

# Cylinder battery system

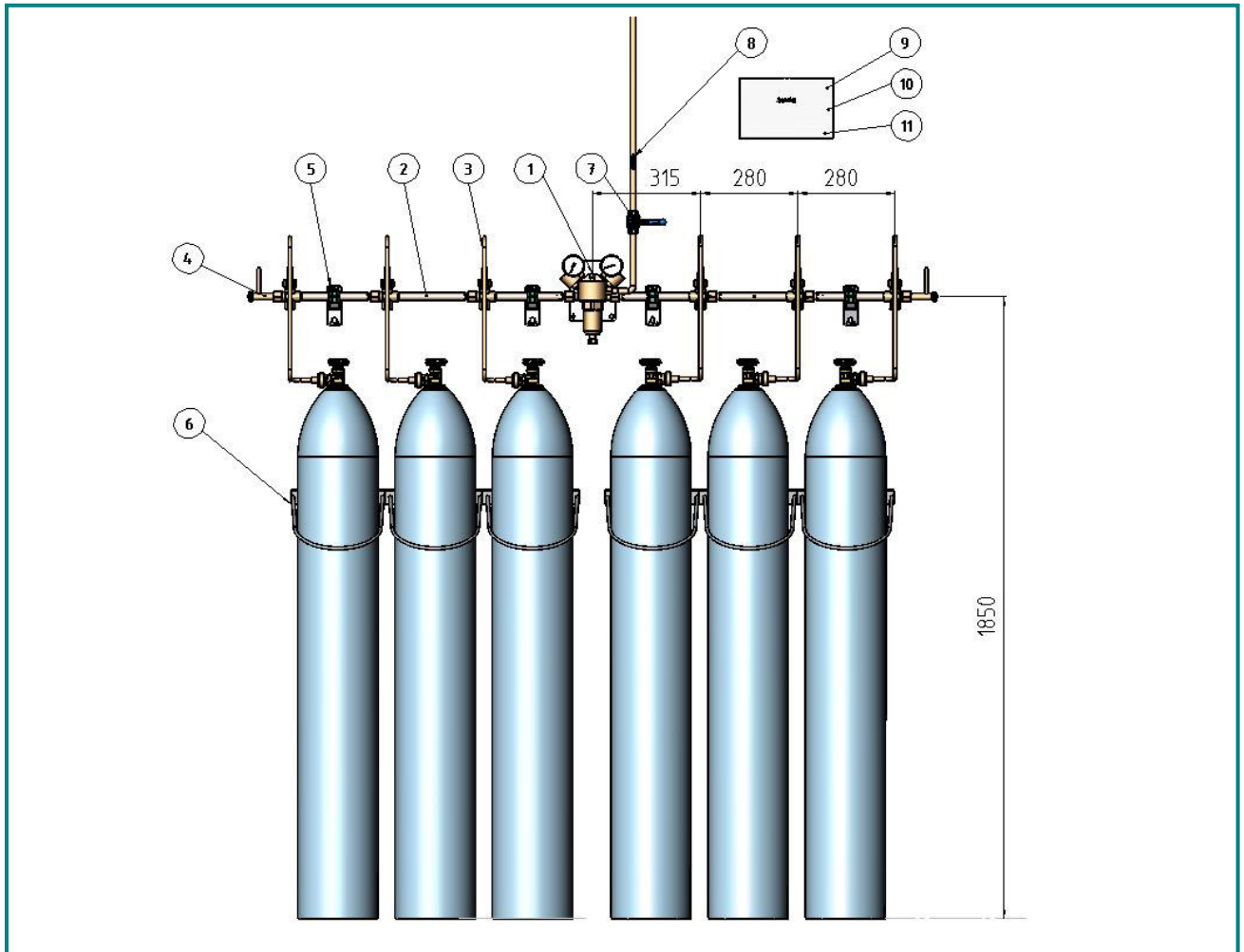


Figure 1: example system with 2 x 3-x manifold

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

## Description:

Our cylinder 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"

**Choice of gas supply station:**

- 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

**Gas types:**

Cylinder battery not included

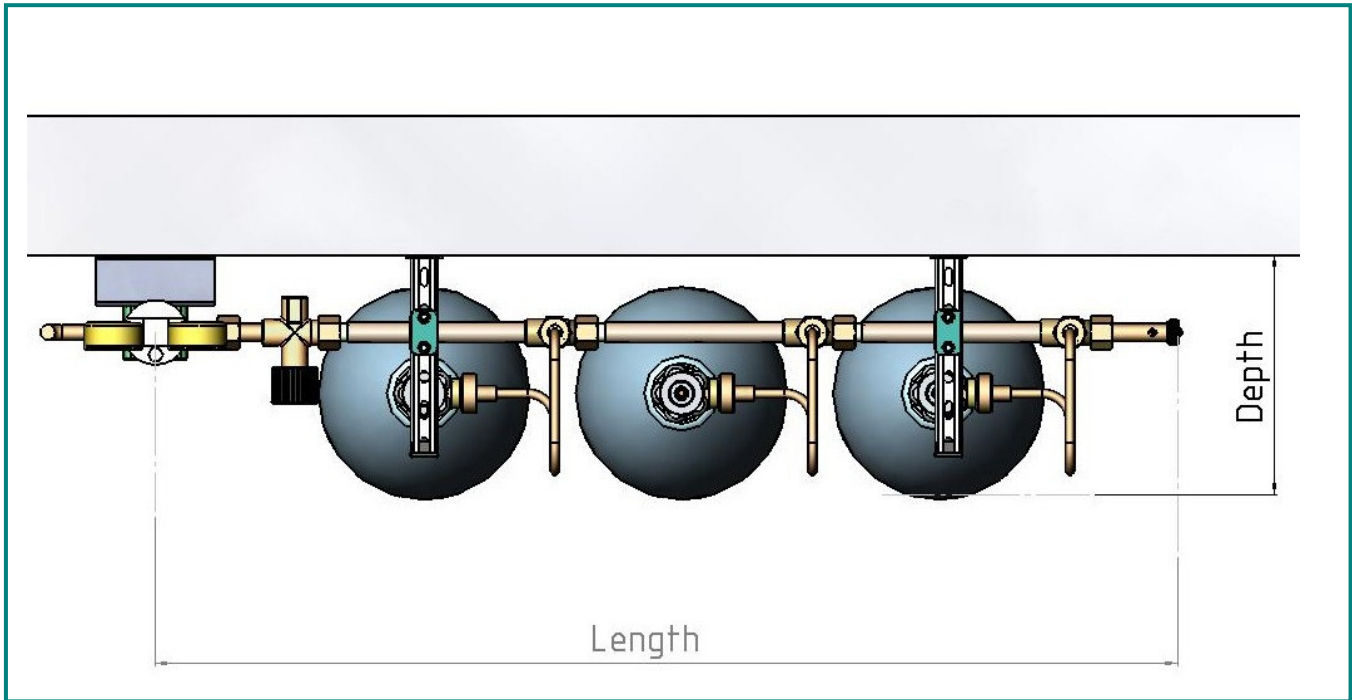


Figure 2: example system with 1 x 3-x manifold

Size tables single sided systems:

Connections	1x1	1x2	1x3	1x4	1x5	1x6
Length (mm)	550	830	1110	1390	1670	1950
Depth (mm)	280	280	280	280	280	280

Size tables double sided systems:

Connections	2x1	2x2	2x3	2x4	2x5	2x6
Length (mm)	860	1420	1980	2540	3100	3660
Depth (mm)	280	280	280	280	280	280

**Order note:**

**To put together a complete cylinder battery or to your own requirements please use our "selection sheet for cylinder 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 cylinder battery installation

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

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

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

Cylinder 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"/>

Cylinder 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"/>

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

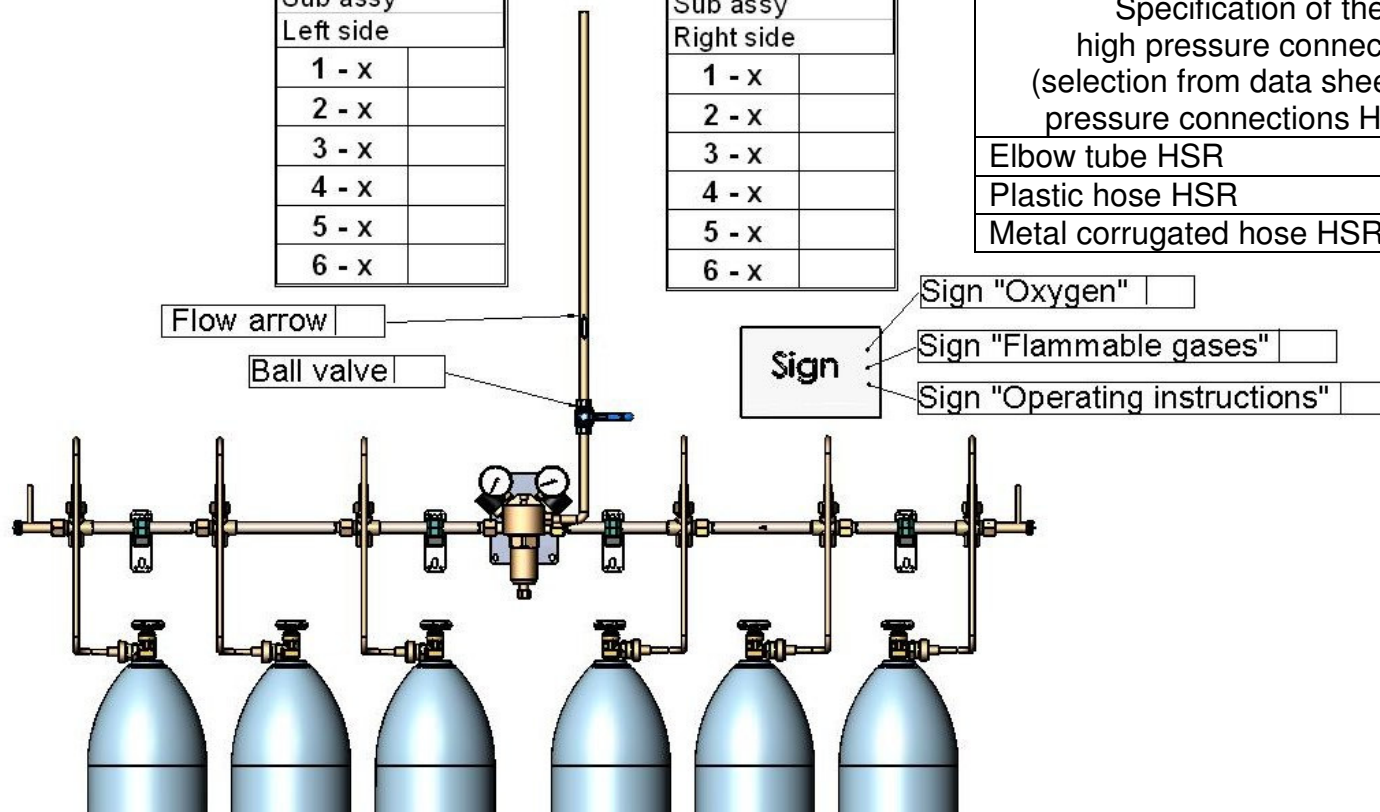


Figure: Example Installation: 2 x 3 -x

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 "Cylinder battery installation". For the required option please put a cross or relevant data in the corresponding box.