

ORDER EXAMPLE: U015 A04 B 1 AI

Capacity: 1.5 litres

A04=40bar

B= BUTYL Rubber Bladder

3/4" Standard Connection

Body & insert material: AISI 316L

A02=20bar

A03=30bar

A04=40bar

A05=50bar

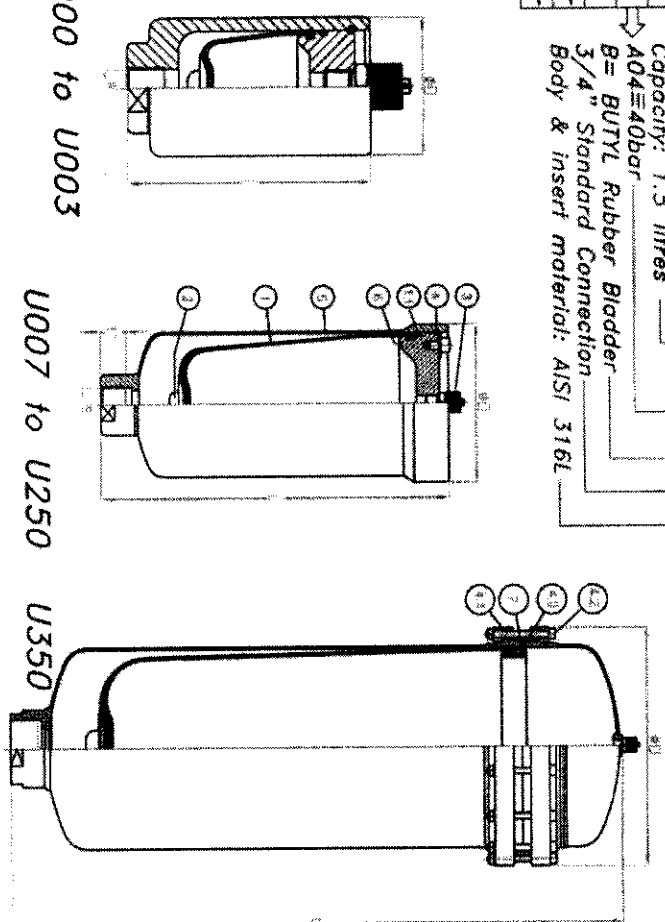
A18=180bar

A26=260bar

FOR HIGHER PRESSURES, SIZES, MATERIALS AND THREAD CONNECTIONS, PLEASE CONSULT

Value of "K": Maxl. Pressure $\leq$ K (at Constant Temp.)

Filling gas Pressure



Hydrostatic test pressure @ 1.3 x Design Pressure @ 20°C

Wall thickness acc. to AD-2000 code

U000 to U003

U007 to U250

U350

H = MAXI. LENGTH OF THREAD CONNECTION

Standard Bladder Rubbers: N=NB, B=BUTYL, E=EPDM, V=FKM	N	B	E	V
(Other Rubbers: Neoprene, Hypalon, HNB, etc.)	+80	+100	+130	+200
Rubbers Max. Working Temperatures (°C)	-15	-30	-30	-20
Working Temperatures versus Working Pressures**				
For a temperature of 80°C correspond design pressure x 0.87				
" " " 100°C " x 0.82				
" " " 130°C " x 0.78				
" " " 200°C " x 0.68				

TOLERANCES:

Volume: ±2.5% Weight: ±5%

External dimensions: ±5%

THE MAX. WORKING TEMPERATURE CAN BE REDUCED DEPENDING ON THE LIQUID IN CONTACT

Those Pulsation Dampeners ought to be filled with gas at a value of 0.80x the pressure to stabilize and that of the working temperature

NOTE: The precharge with gas or air must be done slowly and with our charging tool Ref. BV160A1TM

HIDRACAR SA 08243 MANRESA (BARCELONA) SPAIN Phone: 34.93.8330252 E-mail: hidracar@hidracar.com	Customer	Customer Ref.	Replaced Drg.N°	Drawn	Approved
	Title: S.S.MEDIUM & LOW PRESSURE BLADDER PULSATION DAMPERS (standard units)		Drg.No	Rev.	Date
		AV.AI.MP-BP.IN.DOC (Rev.23)		E.Ponso	Scale
		AV.AI.MP-BP.IN.DOC		24	none

PULSATION DAMPER Reference	VOLUME (litres)	DESIGN PRESSURE (bar @ 20°C)	D (mm)	L (mm)	R (BSP)	H (mm)	WEIGHT (kg)	K VALUE
U000	0.04	260	55	70	3/8"		0.8	
U001	0.09			97			1.0	2.5
U002	0.18	180	70	122	1/2"		1.8	
U003	0.36		85	168			3.6	3.0
U007	0.65	50	88	208	3/4"		2.5	3.5
U010	0.95		113	211			4.3	3.0
U015	1.50			256			4.6	
U030	2.60	30	140	305	1"	27	5.3	3.5
U040	3.80		167	420	1-1/2"		5.7	5.0
U060	5.60	40	217	432	2"		15.0	4.0
U100	10.40		270	645		30	19.2	5.0
U150	15.00		270	677	2-1/2"		26.0	4.0
U250	25.00	20	302	772			28.5	2.2
U350	35.00							

7	"O" RING	1	NBR, BUTYL, EPDM & FKM
6	COVER	1	AISI 316L
5	BODY	1	AISI 316L
4.3	RETAINING RING	1	AISI 316
4.2	BOLTS & NUTS	14	DIN 912 & 934 A4-70
4.1	RETAINING RING	2	AISI 316L
4	RETAINING RING	1	DIN17224 (AISI 316)
3	INFLATING N2 VALVE	1	AISI 316L (1/4" BSP)
2	INSERT	1	AISI 316L
1.1	"O" RING	1	NBR, BUTYL, EPDM & FKM
1	BLADDER	1	NBR, BUTYL, EPDM & FKM
No	DENOMINATION	QT.	MATERIALS

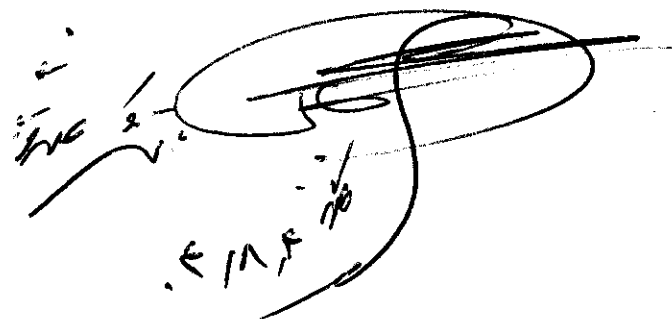
ATTENTION! ALWAYS MUST BE MOUNTED VERTICALLY (VALVE 3 ON TOP)

به ناکذا

۴/۸/۴

مجلس رفته باشد

کتاب در دست نیست [صحت دهد: کتب آنا الیری . لایست در دست نیست
است در دست نیست استعاره نه: سر . لذا خواهشمند است موافقت نماید

 ۴/۸/۴

HD