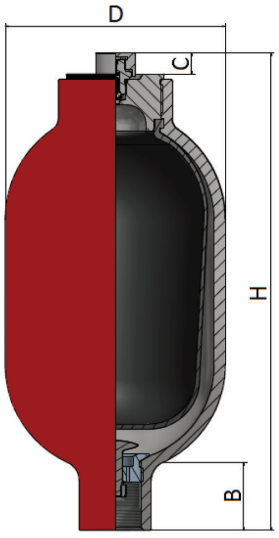
Bladder Type Hydropneumatic Accumulators – HBR Series

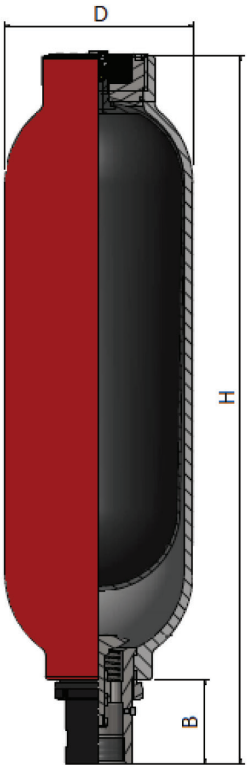
Top Repairable

Technical Features:

Maximum working pressure (PS):	350 bar
Test Pressure (PT):	PS x 1,43 / 1,3 / 1,5
Body:	forged steel, sand and painted
Standard nitrogen valve:	5/8" UNF
Working temperature (TS):	-20°C ÷ +80°C
Standard bladder:	can be used with mineral oils and non corrosive fluids
Installation:	horizontal / vertical (nitrogen valve upward)
Compression ratio:	- recommended: P2/P0 = 2.5 - maximum: P2/P0 = 4
Mechanical life:	the number of cycles is inversely proportional to the increase of the compression ratio. For pulsation dampener applications, the nitrogen value must be from 60% to 80% of the working pressure also in relation with the type of pump and the working temperature.
Special execution:	- Outside epoxy painted as per standard FOX procedure or as project specification - Internal lining in different materials - Bladders in HNBR, EPDM, FPM - Connection with flange SAE 3000 – SAE 6000, ANSI B16.5 or UNI/DIN - Special connection on request - Execution with nitrogen/poppet valve in inox



Drawing 1



Drawing 2

Article No.	Max Pressure	Nitrogen Volume	Hydraulic Connection	Price
	Bar	Litre		
HBR4	350	4	11/4" BSP-F	**PRICE ON REQUEST**
HBR6	350	6	11/4" BSP-F	**please contact our sales team for a quote on your next accumulator project**
HBR10	350	10	11/4" BSP-F	
HBR20	350	18.5	2" BSP-F	
HBR35	350	33.5	2" BSP-F	**sales@isisfluid.com 01608 645755**
HBR50	350	49	2" BSP-F	

Article No.	Max N2 precharge	H	D	B	Hydraulic Connection	Max Flow	Weight	Draw No.
	Bar	mm	mm	mm		Lt./Min	Kg	
HBR4	230	350	168.5	54	11/4" BSP-F	400	16	1
HBR6	230	480	168.5	54	11/4" BSP-F	350	19.5	1
HBR10	230	735	168.5	54	11/4" BSP-F	300	36	1
HBR20	230	850	223	105	2" BSP-F	600	53	2
HBR35	230	1400	223	105	2" BSP-F	540	84	2
HBR50	230	1990	223	108	2" BSP-F	500	115	2