Bladder accumulator station
SBS.330

Description

The bladder accumulator stations are designed with a modular concept and thus provide the option of holding up to 10 bladder accumulators in both the 1-row and the 2-row design.

They have the following advantages:

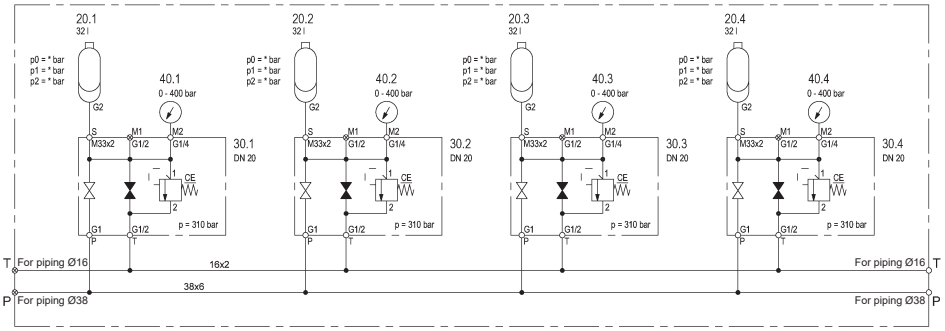
- Increasing the energy efficiency of the hydraulic system
  - Pumps can be set to intermittent operation (accumulator charging function)
  - Downsizing of the motor-pump group, as power peaks are covered by accumulator
- Storage of energy so that safety functions can still be realised even in the case of electric power failure

Technical data

General data	
Operating pressure	Depending on certification 315 / 262 / 210 bar
Piping on oil side	P-line - 38S / T-line - 16S
Screw joint system	WALFORM*plus*©
Ambient temperature	-10 °C to 70 °C

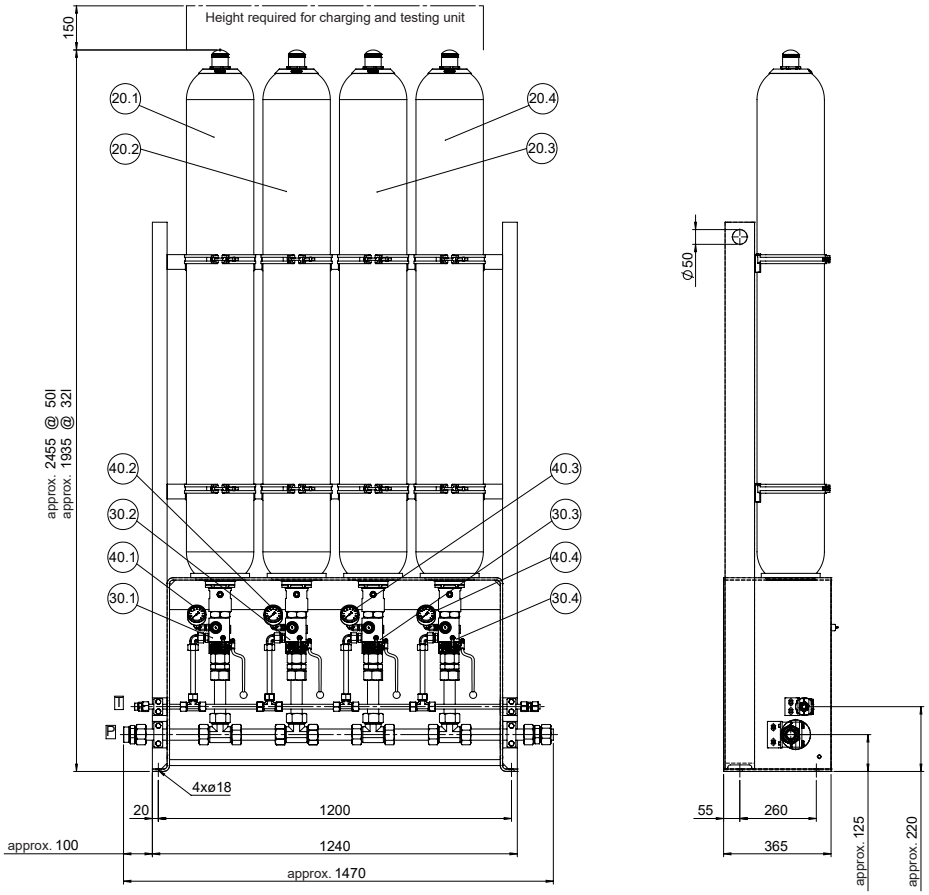
Hydraulic circuit

Example of an SBS.330 with four bladder accumulators



DIMENSIONS

Example of an SBS.330 with four bladder accumulators



20 – Bladder accumulator	**40** – Pressure gauge
30 – Safety and shut-off block	

Model code

SBS . 330 - 01 x 50 - U - 1 - 0 - S0 - C - C3 - N - 315 - P0

Product
SBS = bladder accumulator station

Nominal pressure of bladder accumulator [bar]
330 = 330 bar nominal pressure

Number of bladder accumulators
1 = 1 accumulator
… = …
10 = 10 accumulators

Nominal volume of bladder accumulator [l]
32 = 32 litres
50 = 50 litres

Certification code
U = Europe (PED)
S = USA (ASME)
P = Japan (KHK)
A6 = Russia
A9 = China
A11 = Republic of Korea (KGS)
Certification codes for countries not listed on request

Frame version
1 = 1-row
2 = 2-row

Accumulator monitoring
0 = none
B = BIS sensor

Block version, oil side
S0 = a common size-20 SAF block
S1 = one size-20 SAF block per accumulator
S2 = a common size-20 SAF block with additional electric release valve in the P-line

Design of the piping
C = carbon steel
S = stainless steel

Coating
C3 = coating thickness 160-200 µm -> suitable for indoor set-up
C4 = coating thickness 200-240 µm -> suitable for outdoor set-up
C5 = coating thickness 240-280 µm -> suitable for outdoor set-up

Seal and bladder material
N = NBR
Other seal and bladder materials on request

Max. permitted operating pressure [bar]
315 = for approval U, A6, A9, A11
262 = for approval S
210 = for approval P

Other
= none
P0 = p_0 sensor (EDS 3446-F31)
P1 = pressure transmitter, oil side (EDS 3446-3)

Note

The technical data provided here refers to the standard version of a bladder accumulator station. Customer-specific requirements can also be implemented following a review.

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

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

Subject to technical modifications.

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