Accumulator 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.

The HYDAC system approach creates a HYDAC system of, for example, bladder or piston accumulator stations, by integrating individual HYDAC components.

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** – **A**ccumulator **S**imulation **P**rogram.

Please read the relevant operating manual for the individual HYDAC components!

2. MODEL CODE

(also order example)

SS 350 K – 4 x 250 / 12 x 320 (U)

Type of accumulator
SS = accumulator station

Max. operating pressure [bar]

Series
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
(U) = European Pressure Equipment Directive (PED)

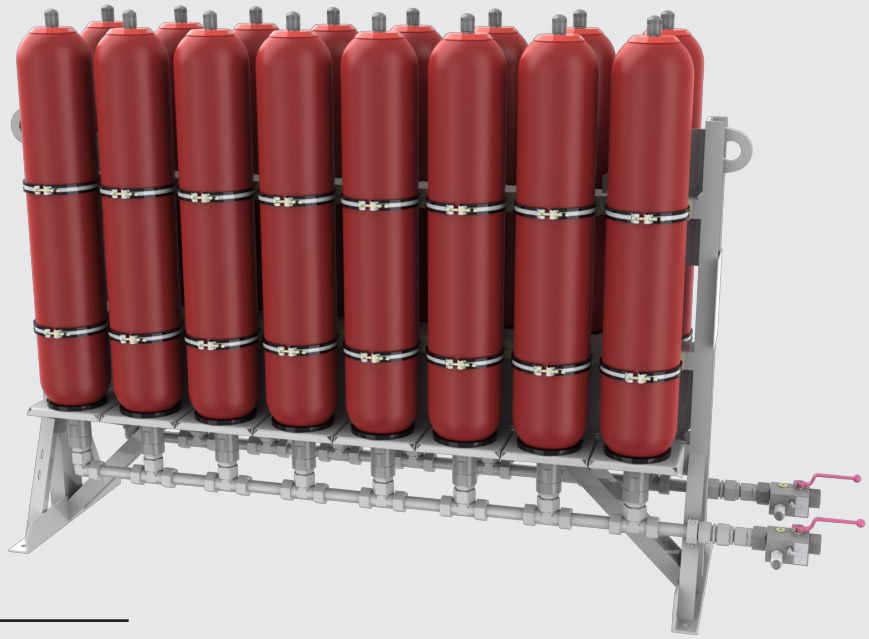
Piston accumulators and nitrogen bottles are connected up via a manifold block or pipework

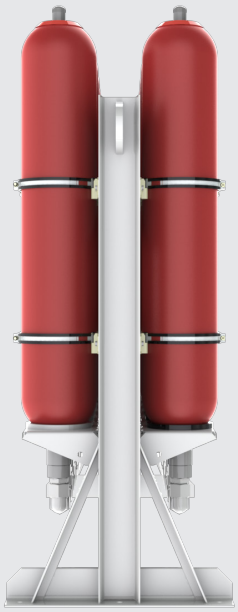
3. EXAMPLES OF ACCUMULATOR STATIONS

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

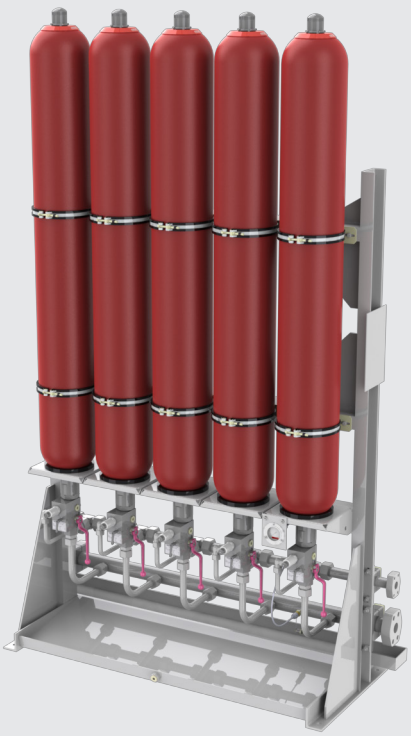




Dimensions		
Length [mm]	Width [mm]	Height [mm]
2780	660	1950

EXAMPLE: SS330B-5x50(U)

Technical specifications:
5 bladder accumulators, each with a volume of 50 l
max. operating pressure: 330 bar



Dimensions		
Length [mm]	Width [mm]	Height [mm]
1640	600	2750

3.2. PISTON ACCUMULATOR STATIONS

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

Technical data:
1 piston accumulator, volume 110 l
8 N_2-bottles, each with a volume of 50 l
max. operating pressure: 350 bar

Dimensions		
Length [mm]	Width [mm]	Height [mm]
1540	900	3300

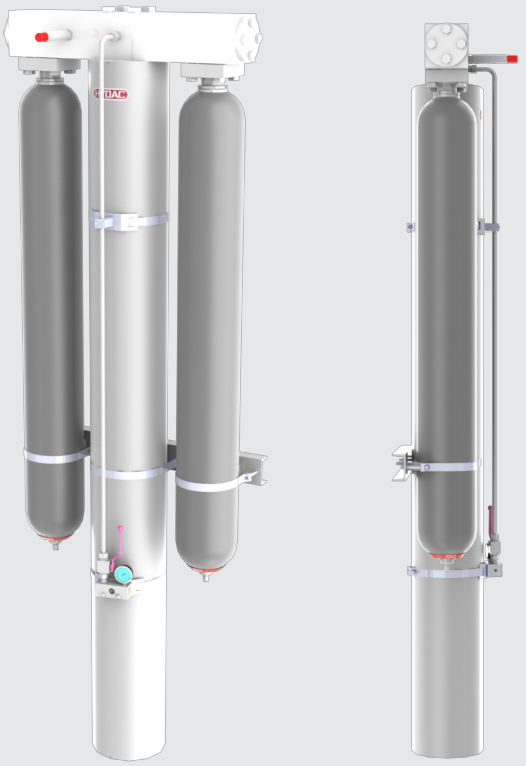
EXAMPLE: SS220K-1x120/1x75(U)

Technical data:
1 piston accumulator, volume 120 l
1 N_2-bottle, volume 75 l
max. operating pressure: 220 bar

Dimensions		
Length [mm]	Width [mm]	Height [mm]
520	800	3500

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

Technical data:
1 piston accumulator, volume 110 l
2 N_2-bottles, each with a volume of 50 l
max. operating pressure: 210 bar



Dimensions		
Length [mm]	Width [mm]	Height [mm]
950	475	2840

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

Technical data:
1 piston accumulator, volume 200 l
2 N_2-bottles, each with a volume of 110 l
max. operating pressure: 350 bar

Dimensions		
Length [mm]	Width [mm]	Height [mm]
1250	550	2900

3.3. NITROGEN BOTTLES

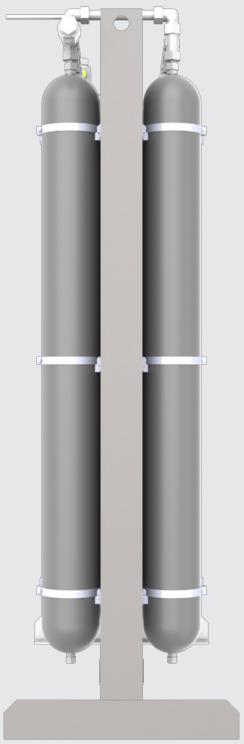
Nitrogen bottles in modular construction:
up to 24 bottles can be assembled in this version on a frame. For a larger number, a special model can be supplied.

See catalogue section:

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

Example: SS350N-16x75(U)

Technical data:
16 N_2-bottles, each with a volume of 75 l
max. operating pressure: 350 bar



Dimensions		
Length [mm]	Width [mm]	Height [mm]
2440	900	3000

4. NOTE

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

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

Subject to technical modifications.

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