

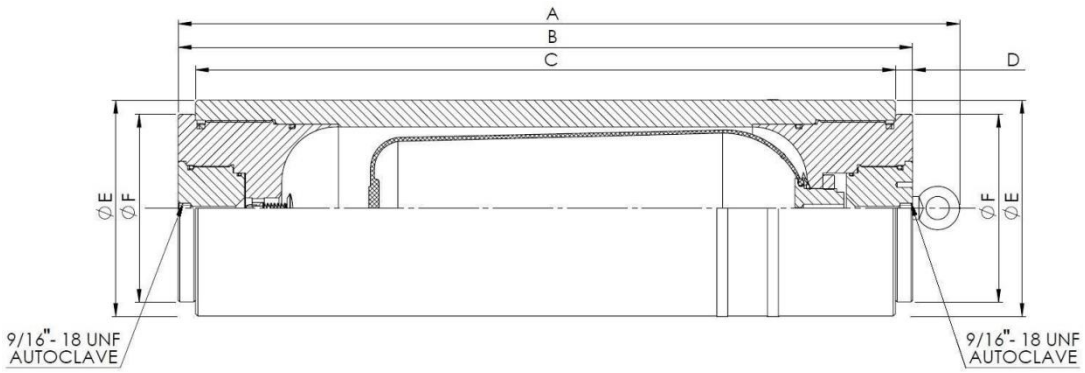
HBACT-690

BLADDER ACCUMULATOR OFFSHORE

Maximum working pressure PS: 690 bar

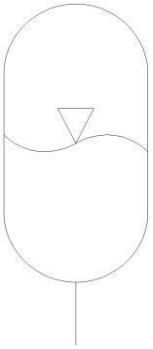
Nominal capacity: 10 – 20 – 32 litres

1 – OPERATING PRINCIPLE



Gas-loaded accumulator is an equipment that allows, in hydraulic circuits, a notable concentration of energy in limited spaces. Since liquids are basically incompressible and, therefore, are not able to store energy, this goal is achieved due to the considerable compressibility of gases.
The HBACT-690 series is especi ally designed to offshore/ subsea applications, enduring the conditions of the maritime environment.

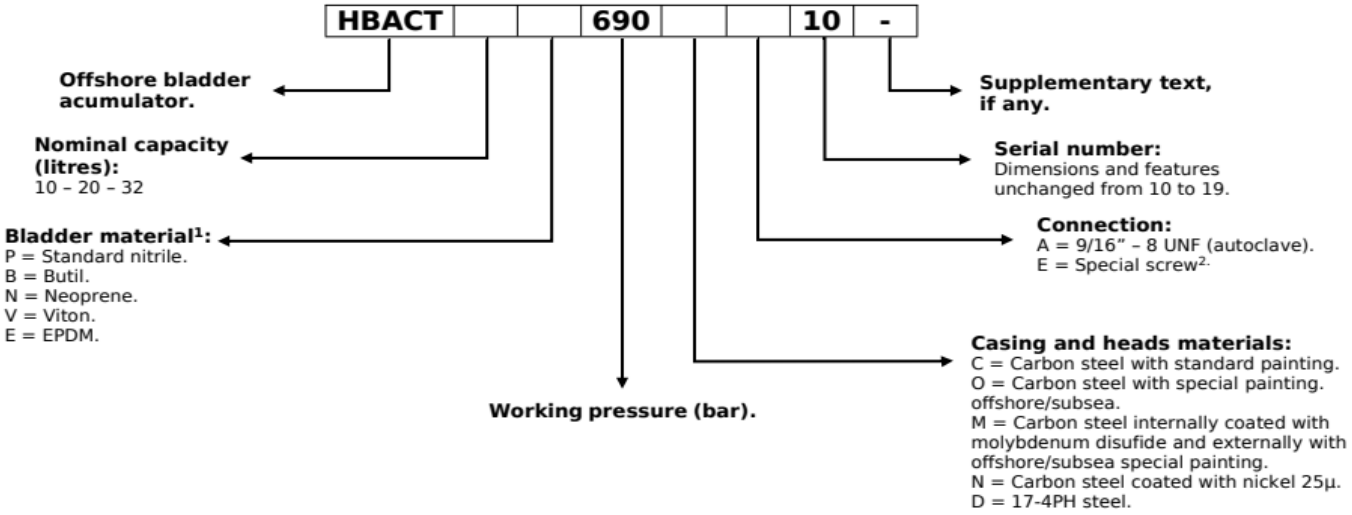
2 – HYDRAULIC SYMBOL



3 – DIMENSIONS

Model	Max. working pressure (bar)	Gas volume (litres)	Approx. net weight (kg)	Connection	A	B	C	D	ØE	ØF
HBACT 10	690	10	198	9/16” – 18 UNF	680	620	576	22	276	240
HBACT 20		20	263		1000	940	896			
HBACT 32		32	340		1430	1370	1344	13		

4 – IDENTIFICATION



1- See catalog 032-100 item 3-14 for information on the bladder material.
2- Specify the thread in the supplementary text.

5 – PERFORMANCE

Maximum working pressure PS	690 bar
Test pressure PT	PS x 1,5 bar
Range of temperature, min. and max. TS	-5°C a +80°C (can be restricted according to the blad der material).
Nominal capacity	10, 20 e 32 litres

6 – CONSTRUCTION FEATURES

The standard version includes:

Casing and heads in carbon steel, quenched and tempered, externally polished and painted with anti-rust coating.
Conecction 9/16" – 18 UNF.
Bladder and gaskets in standard nitrile rubber P.
Testing and construction according to ASME SECTION VIII DIV. 1.
Bladder constructed in a single piece without amendments.

On request, the accumulator can be supplied with:

- Casing and heads protected with nickel chemical coating (Thickness of 25 microns. Specify other thickness if necessary) .
- Casing and heads protected with special painting for offshore/ subsea applications.
- Casing and heads internally protected with molybdenum disulfide and externally protected with special painting for offshore/ subsea applications.
- Connection with special screw (specify in supplementary text) .
- Special bladder nozzle according to bladder catalog 098- 220.

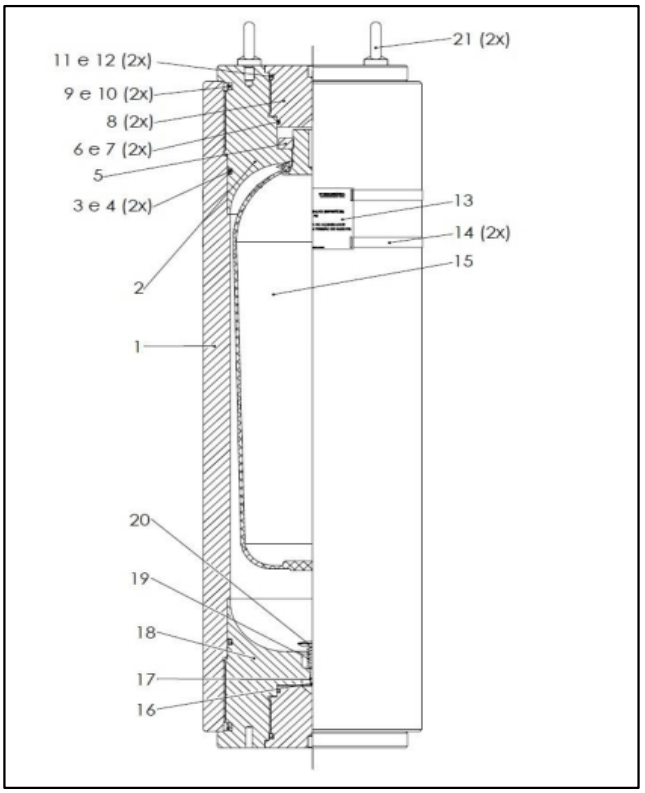
7 – COMPONENTS AND SPARE PARTS

The following table provides a list of accumulator components and, for each model, the part number to be used when ordering sp are parts. **THIS NUMBER IS VALID FOR STANDARD VERSIONS ONLY.**

For all the other versions, it is necessary to supply the manufacturer ' s serial number and the material.

The bladder must be ordered according to the instructions given on catalog 098-190, or with the accumulator identification code, or with the manufacturer's serial number.





Item	Description	Qt	Models		
			HBACT 10	HBACT 20	HBACT 32
1	Casing	1	H15100	H15200	H15320
2	Gas side head	1	H15101		
3	O'ring A	2	15301		
4	Supporting ring A	2	15401		
5	Bladder nozzle nut	1	H15110		
6	O'ring B	2	15302		
7	Supporting ring B	2	15402		
8	Head cap	2	H15102		
9	O'ring C	2	15303		
10	Supporting ring C	2	15403		
11	O'ring D	2	15304		
12	Supporting ring D	2	15404		
13	Name plate	1	H15140		
14	Clamp	2	H15150		
15	Bladder, nozzle and rubber ring (single piece)	1	See detailed description on catalog 098-220		
16	Parlock nut	1	15982		
17	Poppet valve bushing	1	H15160		
18	Fluid side head	1	H15103		
19	Spring	1	H15170		
20	Poppet valve	1	H15180		
21	Eye bolt	2	15580		
Gasket sets		1	H15630	15301 15401 15302 15402 15303 15403 15304 15404	

1 – HT reserves the right to change information of this catalog without previous warning.

2 – Copy is forbidden.

3 – If not indicated, dimensions em milimetres.