

- Maximum standard nitrogen preload:** Maximum standard nitrogen preload-150 Bar
 For different preloads, please consult us.
- Body:** made in painted carbon steel
- Working temperature:** from -20°C to +80°C
- Compression ratio:** recommended-P2/P0=2.5; maximum-P2/P0=4
- According to:** 97/23/CE-PED; 94/9/CE-ATEX Group II Cat 2; ASME VIII div.1; GOST-R; SELO.
- Nitrogen load valve thread:** 5/8" UNF

Part n°	R1	Max. flow (l/min)	Max. Press. (bar)	Nitrogen vol. (l)	Image n°	A	B	C	D
HTR 1.5	M18X1.5	40	250	1,5	1	280	25	15	115
HTR 4.5	1"1/4 BSP	400	210	4,5	2	395	80	15	170
HTR 10	1"1/4 BSP	300	210	10	2	760	80	15	170



Maximum preload: 230 Bar

Body: Forged steel, sand and painted

Working temperature: from -20°C to +80°C

Compression ratio: recommended-P2/P0=2.5; maximum-P2/P0=4

According to: 97/23/CE-PED; 94/9/CE-ATEX Group II Cat 2; ASME-USTAMP; GOST-R; SELO.

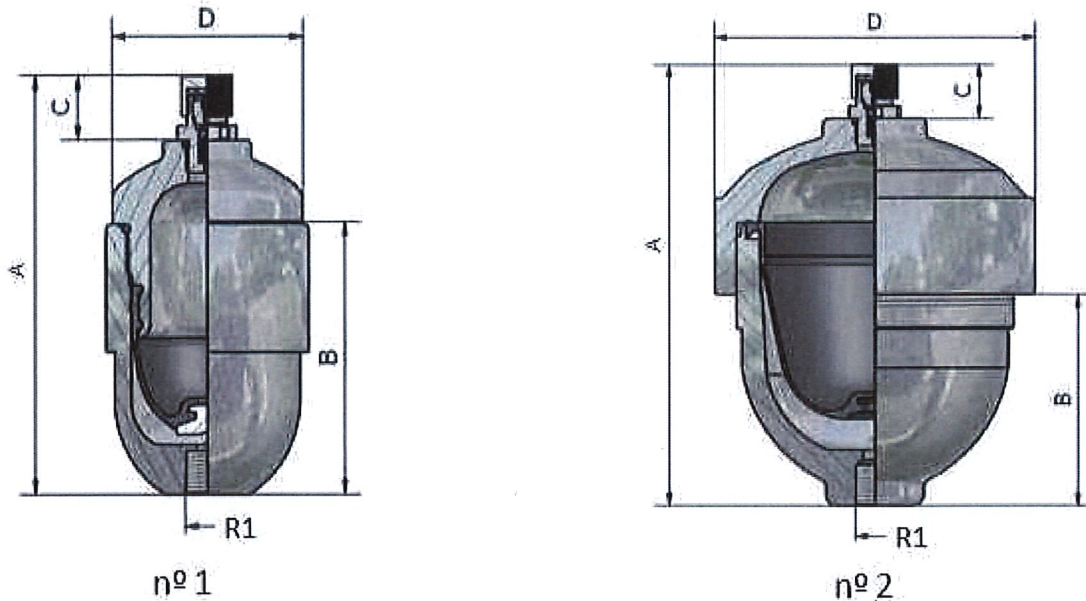
HB: R1=E

Standard nitrogen preload: 150 bar

Ex: for a nitrogen preload of 10 bar: Max.pressure in the int.: ≤40 bar, and recom.press: 25 bar

Nitrogen load valve thread: 5/8" UNF

Part n°	R1	Max. flow (l/min)	Max. Press. (bar)	Nitrogen vol. (l)	A	B	C	D	E
HB 2.5	1"1/4 BSP	220	350	2,5	495	60	25	114	50
HB 4.5	1"1/4 BSP	400	350	4	410	60	47	168	50
HB 6	1"1/4 BSP	350	350	6	505	60	47	168	50
HB 10	1"1/4 BSP	300	350	10	775	60	47	168	50
HB 20	2" BSP	600	350	18,5	870	100	60	223	70
HB 25	2" BSP	570	350	24,9	1030	100	60	223	70
HB 35	2" BSP	540	350	33,5	1400	100	60	223	70
HB 50	2" BSP	500	350	49	1900	100	60	223	70



Maximum preload: 210 Bar

Body: made in painted carbon steel

Working temperature: from -20°C to +90°C

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

According to: 97/23/CE-PED; 94/9/CE-ATEX Group II Cat 2; GOST-R; SEL0-CSEI.

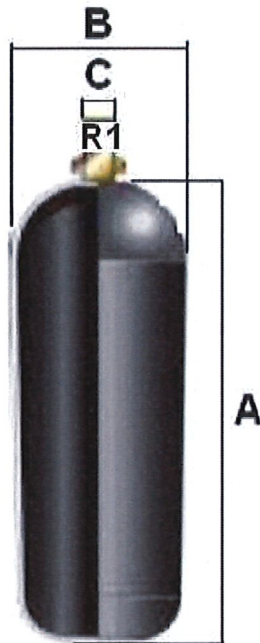
Standard nitrogen valve: 5/8" UNF

Standard nitrogen preload: 150 bar

Ex: for a nitrogen preload of 10 bar: Max.pressure in the int.: ≤60 bar, and recom.press: 25 bar

Nitrogen load valve thread: 5/8" UNF

Part n°	R1	Max. flow (l/min)	Max. Press. (bar)	Nitrogen vol. (l)	Image n°	A	B	C	D
HST 0.05	3/8" BSP	35	300	0,05	1	98	68	22	60
HST 0.15	M18X1.5	45	300	0.15	1	141	94	22	80
HST 0.35	M18X1.5	50	300	0,35	1	152	100	22	101
HST 0.5	M18X1.5	60	300	0,5	1	175	120	22	124
HST 0.7	M18x1.5	55	300	0.7	1	218	80	22	100
HST 1.3	M18X1.5	55	300	1,3	1	232	180	22	125
HST 1.5	M18X1.5	55	300	1,5	2	270	160	22	138
HST 2.3	M18X1.5	55	300	2,3	2	340	165	22	138



Maximum preload: 230 Bars

Material: NBR

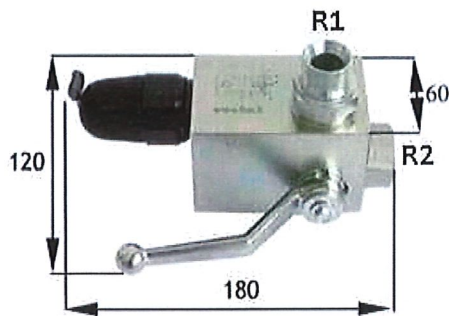
Working temperature: from -20°C to +80°C

Compression ratio: recommended-P2/P0=2.5; maximum-P2/P0=4

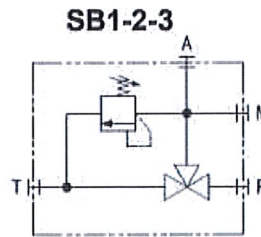
According to: 97/23/CE-PED; 94/9/CE-ATEX Group II Cat 2; ASME-USTAMP; GOST-R; SELO.

SHB Bladder: R1=C

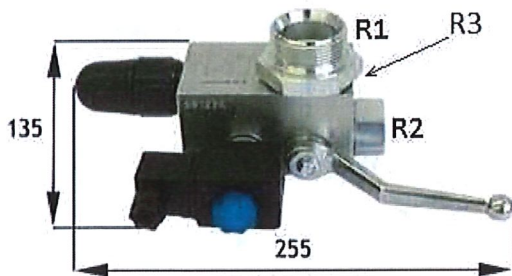
Part n°	R1	A	B	C
SHB2.5	5/8" UNF	210	145	22,25
SHB4.5	5/8" UNF	210	145	22,25
SHB6	5/8" UNF	310	145	22,25



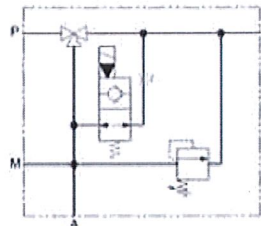
SB1-2-3



SB1-2-3E



SB1-2-3E



Working temperature: From -20°C to +80°C

Electrovalve N.O., 24VDC Standard execution. Other execution on request

R1: Accumulator's side hydraulic connection

R2: Installation's side hydraulic connection

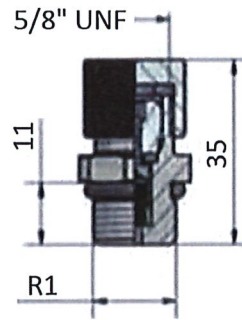
R3: 3/4" BSP thread of the block

SB1, SB1E, SB2, SB2E: Recommended accumulator size from 2,5L to 10L

SB3, SB3E: Recommended accumulator size from 10L to 50L

M: 1/4" BSP

Part nº	R1	R2	Details	Flow (l/min)	Max. Press. (bar)	Nitrogen vol. (l)
SB1	3/4" BSPM	1/2" BSPF	Manual	55L/min (10m/s)	350	2,5-10 L (recomend)
SB1E	3/4" BSPM	1/2" BSPF	Eléctrico / Electric	55L/min (10m/s)	350	2,5-10 L (recomend)
SB2	1" 1/4 BSPM	1/2" BSPF	Manual	55L/min (10m/s)	350	2,5-10 L (recomend)
SB2E	1" 1/4 BSPM	1/2" BSPF	Eléctrica / Electric	55L/min (10m/s)	350	2,5-10 L (recomend)
SB3	2" BSPM	1/2" BSPF	Manual	55L/min (10m/s)	350	10-50 L (recomend)
SB3E	2" BSPM	1/2" BSPF	Eléctrica / Electric	55L/min (10m/s)	350	10-50 L (recomend)



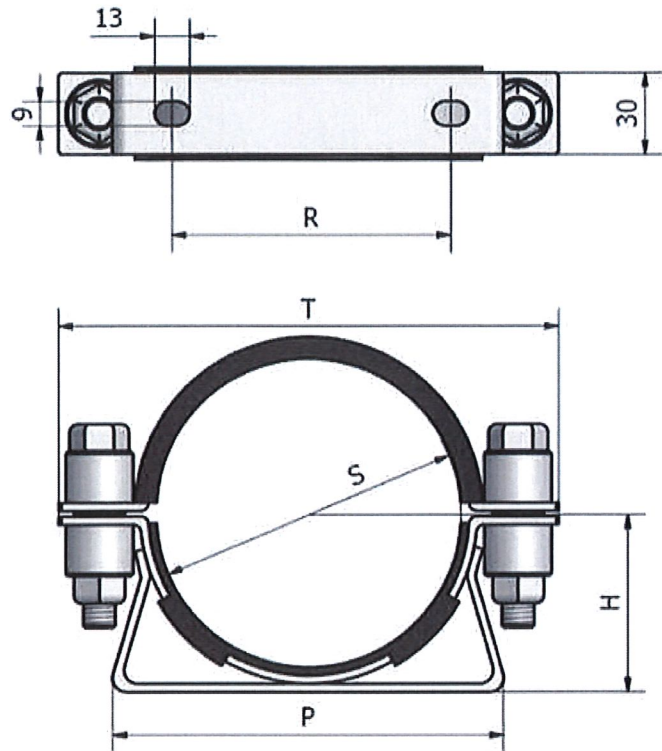
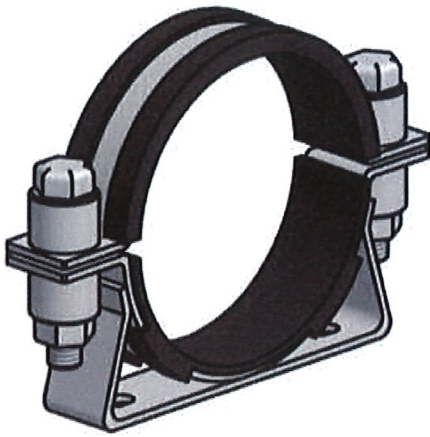
Nitrogen valve R: 5/8" UNF

Body of the nitrogen valve R: Zinc plated steel

Part n°	R1	Max. Press. (bar)
VALVULA R	3/8" BSP	400
VALVULA R 2	1/4" BSP	400



Part n°	R1
RID132	5/8" UNF > 7.7x1/32"
RID78	5/8" UNF < 7/8" UNF



Part n°	Flange diam.	H	P	R	S	T
CR114	114	66	137	100	114÷116	180
CR168	168	93	180	148	168÷172	230
CR223	223	110	253	216	216÷225	290