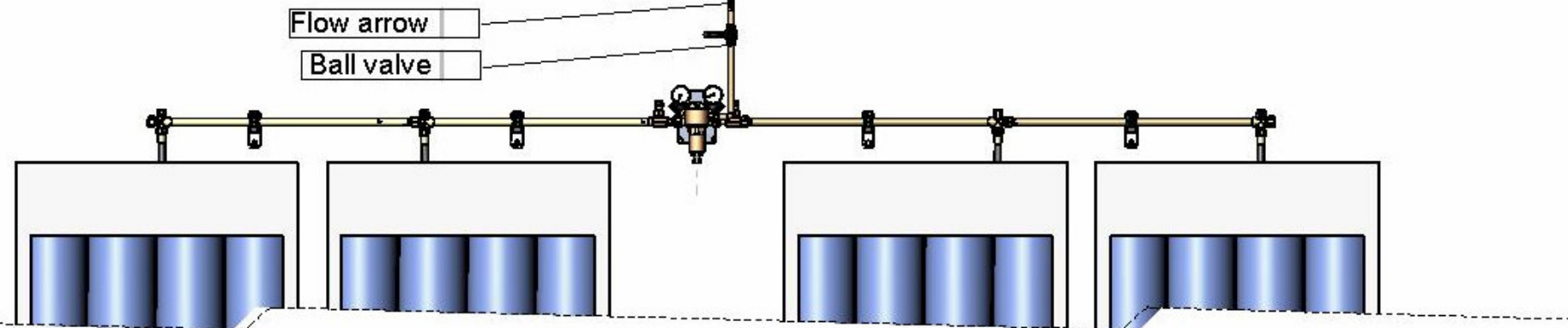


Figure: Example Installation: 2 x 2 -x

With this selection sheet you have the possibility to put together a cylinder battery installation according to your own requirements. Detailed descriptions and technical details can be obtained from the data sheet "Bundle battery installation". For the required option please put a cross or relevant data in the corresponding box.