

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

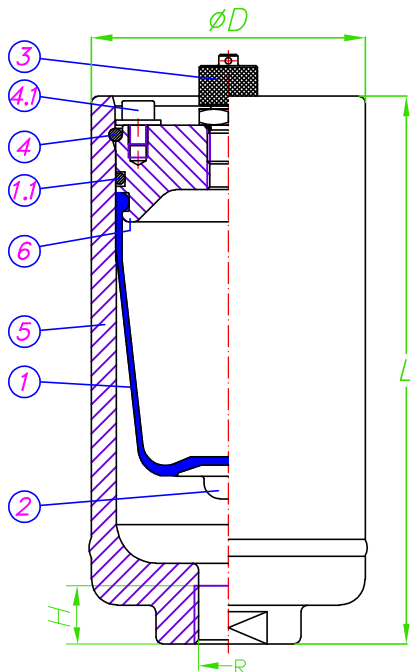
ORDER EXAMPLE: U007 A12 V 1 AI

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

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

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



H = MAXI. LENGTH OF THREAD CONNECTION

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							
U002	0.18	180	70	122	1/2"	16	1.8	3.0
U003	0.36							
U007	0.65	120	88	205	3/4"	20	3.8	3.5
U010	0.95							
U015	1.50	110	140	295	1"	27	10.5	3.5
U030	2.60							
U040	3.80	100	217	625	2"	35	24.0	4.0
U060	5.60							
U100	10.40	100	270	691	2-1/2"	35	52.5	5.0
U150	15.00							
U250	25.00							

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 <sub>2</sub> 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

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%

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

 <b>HIDRACAR SA</b> 08243 MANRESA (BARCELONA) SPAIN Phone: 34.93.8330252 E-mail: hidracar@hidracar.com	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