

# Spares and Accessories

## Accessories AKM 200

### Diaphragm Expansion Tank



#### Technical Data

Connection G	1/2
Nominal Pressure PN	10
Operating Pressure	0 - 10 bar
Temperature	130 °C
Medium	liquids

#### Description

The expansion tank AKM 200 is used to relieve pressure in small fluid systems. The valve prevents inadmissible pressure rises for example as a consequence of thermic expansion.

The AKM 200 is a well-priced alternative to other pressure relief equipments such as overflow valves. Pressure relief is done by compressing the gas cushion which is separated from the fluid by a diaphragm.

Once filled with gas, the standard valve functions autonomously without any auxiliary energy. For flammable liquids, inert gases such as for example nitrogen are recommended.

Another advantage of this construction is that no fluid is lost by flowing off and the regulating action is very smooth.

Top and bottom sections of the valve body are connected by a clamp ring and two bolts. Servicing/maintenance is easy and does not call for special tooling.

Attention:  
The AKM 200 does not substitute a safety valve for system protection !

#### Standard

- » body from stainless steel SST 316
- » body seal and diaphragms of FPM
- » body quick-closing device
- » manometer connection

#### Options

- » cogset instead of quick closing device
- » various diaphragm and seal materials suitable for your medium
- » manual air valve on the medium side for venting
- » connection for adjustable inert gas supply
- » special versions on request

Operating instructions, know how and safety instructions must be observed. All the pressure has always been indicated as overpressure. We reserve the right to alter technical specifications without notice.



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Diaphragm Expansion Tank



Materials	
Body	stainless steel SST 316
Body Seal	FPM
Diaphragm	FPM
Fill-up Valve	nickel-plated brass

Dimensions [mm]	
size	nominal diameter
	G 1/2
A	130
D	264 / 210

size A tolerance  $\pm 4$  mm

Weights[kg]	
nominal diameter	
	G 1/2
	4

Special designs on request.

The pressure has always been indicated as overpressure.

Mankenberg reserves the right to alter or improve the designs or specifications of the products described herein without notice.

### Dimensional Drawing

