

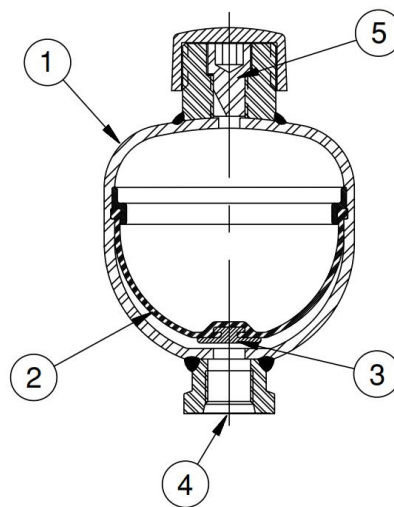
Series “MDA” Diaphragm Accumulators

- 0.075 to 3.5 Liters
- Operating Pressures to 100-450 Bar
- Material
- Dimension



Why Use Diaphragm Accumulators?

- improves system efficiency
- supplements pump flow
- supplies power in emergency
- compensates for leakage
- absorbs hydraulic shocks
- very contamination tolerant
- cost effective
- compact, lightweight
- safety, non-repairable design
- very quick response
- works well with water, low lubricity fluids



1 Shell

Shell materials are available in carbon steel and stainless steel. The non-repairable electron-beam welded construction reduces size and weight. Different dimensions can be customized according to the installation environment.

2 Diaphragm

The flexible diaphragm provides excellent gas and fluid separation. Choose different diaphragms according to different working environments.

Compound	Basic Characteristic
NBR	Suitable for most hydraulic fluids
HNBR	Low temperature resistance, wear resistance
IIR	Special for fire resistant hydraulic fluids
EPDM	Corrosion resistance
FPM	High temperature resistance

3 Button

The button closes the fluid port when the accumulator is fully discharged to prevent diaphragm extrusion. Extend the life of the accumulator.

4 Fluid Port

Fluid ports can be customized to different standards. (Carbon steel accumulators)

Common	British	G1/4 Male/Female thread	G1/2 Male/Female thread	Compound Pad
		G3/8 Male/Female thread	G3/4 Female thread	
	US	9/16-18UNF Male/Female thread	3/4-16UNF Male/Female thread	
		7/8-14UNF Male/Female thread	1 1/16-12UNF Female thread	
	Metric	M14X1.5 Male/Female thread	M18X1.5 Male/Female thread	
M16X1.5 Male/Female thread		M22X1.5 Male/Female thread		
Combination	G1/2 Female thread AND M33X1.5 Male thread		G3/4 Female thread AND M45X1.5 Male thread	
Optional	Metric (M) British (G) American Unified (UNF) American Pipe (NPT) Internal and External Double Thread (G+M, M+M, UNF+M)			O-Ring /ED-Ring

5 Gas Valve

Metric M28X1.5 gas valve is durable, leak-free and offers the flexibility of checking or charging the accumulator. Metric M14X1.5 gas valve can also be customized.