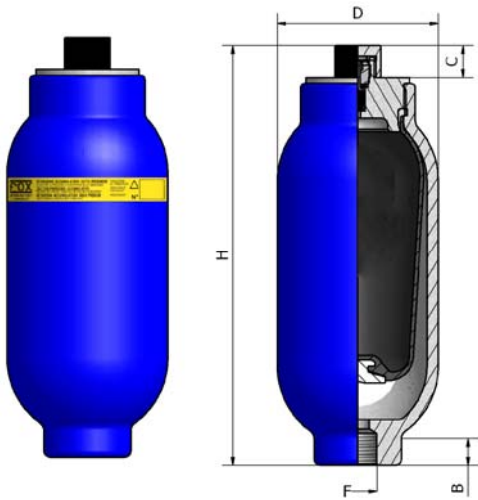
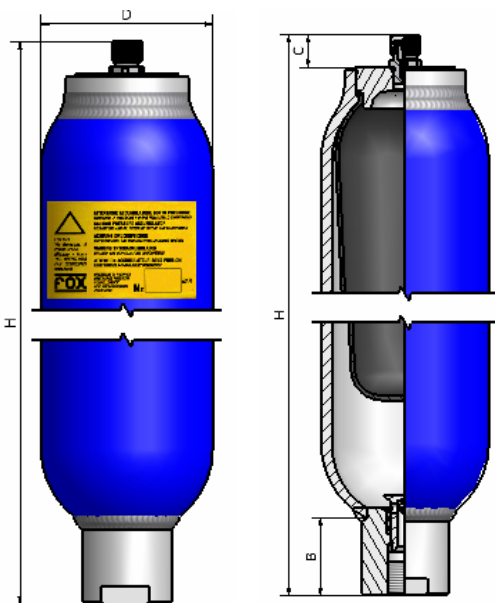


TOP REPARABLE


Drawing N°1



Drawing N°2

Technical Features:
Maximum working pressure (PS): 250/210 /150 bar

Test pressure (PT): PS x 1,43 bar

Body: made in painted carbon steel

Working temperature (TS): from - 20°C to + 80°C

Standard bladder: can be used with mineral oils and non corrosive fluids

Installation position: from vertical (nitrogen valve upward) to horizontal position

Compression Ratio:

- recommended: P2/P0 = 2.5
- maximum : P2/P0 = 4

Mechanical life: the number of cycles is proportional to the increase compression ratio

Warranty: see dedicated page

Spare parts: see dedicated page

Available:

- HTR .. T inside and outside zinc-plated body
- inside and outside epoxy painted body
- inside an outside nickel-plated body
- special bladder: FPM – EPDM – Hytrel – Alcryl ecc...
- bladders for working temperatures till 150 °C
- HTR .. LT series for utilization oil temperature to – 40°C
- hydraulic connection ½" BSP for the models marked with (*)

According to:

- 97/23/CE – PED
- 94/9/CE – ATEX II 2 G



Type	Max Pressure	Nitrogen Volume	Max Preload	H	D	C	B	Hydraulic Connection	Max Flow	Weight	Draw.
	Bar	Litri	Bar	mm	mm	mm	mm		Lt./min	Kg	
HTR0.3	250	0.3	150	185	72	15	20	M 18X1.5 *	40	2	1
HTR0.35	250	0.35	150	155	93	15	20	M 18X1.5 *	45	2.5	1
HTR0.7	250	0.75	150	220	92	15	20	M 18X1.5 *	40	3.7	1
HTR1.5	250	1.5	150	280	115	15	25	M 18X1.5 *	40	5.3	1
HTR2.5	250	2.5	150	483	115	15	50	¾" BSP	110	11.5	2
HTR4.5	210	4.5	150	395	170	15	80	1"¼ BSP	400	15	2
HTR6.5	210	6.5	150	520	170	20	60	1"¼ BSP	350	24	2
HTR10	210	10	150	760	170	15	80	1"¼ BSP	300	31	2
HTR20	150	19.5	100	845	220	15	110	2" BSP	600	59	2
HTR35	150	35	100	1500	220	15	110	2" BSP	540	90	2
HTR50	150	50	100	1990	220	15	110	2" BSP	500	121	2

RIPARABILE DALL'ALTO
Caratteristiche Tecniche:

Pressione massima di lavoro (PS): 250-210
 Pressione di prova (PT): PS x 1,43 / 1,3 / 1,5
 Corpo: in acciaio al carbonio verniciato
 Valvola azoto standard: 3/8" UNF
 Temperatura d'impiego (TS): da -20°C a +80°C
 Sacca standard: adatta a oli minerali e a fluidi non aggressivi
 Installazione: orizzontale / verticale (valvola azoto verso l'alto)

Rapporto di compressione:

- consigliato: P2/P0 = 2.5
- massimo: P2/P0 = 4

Vita meccanica: il numero di cicli è inversamente proporzionale all'aumento del rapporto di compressione. Per utilizzo come smorzatore, la pressione di precarica deve rientrare tra il 60% e il 80% della pressione di lavoro in considerazione del tipo di pompa e del valore della temperatura

Garanzia: vedi pagina dedicata

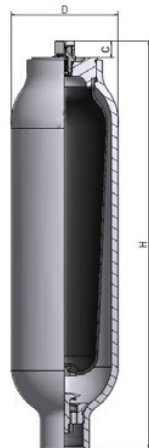
Parti di ricambio: vedi pagina dedicata

Disponibile:

- Corpo verniciato esternamente secondo procedura standard FOX o secondo specifica di progetto
- Rivestimento interno in diversi materiali
- Sacche in HNBR, EPDM, FPM
- Connessione con flangia SAE 3000 - SAE 6000, ANSI B16.5 o UNI/DIN
- Connessione speciale a richiesta
- Serie LT per temperature di - 40°C
- Serie S per separatore di fluidi



Disegno / Drawing No 1



Disegno / Drawing No 2

TOP REPARABLE
Technical Features:

Maximum working pressure (PS): 250-210
 Test pressure (PT): PS x 1,43 / 1,3 / 1,5
 Body: made in painted carbon steel
 Standard nitrogen valve : 3/8" UNF
 Working temperature (TS): from -20°C to +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.

Warranty: see dedicated page

Spare parts: see dedicated page

Available:

- 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
- LT series for temperature of - 40°C
- S series for separator of fluid

Su richiesta, conforme a:

- ❖ CE (2014/68/EU- PED)
- ❖ ATEX (2014/34/EU)
- ❖ ASME VIII Div.1 or Div.2 Latest Edition
- ❖ U-Stamp + NB
- ❖ EN 14359
- ❖ PD5500 (UK)
- ❖ EN 13445
- ❖ AS1210/4343 (Australia)
- ❖ ARH (Algeria)
- ❖ KOSHA (Korea)
- ❖ SELO (Cina)
- ❖ CU-TR 032/2013 (Russia)
- ❖ DOSH (Malaysia)
- ❖ NR-13 (Brasile)
- ❖ CRN (Canada)
- ❖ BV
- ❖ DNV / RINA
- ❖ Lloyd's / ABS

On request, according to:

- ❖ CE (2014/68/EU- PED)
- ❖ ATEX (2014/34/EU)
- ❖ ASME VIII Div.1 or Div.2 Latest Edition
- ❖ U-Stamp + NB
- ❖ EN 14359
- ❖ PD5500 (UK)
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- ❖ DOSH (Malaysia)
- ❖ NR-13 (Brasil)
- ❖ CRN (Canada)
- ❖ BV
- ❖ DNV / RINA
- ❖ Lloyd's / ABS

Modello	Volume Azoto	Pressione Max	Prearica N2 max	H	D	C	B	Connessione Idraulica	Portata Max	Peso	Disegno
Model	Nitrogen Volume	Max Pressure	Max N2 precharge	H	D	C	B	Hydraulic Connection	Max Flow	Weight	Drawing
	Lt	Bar	Bar	mm	mm	mm	mm		Lt./min	Kg	
HTR1.5	1.5	250	160	280	115	15	25	M18x1.5-F	40	6.6	1
HTR2.5	2.5	250	160	483	115	15	50	1-1/4" BSP-F	110	10.3	2
HTR4.5	4.5	210	140	395	170	15	80	1-1/4" BSP-F	400	14	2
HTR6.5	6.5	210	140	520	170	20	60	1-1/4" BSP-F	350	20	2
HTR10	10	210	140	760	170	15	80	1-1/4" BSP-F	300	31	2