

NOTE: Those pulsation dampener ought to be filed with gas at 80% of the working pressure. It shall be done at the working temperature. Can be done with compressed air if it is compatible with the liquid pumped. Use a tire inflating air tool. If need to be charged with N2, use our valve Ref. 004-AI (1/4" BSP) and our charging kit Ref. BVXXXA1TM.

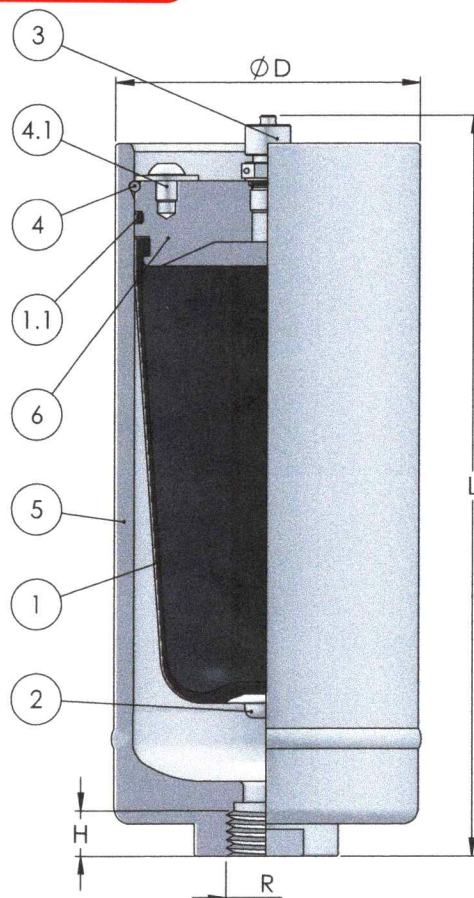
ATTENTION! THE SIZES WITH (*) ALWAYS MUST BE MOUNTED VERTICALLY (VALVE 3 ON TOP)

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

TOLERANCES: External dimentions: $\pm 3\%$ Volume: $\pm 2.5\%$ Weight: $\pm 5\%$

PROCHEM SERVICES

CORROSION RESISTANT FLUID HANDLING PRODUCTS

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Wall thickness acc. to EN14359 code
Hydrostatic test pressure @ 1.43 x Design pressure @ 20°C

PULSATION DAMPENER MODEL	VOLUME (liters)	DESIGN PRESSURE (bar-g @50°C)	D (mm)	L (mm)	R (BSP)	H (mm)	WEIGHT (kg)	K VALUE
U000A26X1-AI	0.04	260	55	90	3/8"	14	0.8	2.5
U001A26X1-AI	0.09			117			1.0	
U002A18X1-AI	0.18			180			70	
U003A18X1-AI	0.36	85	184		16	3.6		
U006A18X1-AI	0.65		264			5.2		
U010A11X1-AI	0.95		114	234		3/4"	6.0	
*U015A11X1-AI	1.50	278		6.8				
U030A11X1-AI	2.60	140		323	1"		10.5	
*U040A11X1-AI	3.80		426	12.2				
*U060A12X1-AI	5.60		120	167		451	1-1/2"	24.0
*U100A10X1-AI	10.40	100	217	474	2"	35	46.0	4.0
*U150A10X1-AI	15.00			684			52.5	
*U250A10X1-AI	27.00			731			2-1/2"	70.0

REFERENCE CODE IDENTIFICATION

Rubber bladder X = N (NBR), B (BUTYL), E (EPDM) or V (FKM)

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
 " " " " 150°C " " " x 0.75

Rubbers Max. Working Temperatures (°C)

N	B	E	V
+80 -15	+100 -30	+130 -30	+150 -20

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

Nº	ITEM	QT.	MATERIAL
1	BLADDER	1	NBR, EPDM, FKM & BUTYL
1.1	O-RING	1	NBR, EPDM, FKM & BUTYL
2	INSERT	1	AISI 316L
3	INFLATING N2 VALVE	1	AISI 316L (1/4" BSP)
4	RETAINING RING	1	AISI 316L
4.1	BOLT	1 to 4	ISO7380 A4-70
5	BODY	1	AISI 316L
6	COVER	1	AISI 316L

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