

2.1.11 Certificate codes

Hydraulic accumulators which are installed in countries outside Germany are supplied with the test certificates required in that country. The user country must be stated at the time of ordering.

HYDAC pressure vessels can be supplied with virtually any test certificate.

Please note that the permitted operating pressure can differ from the nominal pressure.

The following table contains a few examples of the codes used in the model code for different countries of installation:

Country	Certificate code (CC)
EU member states	U
Australia	F ¹⁾
Belarus	A6
Canada	S ¹⁾
China	A9
Hong Kong	A9
Iceland	U
Japan	P
Korea (Republic)	A11
New Zealand	T
Norway	U
Russia	A6
South Africa	S2
Switzerland	U
Turkey	U
Ukraine	A10
USA	S

¹⁾ Registration required in the individual territories or provinces.

Others on request

2.1.12 Notice

All work on HYDAC diaphragm accumulators must only be carried out by suitably trained staff.

Incorrect installation or handling can lead to serious accidents.

The operating instructions must be observed!

No. 3.100.BA

Detailed assembly and repair instructions are available for work which may be carried out on the diaphragm accumulator after installation and commissioning, e.g. repair work.

Further information such as accumulator dimensioning, safety information and extracts from the acceptance specifications can be found in the following catalogue section:

- HYDAC Accumulator Technology No. 3.000

Relevant PDF documents can be accessed at:

www.hydac.com » Downloads » Documents » Accumulator Division

2.2. MODEL CODE

Not all combinations are possible. Order example.
For further information, please contact HYDAC.

SBO210 - 2 E1 / 112 U - 210 AK 050

Series

Nominal volume [l]

Type

Weld type:

- E1 = rechargeable M28x1.5
- E2 = sealed gas connection, with gas pre-charge as requested ¹⁾
- E3 = rechargeable, gas valve M16x1.5 / M14x1.5

Screw type

- A6 = rechargeable M28x1.5, exchangeable diaphragm
- A3 = gas valve M16x1.5 / M14x1.5, exchangeable diaphragm

Material code

dependent on operating medium
standard design = 112 for mineral oil

Fluid port

- 1 = carbon steel
- 3 = stainless steel ²⁾
- 4 = carbon steel with protective coating ³⁾
- 6 = low-temperature steel
- 7 = other materials

Accumulator shell

- 0 = plastic coating
- 1 = carbon steel
- 2 = carbon steel with protective coating ^{3) 4)}
- 4 = stainless steel ²⁾
- 6 = low-temperature steel
- 7 = other materials or material combinations

Diaphragm

- 2 = NBR ⁵⁾
- 3 = ECO
- 4 = IIR
- 5 = NBR ⁵⁾
- 6 = FKM
- 7 = other materials (e.g. PTFE, EPDM)

Certification code

U = European Pressure Equipment Directive (PED)

Permitted operating pressure [bar]

Fluid port form

Standard connection = AK or AB

e.g. form AK = G 3/4
for SBO210-2 see section 3.

Pre-charge pressure p_0 [bar] at 20 °C, must be stated clearly, if required! ¹⁾

¹⁾ Only for E1 or E2 design, when ordered as standard

²⁾ Dependent on type and pressure level

³⁾ Only for screw type design

⁴⁾ Only for parts that come into contact with fluid

⁵⁾ Observe temperature ranges, see section 2.1.