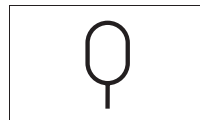


Integral Accumulator Diaphragm Accumulator D0,07-250



1. Features

Nominal volume: 0,075 l

Effective gas volume: 0,075 l

Perm. operating pressure: 250 bar

Weight: 0,62 kg

2. Material

Housing: steel

Diaphragm: Perbunan (NBR), butyl (IIR) or epichlorhydrin (ECO)

i Other diaphragm materials on enquiry

3. Operating Limits

Permissible gas filling pressure:	max. 130 bar, however limitations due to various transport regulations
Gas filling:	nitrogen (N ₂)
Hydraulic fluid: ^{a)}	hydraulic oils → Recommended Oil Types – Technical Principles from page 10.12
Max. permissible pressure ratio: ^{b)}	$\frac{\text{Abs. working pressure [bar]}}{\text{Abs. gas filling pressure [bar]}} \leq \frac{8}{1}$
Perm. Δp dynamic:	180 bar
Permissible operating temperature: ^{d)}	–10 °C to +80 °C
Installation position:	any
Filling and testing device DFM:	→ Integral Accumulator Filling Device for Diaphragm Accumulators DFM from page 9.54

a) Other fluids on enquiry

b) Other on enquiry

c)  Usage in other temperature ranges on enquiry

4. Directives

This hydro accumulator complies with the European directive on pressure equipment 97/23/EC, article 3, paragraph 3 without CE marking. The hydro accumulator must be subjected to an acceptance inspection by a specialist prior to initial commissioning.

→ European Directive on Pressure Equip. 97/23/EC (abridged information) – Technical Principles from page 10.15

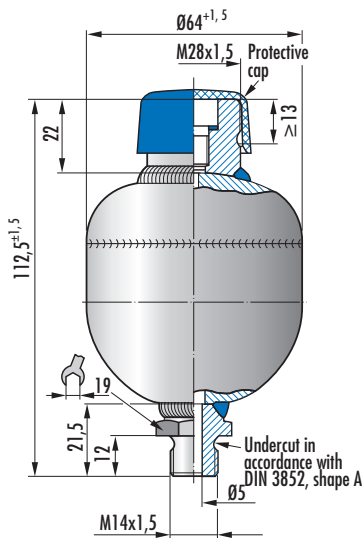
4.1 Selection, installation and operation

→ Guidelines for Selection, Installation and Operation – Technical Principles from page 10.3

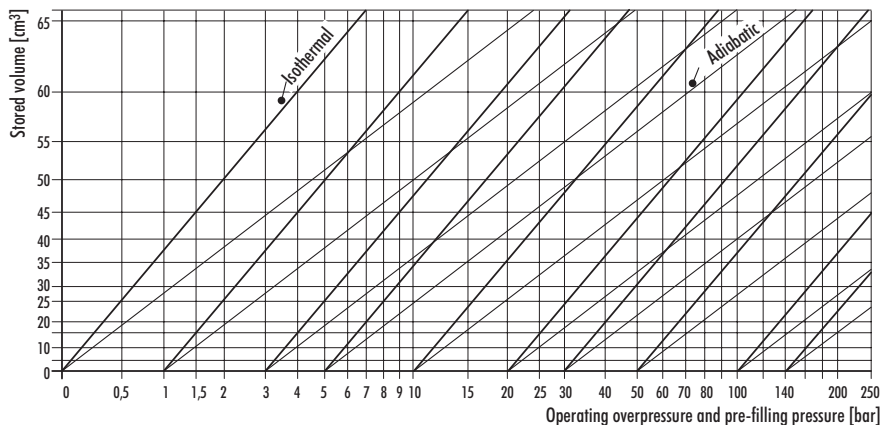
4.2 Calculation and design

→ Calculation and Design – Technical Principles from page 10.7

5. Installation Drawing



6. Pressure-Volume Characteristic Curve



7. Article List D0,07-250

D0,07-250	
Diaphragm material	Article No.
NBR	007-1315-074-611/ ^{a)}
IIR	007-1315-074-621/ ^{a)}
ECO	007-1315-074-641/ ^{a)}

^{a)} required gas filling pressure in bar

8. Ordering Example

Type	Diaphragm Material	Art. No./Gas Filling Pressure (e.g. xxx bar)
D0,07-250	ECO	007-1315-074-641/xxx