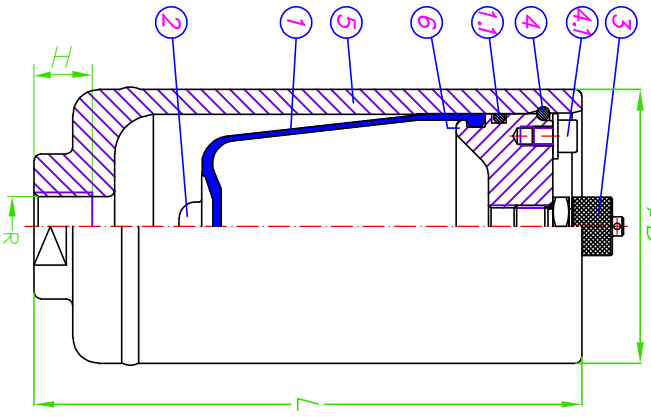


ORDER EXAMPLE: U007 A12 V 1 A1

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

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



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

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

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

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	
U003	0.36		85	168			3.6	3.0
U007	0.65	120	88	205		20	3.8	3.5
U010	0.95		114	200	3/4"	25	6.0	3.0
U015	1.50	110		245			6.8	3.5
U030	2.60			295	1"	27	10.5	
U040	3.80		140	386			12.2	5.0
U060	5.60	120	167	438	1-1/2"		24.0	
U100	10.40		217	442	2"	35	46.0	4.0
U150	15.00	100		625			52.5	5.0
U250	25.00		270	691	2-1/2"		70.0	4.0

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.)

Rubbers Max. Working Temperatures (°C)	N	B	E	V
+80	+100	+130	+200	
-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:
 External dimensions: ± 3%
 Volume: ± 2.5% Weight: ± 5%

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

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. BVXXA1TM

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

HIDRACAR SA
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 Phone: 34.93.8330252
 E-mail: hidracar@hidracar.com

Customer
 S.S.MEDIUM PRESSURE
 BLADDER PULSATION DAMPERS (standard units)

Customer Ref.
 Replaced Drg. N°
 AV.A1.MP.IN.DOC (Rev.20)

Drawn
 E.Ponsa
 Rev. 21
 Date Set-19
 Approved
 Scale none