

# HDAT

## DIAPHRAGM ACCUMULATOR

ASME SECTION VIII DIV. 1

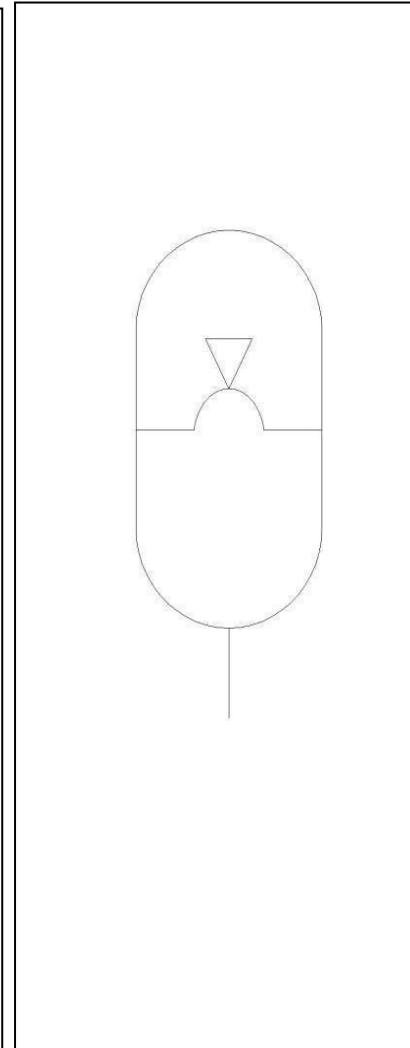
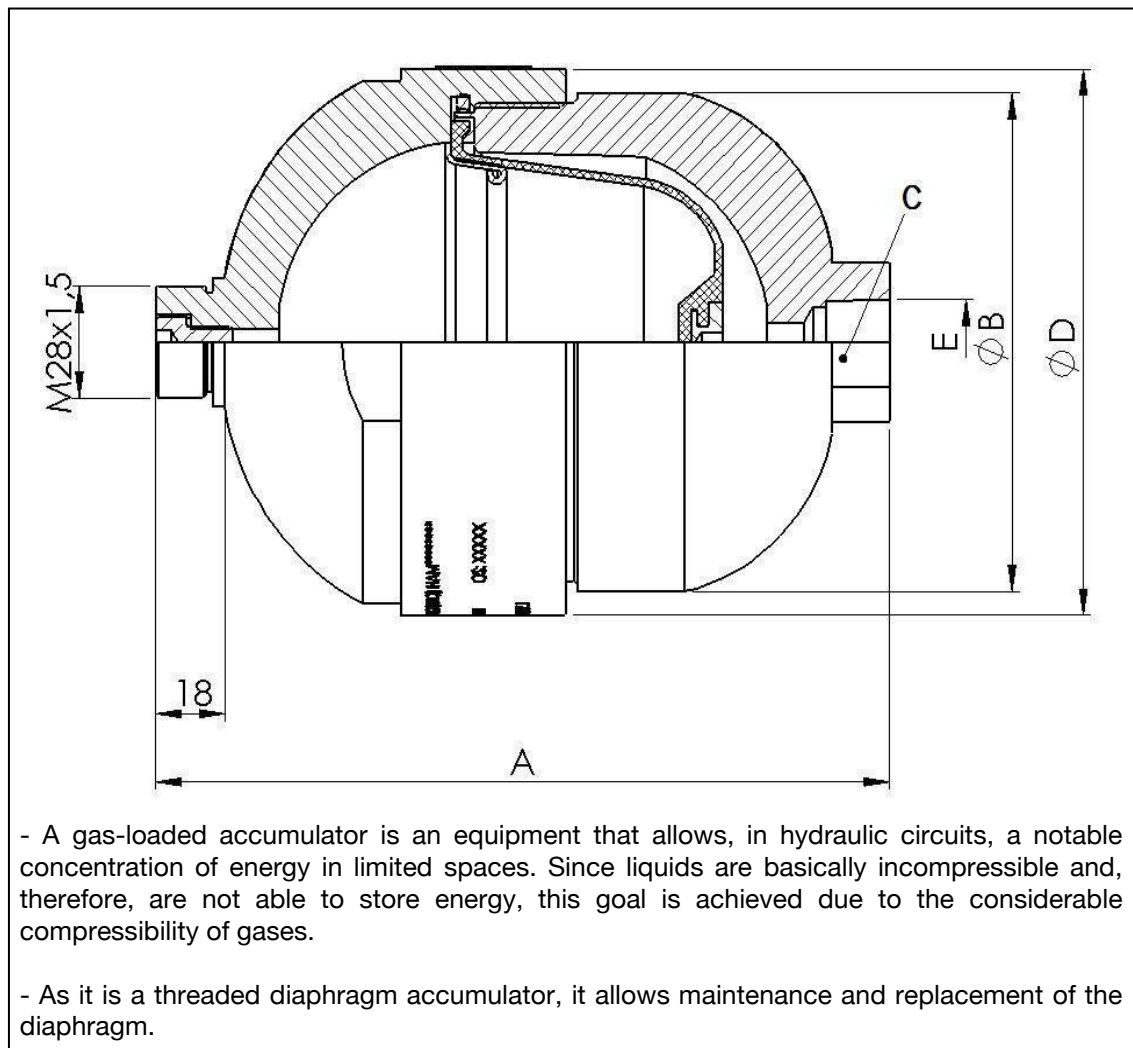


**Maximum working pressure PS:** 210 bar

**Nominal capacity:** 0.1 to 0.75 litres

### 1 – OPERATING PRINCIPLE

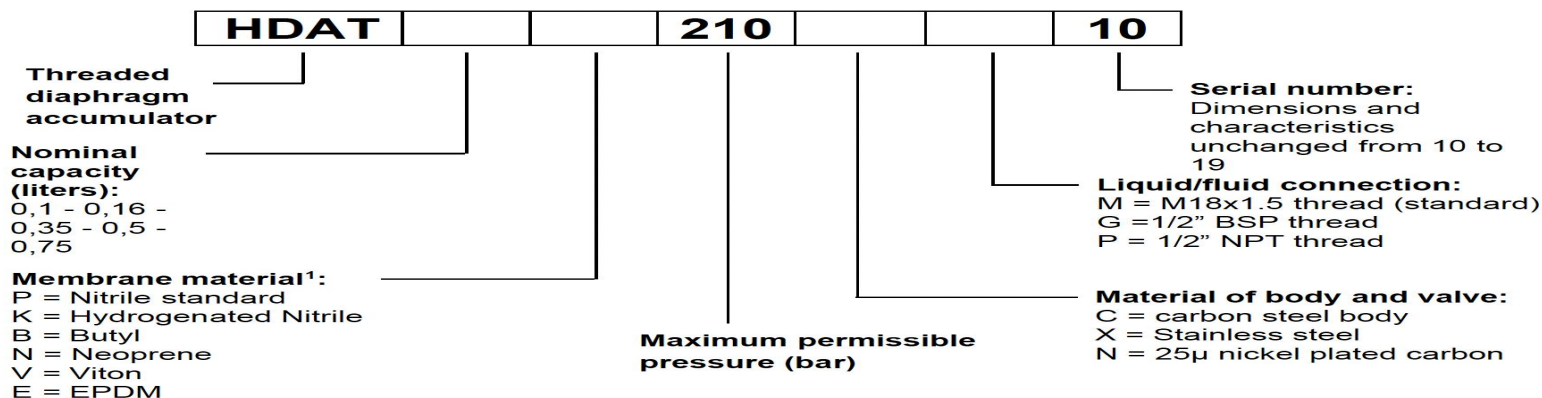
### 2 – HYDRAULIC SYMBOL



### 3 – DIMENSIONS

Model	Work pressure	Gas volume (liters)	Net weight (kg)	E fluid side connection			A (mm)	ØB (mm)	ØD (mm)	C (mm)
				M	P	G				
HDAT-0,1	210	0,1	1,9	M18x1,5	1/2" NPT	1/2" BSP	131	73	77	36
HDAT-0,16		0,16	2,2				137	78	78	30
HDAT-0,35		0,32	2,9				157	94	99	36
HDAT-0,5		0,48	4				172		116	
HDAT-0,75		0,75	7,7				192	120	137	40

## 4 – IDENTIFICATION



- 1- See catalog 092-100 item 3-14 information on membrane material.
- 2- Inform model / type in the additional data.

## 5 – PERFORMANCE

Maximum working pressure PS	210 bar
Test pressure PT	PS x 1.3 bar
Range of temperature, min and max, TS	-20°C to +150°C (can have restrictions according to the diaphragm material)
Pressure ratio (P <sub>2</sub> /P <sub>0</sub> )	6:1
Nominal capacity	0.1 - 0.16 - 0.36 - 0.5 - 0.75 litres

## 6 – CONSTRUCTION FEATURES

**This standard version includes:**

- Body made of carbon steel, externally polished and painted with anti-rust coating blue RAL 5015.
- Diaphragm and joints made of nitrile rubber (P).
- Gas connection: M28x1.5
- Fluid connection: female parallel thread (dimensions: M standard).
- Construction according to ASME section VIII DIV. 1.

**On request, the accumulator can be supplied with:**

- Body with protective coating of 25 micron nickel (specify other thicknesses).
- Body in stainless steel AISI 316.
- Diaphragm in K, B, N, V and E (see identification on catalog 092-100 item 3-14);
- Fluid connection: special screw (dimensions E on request).
- Flanged fluid connection (specify flange information).

## 7 – SPARE PARTS

Item	Description	Accumulator Model				
		HDAT-0,1	HDAT-0,16	HDAT-0,35	HDAT-0,5	HDAT-0,75
1	Membrane <sup>2)</sup>	10095/...	10098/...	10096/...	10097/...	10099/...

2) For the complete membrane ordering code, specify the letter corresponding to the elastomer after the number (see nomenclature).

- 1 – HT reserves the right to change informations of this catalog without previous warning.
- 2 – Copy is forbidden.
- 3 – If not indicated, dimensions in millimetres.

