PATENTED EXECUTION

Technical Features:

Maximum working pressure (PS): 250 bar

Test pressure (PT) : PS x 1.43 bar

Maximum preload: 160 bar

Body: in cold formed steel

Constructive methodology: end parts welded in protected argon atmosphere

Working temperature for standard execution: from - 20°C to + 80°C

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

Installation: in any position

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

Warranty: see dedicated page

Spare parts: see dedicated page

Also available:
- **H.. LT** series for working temperature till – 40°C
- diaphragm for working with aggressive fluids

According to:
97/23/CE – PED
94/9/CE – ATEX

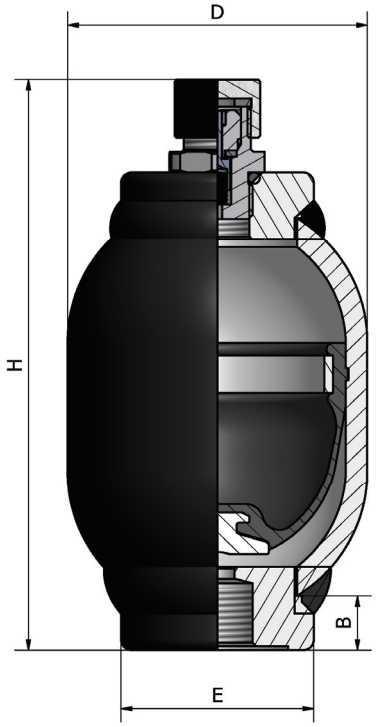
CE Ex II 2 G/D

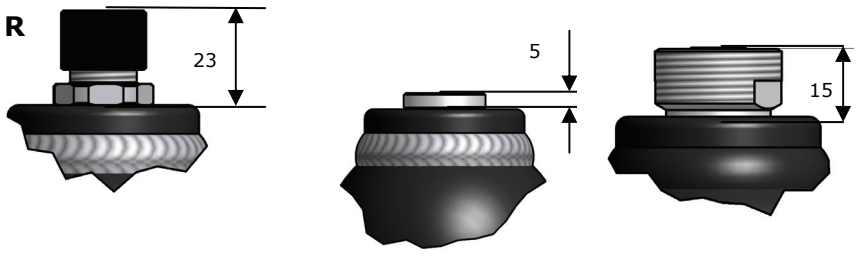
Nitrogen connection parts:

R = rechargeable ⅝"UNF

V = non rechargeable

M = rechargeable M28x1,5



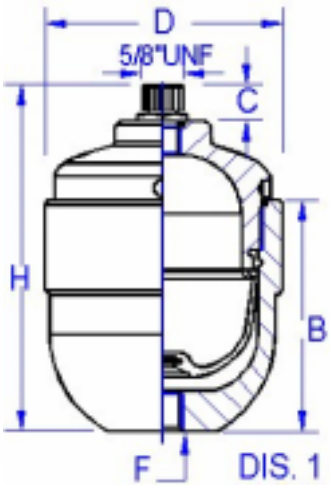


Dimensions with valve R type

Type	P. Max	Nitrogen Volume	Max Preload	H	D	E	C	B	Hydraulic Connection	Max Flow	Weight
	Bar	Litres	Bar	mm	mm	mm	mm	mm		Litre/min	Kg
H100R	250	0.15	160	142	70	45	23	15	M 18X1.5	40	1.2
H350R	250	0.35	160	205	70	35	23	15	M 18X1.5	35	1.7
H500R	250	0.45	160	167	92	55	23	17	M 18X1.5	50	1.9
H700R	250	0.7	160	220	92	40	23	17	M 18X1.5	40	2.7
H1000R	250	1	160	200	115	60	23	19	M 18X1.5	50	3.5
H1400R	250	1.4	160	270	115	60	23	19	M 18X1.5	40	4.9
H2000R	250	2	160	350	115	60	23	19	M 18X1.5	40	5.8
H4000R	210	3.8	135	320	170	95	23	15	¾"BSP	80	14

FOX Srl via Romagna 6 – 20090 Opera – Milano
Tel +39.02.57.60.00.33 - +39.02.57.60.65.43 Fax +39.02.57.60.01.76

DIAPHRAGM TYPE HYDROPNEUMATIC ACCUMULATORS HST / 300 SERIES



Technical Features:

Maximum working pressure: 300 bar

Test pressure: 450 bar

Body: made in plated carbon steel

Constructive methodology: two different parts united whit a special threading that under condition of dynamic pressure tends to self-block

Working temperature for standard execution: from - 20°C to + 90°C

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

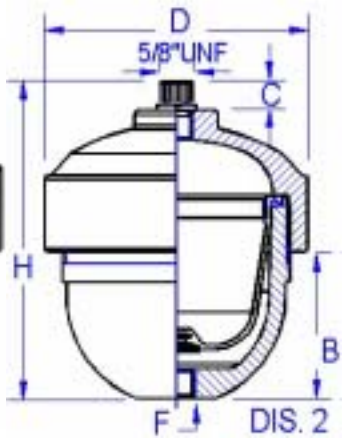
Installation: in every position

Compression ratio:
- recommended: P2/P0 = 2.5
- maximum : P2/P0 = 6

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

Warranty: see dedicated page

Spare parts: see dedicated page



Special execution:
- **HST .. T** inside and outside zinc-plated body
- diaphragm for working temperatures from –50 °C to +130 °C
- **HST .. M:** nitrogen valve M28x1.5
- **HST .. V:** fixed nitrogen preload
- **HST .. S:** separator of fluid execution

According to:

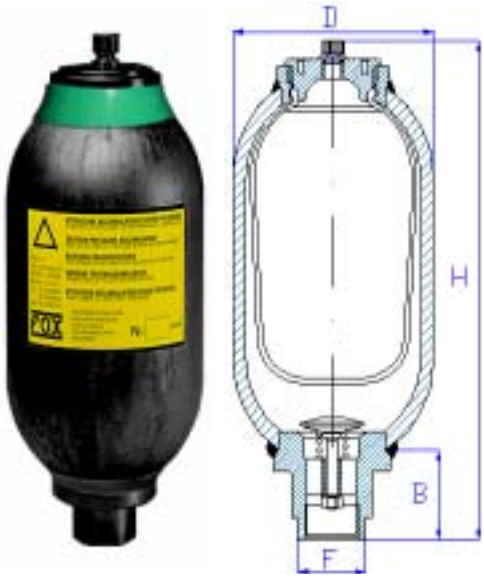
97/23/CE – PED
94/9/CE – ATEX

Type	Max Pressure	Nitrogen Volume	Max Preload	H	D	B	C	Hydraulic Connection	Max Flow	Weight	Draw. N°
	Bar	Litre	Bar	mm	mm	mm	mm		Litre/min	Kg	
HST 0.04	300	0.04	210	100	60	35	11	⅜" BSP	35	0.7	2
HST 0.1	300	0.12	210	141	80	94	22	M 18X1.5	45	2.1	1
HST 0.35	300	0.35	210	152	101	100	22	M 18X1.5	50	3.2	1
HST 0.5	300	0.5	210	175	124	120	22	M 18X1.5	60	5	1
HST 0.7	300	0.7	210	218	100	80	22	M 18X1.5	55	5.5	1
HST 0.8	300	0.8	210	185	138	85	22	M 18X1.5	60	5.8	2
HST 1.3	300	1.3	210	232	120	180	22	M 18X1.5	55	7.9	1
HST 1.5	300	1.5	210	270	138	160	22	M 18X1.5	55	8.7	2
HST 2.3	300	2.3	210	340	138	165	22	M 18X1.5	55	10.5	2

Fox S.r.l. via Romagna 6 – 20090 Opera – Milano
Tel +39.02.57.60.00.33 - +39.02.57.60.65.43 Fax +39.02.57.60.01.76

TOP REPARAIBLE

Drawing N°1



Drawing N°2

Technical Features:

Maximum working pressure (PS): 210 / 310 bar

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

Body: made in plated 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

Compression Ration:
- 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, Teflon plated body
- special bladder: FPM – EPDM – Hytrel – Alcryn ecc…
- bladders for working temperatures till 150 °C
- **HTR .. LT** series for working temperature till – 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	1"¼ 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	1380	220	15	110	2" BSP	540	90	2
HTR50	150	50	100	1870	220	15	110	2" BSP	500	121	2

Fox S.r.l. via Romagna 6 – 20090 Opera – Milano
Tel +39.02.57.60.00.33 - +39.02.57.60.65.43 Fax +39.02.57.60.01.76