

Accumulators Stations



1. GENERAL

HYDAC supplies fully assembled piston accumulator stations which are ready for operation, complete with all the necessary valve controls, ball valves and safety equipment

- as an individual accumulator unit or
- in a back-up version with nitrogen bottles to increase the effective volume.

By integrating individual HYDAC components, the HYDAC system approach produces HYDAC systems, for example, bladder or piston accumulator stations.

An accumulator station can be composed of

- Piston accumulators with nitrogen bottles,
- Bladder accumulators with nitrogen bottles or
- Nitrogen bottles alone.

The modular construction of the accumulator stations enables HYDAC to incorporate all customer requirements. HYDAC can calculate the required accumulator volume using the accumulator sizing program, taking the customer's own operating data into account:

- **ASP** – Accumulator Simulation Program.

2. MODEL CODE

(also order example)

SS 350 K - 4 x 250 / 12 x 320 (U)

Accumulator type _____
SS = accumulator station

Max. operating pressure [bar] _____

Type _____
K = piston accumulator
B = bladder accumulator
N = nitrogen bottles

Number of accumulators _____

Nominal volume [l] of the accumulators _____

Number of nitrogen bottles _____

Nominal volume [l] of the nitrogen bottles _____

Certification code _____

Piston accumulators and nitrogen bottles are connected up via a manifold block or pipework

3. EXAMPLES OF ACCUMULATOR STATIONS

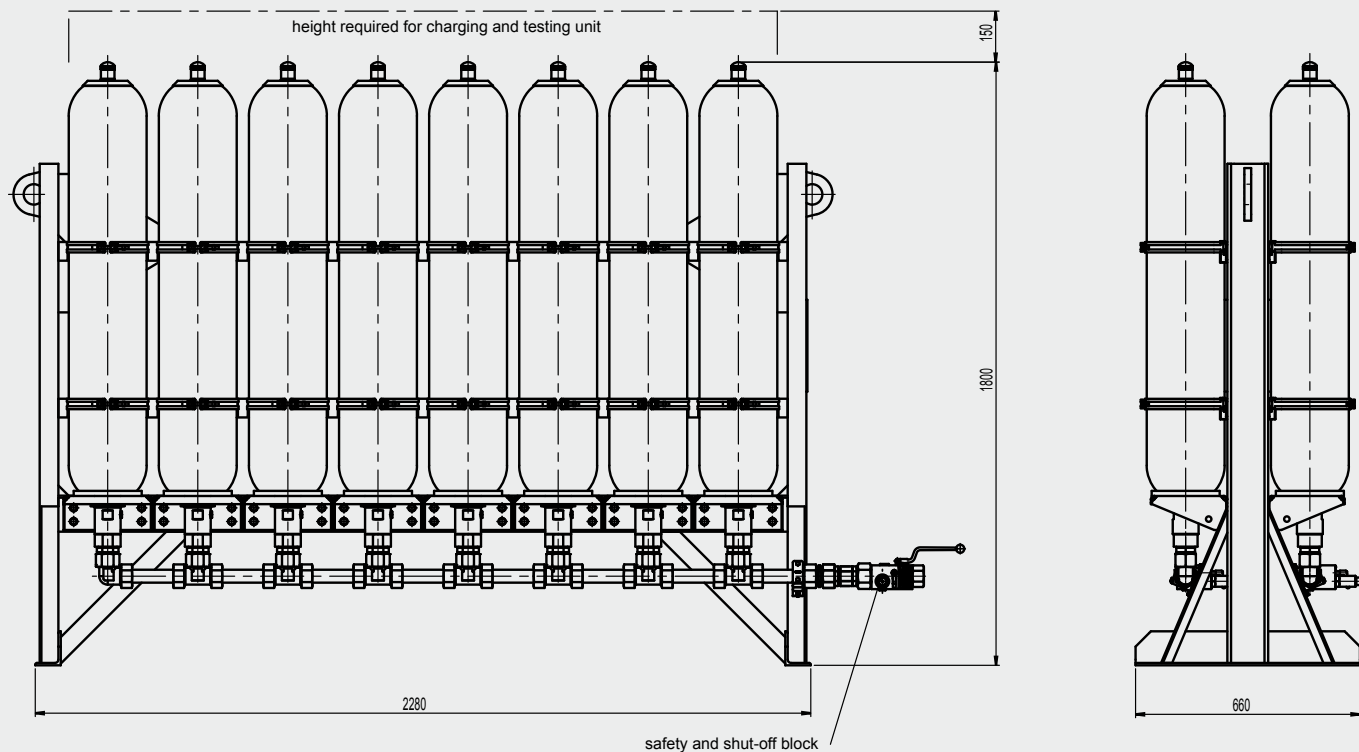
3.1. BLADDER ACCUMULATOR STATIONS

EXAMPLE: SS330B-16x32(U)

Technical specifications:

16 bladder accumulators, each with a volume of 32 l

Max. operating pressure: 330 bar

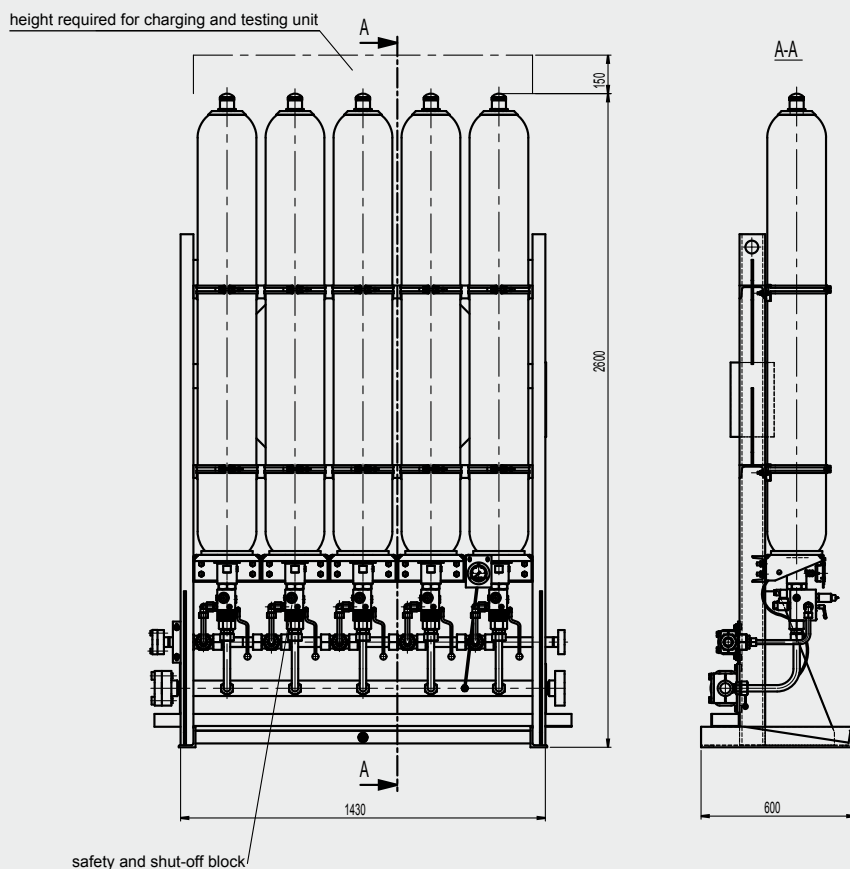


EXAMPLE: SS330B-5x50(U)

Technical specifications:

5 bladder accumulators, each with a volume of 50 l

Max. operating pressure: 330 bar



3.2. PISTON ACCUMULATOR STATIONS

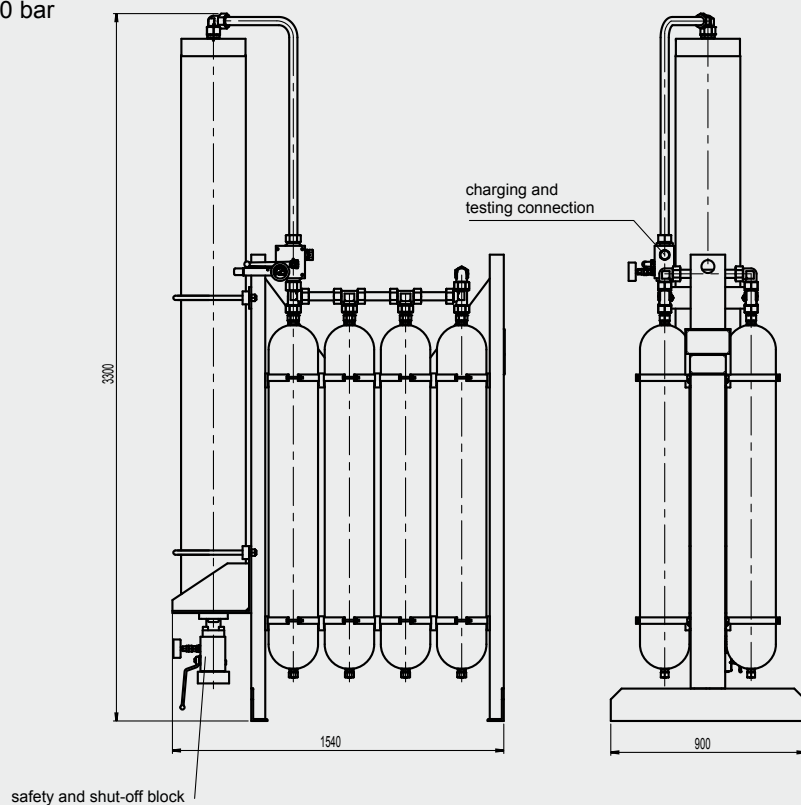
EXAMPLE: SS350K-1x110/8x50(U)

Technical specifications:

1 piston accumulator, volume 110 l

8 N₂ bottles, each with a volume of 50 l

Max. operating pressure: 350 bar



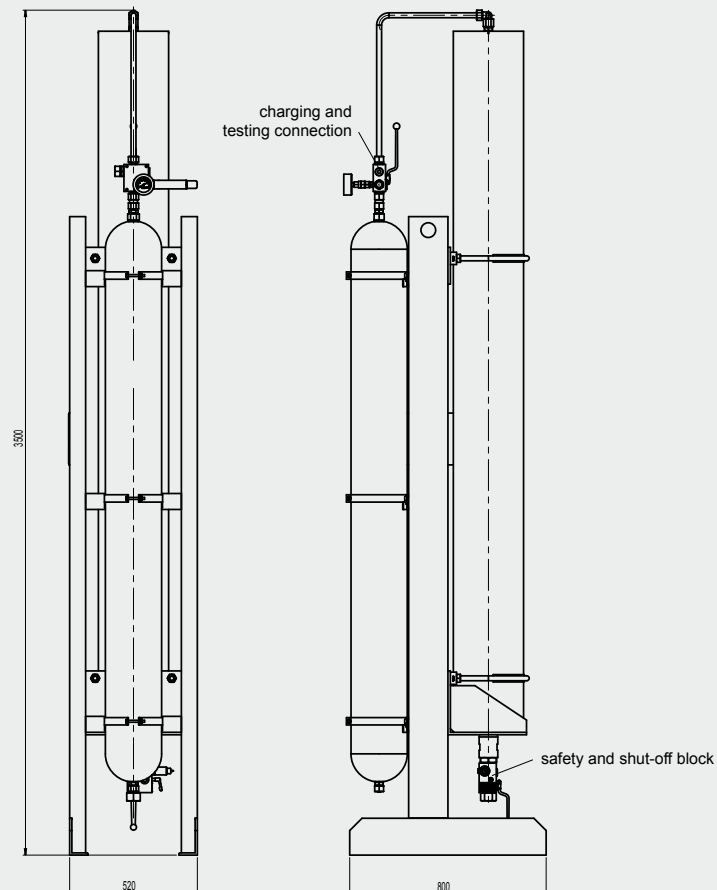
EXAMPLE: SS220K-1x120/1x75(U)

Technical specifications:

1 piston accumulator, volume 120 l

1 N₂ bottle, volume 75 l

Max. operating pressure: 220 bar



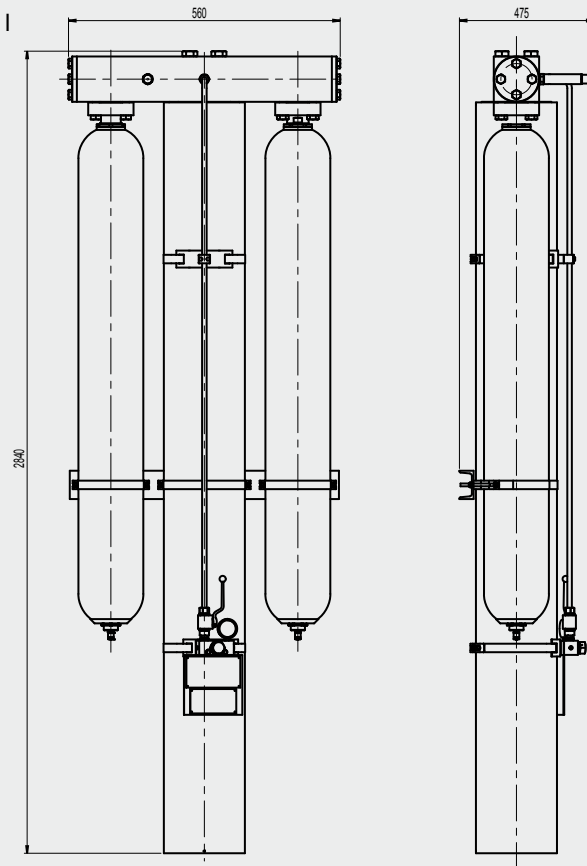
EXAMPLE: SS210K-1x110/2x50(U)

Technical specifications:

1 piston accumulator, volume 110 l

2 N₂ bottles, each with a volume of 50 l

Max. operating pressure: 210 bar



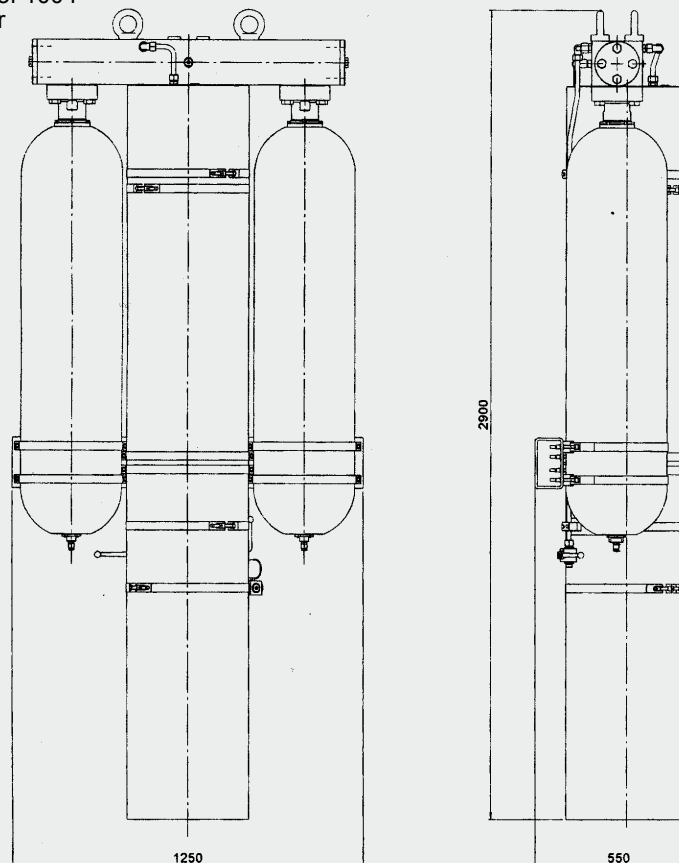
EXAMPLE: SS350K-1x200/2x100(A9)

Technical specifications:

1 piston accumulator, volume 200 l

2 N₂ bottles, each with a volume of 100 l

Max. operating pressure: 350 bar



3.3. NITROGEN BOTTLES

Nitrogen bottles in modular construction:

up to 24 bottles can be assembled in this version on a frame. For a larger number, a special model can be supplied.

See catalogue section:

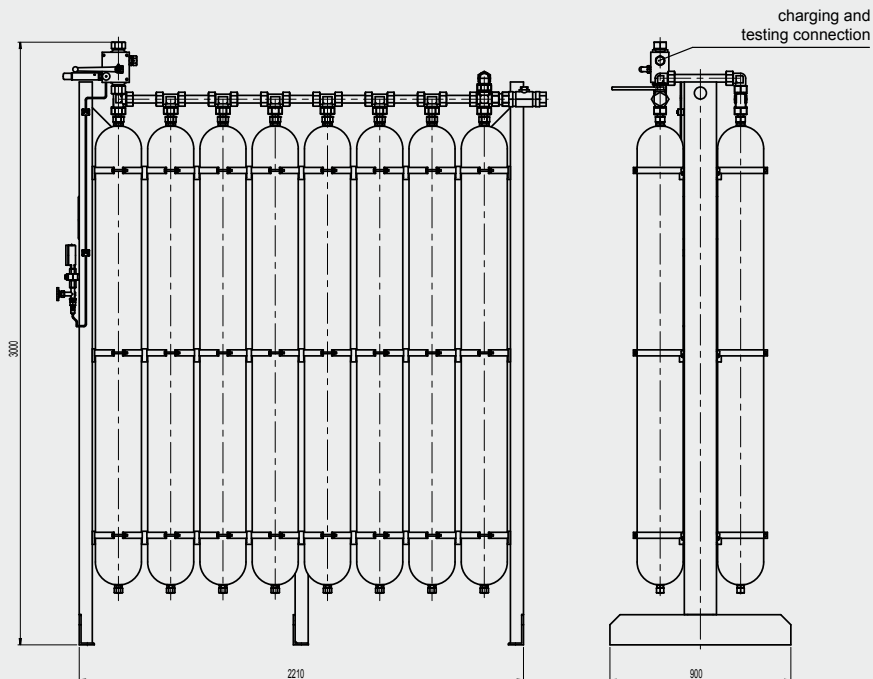
- Hydraulic accumulators with back-up nitrogen bottles
No. 3.553

EXAMPLE: SS350N-16x75(U)

Technical specifications:

16 N₂ bottles, each with a volume of 75 l

Max. operating pressure: 350 bar



4. NOTE

The information in this brochure relates to the operating conditions and applications described.

For applications and operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.

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