

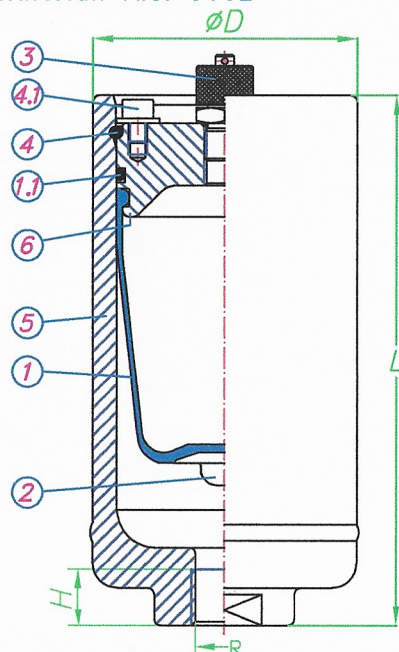
A26≡260bar
A18≡180bar
A12≡120bar
A11≡110bar
A10≡100bar

ORDER EXAMPLE: U007 A12 V 1 AI
Capacity: 0.65 litres
A12≡120bar
V= FKM Rubber Bladder
3/4" Standard Connection
Body & insert material: AISI 316L

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

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

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



H = MAXI. LENGTH OF THREAD CONNECTION

Standard Bladder Rubbers: N=NBR, B=BUTYL, E=EPDM, V=FKM (EPDM not available for U000)

(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

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

PULSATION DAMPER REF.	VOLUME (litres)	DESIGN PRESSURE (barg @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	168			3.6	
U007	0.65	120	88	205	3/4"	20	3.8	3.5
U010	0.95	110	114	200		25	6.0	3.0
U015	1.50			245	1"		6.8	3.5
U030	2.60		140	295	27	10.5	5.0	
U040	3.80			386		12.2		
U060	5.60	120	167	438	1-1/2"	35	24.0	4.0
U100	10.40	100	217	442	2"		46.0	
U150	15.00			625			52.5	
U250	25.00		270	691	2-1/2"		70.0	

6	COVER	1	AISI 316L
5	BODY	1	AISI 316L
4.1	BOLT	2	ISO7380 A4-70
4	RETAINING RING	1	DIN17224 (AISI 316)
3	FILLING 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

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

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

Those Pulsation Dampeners ought to be filled with gas at 80% of the working pressure. It shall be done at the working temperature.

NOTE: The precharge with gas or air must be done slowly and with our charging tool Ref. BVXXXA1TM

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Customer

Customer Ref.

Replaced Drg.N°

AV.AI.MP.IN.DOC (Rev.20)

Drawn

E.Ponsa

Approved

Title S.S.MEDIUM PRESSURE

BLADDER PULSATION DAMPERS (standard units)

Drg.No

AV.AI.MP.IN.DOC

Rev.

21

Date

Set-19

Scale

none