

A02≡20bar
A03≡30bar
A04≡40bar
A05≡50bar
A18≡180bar
A26≡260bar

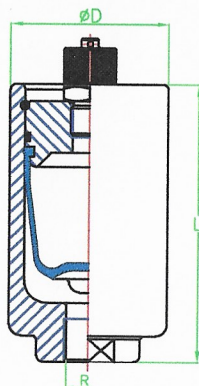
ORDER EXAMPLE: U015 A04 B 1 AI

Capacity: 1.5 litres
A04≡40bar
B= BUTYL Rubber Bladder
3/4" Standard Connection
Body & insert material: AISI 316L

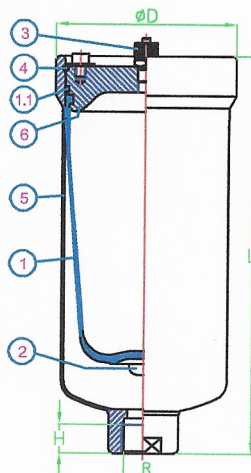
FOR HIGHER PRESSURES, SIZES, MATERIALS AND THREAD CONNECTIONS, PLEASE CONSULT

Value of "K": $\frac{\text{Maxi. Pressure}}{\text{Filling gas Pressure}} \leq K (\text{@Constant Temp.})$

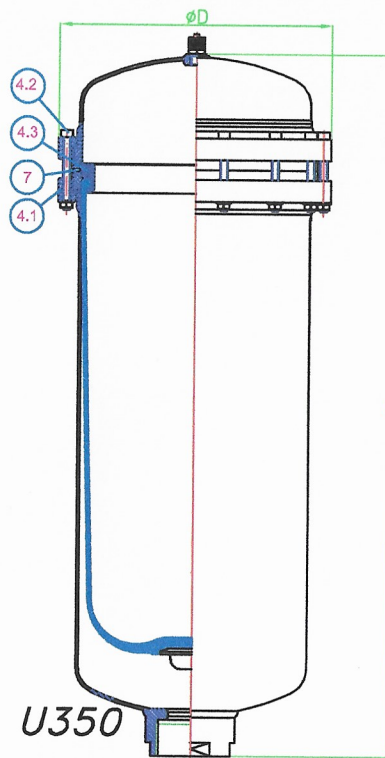
Hydraulic test pressure @ 1.5 * Design pressure @ 20°C
Wall thickness acc. to AD-2000 code



U000 to U003



U007 to U250



U350

H = MAXI. LENGTH OF THREAD CONNECTION

PULSATION DAMPER Reference	VOLUME (litres)	DESIGN PRESSURE (bar-g @50°C)	D (mm)	L (mm)	R (BSP)	H (mm)	WEIGHT (Kg)	K VALUE
U000	0.04	260	55	70	3/8"	14	0.8	2.5
U001	0.09			97			1.0	
U002	0.18	180	70	122	1/2"	16	1.8	3.0
U003	0.36			85			3.6	
U007	0.65	50	88	208	3/4"	20	2.5	3.5
U010	0.95	40	113	211		25	4.3	3.0
U015	1.50			256	4.6		3.5	
U030	2.60	30	140	305	1"	27		5.3
U040	3.80			405			5.7	
U060	5.60	40	167	420	1-1/2"	30	10.0	4.0
U100	10.40	30	217	432	2"		15.0	
U150	15.00			645			19.2	
U250	25.00	20	270	677	2-1/2"	30	26.0	4.0
U350	35.00			302			772	28.5

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 N ₂ 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

TOLERANCES:
External dimensions: ±3%
Volume: ±2.5% Weight: ±5%

Standard Bladder Rubbers: N=NBR, B=BUTYL, E=EPDM, V=FKM

(Other Rubbers: Neoprene, Hypalon, HNBR, etc.)	N	B	E	V
Rubbers Max. Working Temperatures (°C)	+80 -15	+100 -30	+130 -30	+200 -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

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 at the working temperature

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



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Customer

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Replaced Drg.N°

AV.AI.MP-BP.IN.DOC (Rev.23)

Drawn

E.Ponsa

Approved

Title S.S.MEDIUM & LOW PRESSURE

BLADDER PULSATION DAMPERS (standard units)

Drg.No

AV.AI.MP-BP.IN.DOC

Rev.

24

Date

Sep-19

Scale

none