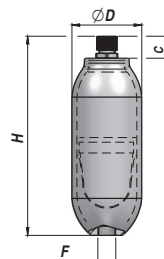
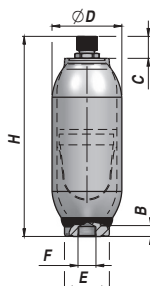
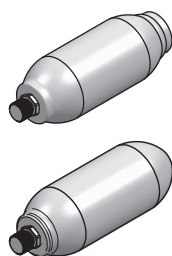


H

ACCUMULATEUR HYDROPNEUMATIQUE A MEMBRANE DIAPHRAGM HYDROPNEUMATIC ACCUMULATOR



H990R - H3000R

En conformité à - *Compliant with* :
97/23/CE-PED
94/9/CE-ATEX GII Cat2
GOST-R (Russia)
SELO (China)

Code Code	Type Type	P MAX bar	Azote Nitrogen	H	ØD	E	B	C	F	Q MAX l/min	kg
ACH0000350	H 350 R	250	lt 0.35	190	70	35	15	23	M18x1.5	35	1,7
ACH0000500	H 500 R	250	lt 0.45	167	92	55	17	23	M18x1.5	50	1,9
ACH0000700	H 700 R	250	lt 0.70	220	92	40	17	23	M18x1.5	40	2,7
ACH0000990	H 990 R	250	lt 0.99	251	92	-	-	23	M18x1.5	50	4
ACH0001000	H 1000 R	250	lt 1.00	200	115	60	19	23	M18x1.5	50	3,5
ACH0001500	H 1500 R	250	lt 1.50	270	115	60	19	23	M18x1.5	40	6,2
ACH0002200	H 2200 R	250	lt 2.20	350	115	60	19	23	M18x1.5	40	7,9
ACH0002800	H 2800 R	250	lt 2.80	391	115	-	-	23	M18x1.5	60	9,8
ACH0004000	H 4000 R	210	lt 3.80	320	170	95	15	23	3/4" BSP	80	14

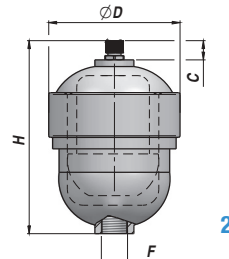
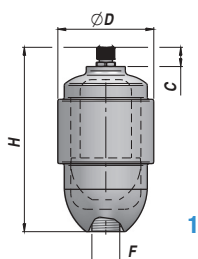
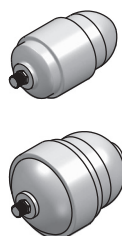
Température d'exercice - *Working temperature* : -20°C - +80°C

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MATERIEL MEMBRANE : NBR
DIAPHRAGM MATERIAL : NBR

HST

ACCUMULATEUR HYDROPNEUMATIQUE A MEMBRANE, REPARABLE DIAPHRAGM HYDROPNEUMATIC ACCUMULATOR, REPARABLE



En conformité à - *Compliant with* :
97/23/CE-PED
94/9/CE-ATEX GII Cat2
GOST-R (Russia)
SELO (China)

Code Code	Type Type	P MAX bar	Azote Nitrogen	H	ØD	C	F	Q MAX l/min	Dessin Drawing	kg
ACHST00050	HST 0.05	300	0.05	98	60	22	3/8" BSP	35	1	1,1
ACHST00100	HST 0.12	300	0.12	151	53	22	M18x1.5	45	1	1,6
ACHST00150	HST 0.15	300	0.15	141	80	22	M18x1.5	45	1	2,5
ACHST00350	HST 0.35	300	0.35	152	101	22	M18x1.5	50	1	4
ACHST00500	HST 0.5	300	0.50	175	124	22	M18x1.5	60	1	5,5
ACHST00700	HST 0.7	300	0.70	218	100	22	M18x1.5	55	1	5,5
ACHST00800	HST 0.8	300	0.80	185	138	22	M18x1.5	60	2	6,3
ACHST01300	HST 1.3	300	1.30	232	125	22	M18x1.5	55	1	8,2
ACHST01500	HST 1.5	300	1.50	270	138	22	M18x1.5	55	2	8,9
ACHST02300	HST 2.3	300	2.30	340	138	22	M18x1.5	55	2	11,5

Température d'exercice - *Working temperature* : -20°C - +80°C

MATERIEL CORPS : ACIER
BODY MATERIAL : STEEL

MATERIEL MEMBRANE : NBR
DIAPHRAGM MATERIAL : NBR

ESECUZIONE A MEMBRANA NON RIPARABILE

Caratteristiche Tecniche:

Pressione massima di lavoro (PS): 250-210 bar
Pressione di prova (PT): $PS \times 1,43 / 1,3 / 1,5$
Corpo: in acciaio al carbonio verniciato
Valvola azoto standard: 5/8" UNF (versione R)
Metodologia costruttiva: esecuzione con cianfrinatura, senza saldature
Temperatura d'impiego (TS): da -20°C a +80°C
Membrana standard: adatta a oli minerali e a fluidi non aggressivi, non riparabile
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: non presenti

Disponibile:

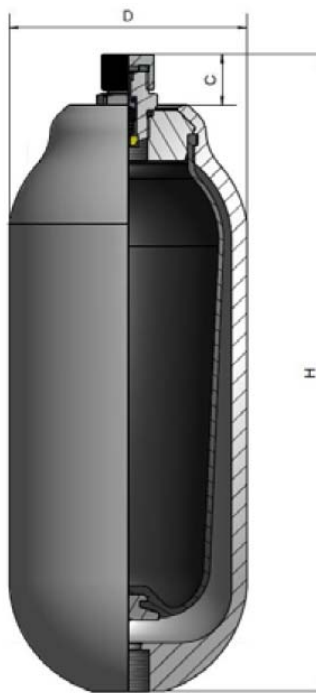
- Corpo verniciato esternamente secondo procedura standard FOX o secondo specifica di progetto
- Membrane in HNBR, EPDM, FPM, HYTREL
- Connessione con flangia SAE 3000
- Connessione con flangia ANSI B16.5 o UNI/DIN
- Connessione speciale a richiesta
- Serie H.../LT membrana per temperature di -40°C
- Serie H...R ricaricabile con valvola azoto 5/8" UNF
- Serie H...M ricaricabile con valvola azoto M28x1.5
- Serie H...V non ricaricabile con precarica fissa



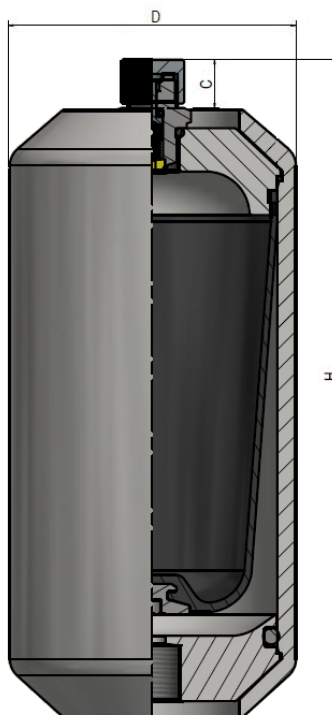
Valvola azoto versione R
R nitrogen valve version

Su richiesta, conforme a:

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



Disegno / Drawing No 1



Disegno / Drawing No 2

NOT REPAIREABLE DIAPHRAGM EXECUTION

Technical Features:

Maximum working pressure (PS): 250-210 bar
Test pressure (PT): $PS \times 1,43 / 1,3 / 1,5$
Body: made in painted carbon steel
Standard nitrogen valve : 5/8" UNF (R version)
Constructive methodology: execution with caulking, without welds
Working temperature (TS): from -20°C to +80°C
Standard diaphragm: can be used with mineral oils and non corrosive fluids, not replaceable
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: not available

Also available:

- Outside epoxy painted as per standard FOX procedure or as project specification
- Diaphragm in HNBR, EPDM, FPM, HYTREL
- Connection with flange SAE 3000
- Connection with flange ANSI B16.5 or UNI/DIN
- Special connection on request
- H.../LT diaphragm for temperature up to -40°C
- H...R series rechargeable with nitrogen valve 5/8" UNF
- H...M series rechargeable with nitrogen valve M28x1.5
- H...V series not rechargeable with fix nitrogen value



Valvola azoto versione M
M nitrogen valve version

On request, according to:

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

Modello	Volume Azoto	Pressione Max	Precarica N2 max	H	D	C	Connessione Idraulica	Portata Max	Peso	Disegno
Model	Nitrogen Volume	Max Pressure	Max N2 precharge	H	D	C	Hydraulic Connection	Max Flow	Weight	Drawing
	Lt	Bar	Bar	mm	mm	mm		Lt/min	Kg	Kg
H120R	0.12	250	160	145	50	23	M18X1.5-F	35	1.0	1 & 2
H150R	0.15	250	160	135	70	23	M18X1.5-F	40	1.7	1 & 2
H350R	0.35	250	160	190	70	23	M18X1.5-F	35	2.5	1 & 2
H500R	0.45	250	160	167	92	23	M18X1.5-F	50	2.8	1 & 2
H700R	0.75	250	160	220	92	23	M18X1.5-F	40	3.2	2
H990R	0.99	250	160	251	92	23	M18X1.5-F	50	3.9	1 & 2
H1000R	1	250	160	200	115	23	M18X1.5-F	50	4.5	1 & 2
H1500R	1.5	250	160	270	115	23	M18X1.5-F	40	6.2	2
H2200R	2.2	250	160	350	115	23	M18X1.5-F	40	7.9	2
H2800R	2.8	250	160	391	115	23	M18X1.5-F	60	9.8	2
H4000R	3.8	210	135	335	170	23	3/4" BSP-F	80	14	1 & 2