

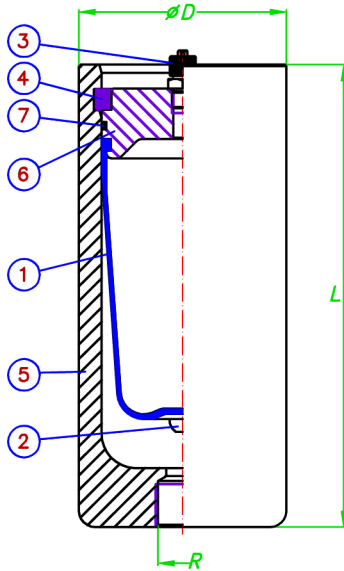
ORDER EXAMPLE: U007 A01 V 1 PP

Capacity: 0.65 litre
 A01≡10 bar
 V= FKM Rubber Bladder
 3/4" Standard Connection
 Body & insert material: Polypropylene

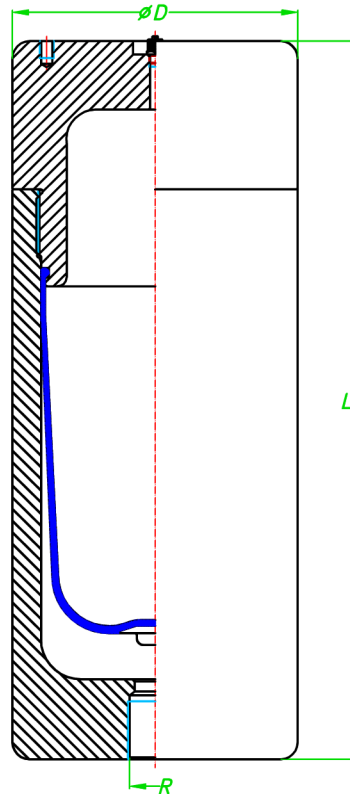
FOR HIGHER PRESSURES, SIZES, MATERIALS AND THREAD CONNECTIONS, PLEASE CONSULT

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

Wall thickness acc. to AD-2000 code



U001 to U100



U150 & U200

PULSATION DAMPER REF.	VOLUME (litres)	D (mm)	L (mm)	R (BSP)	WEIGHT (Kg)		K VALUE
					PC & PD	PP	
U001	0.09	60	105	3/8"	0.35	0.25	2.5
U002	0.18	80	135	1/2"	0.70	0.50	
U003	0.36	90	170	3/4"	1.20	0.80	3.0
U007	0.65	100	230		1.80	1.20	3.5
U010	0.95	130	245	1"	3.00	2.00	3.0
U015	1.50		295		3.50	2.40	3.5
U030	2.60	160	325		5.00	3.50	
U040	3.80		422	5.80	4.00	5.0	
U060	5.60	198	458	1-1/2"	13.00		9.00
U100	10.40	250	500	2"	20.40	14.00	4.0
U150	15.00		672		23.30	17.00	2.5
U200	20.00		880		27.70	21.00	3.0

MAX. WORKING PRESSURE: 10 bar-g

Note: The size U001 does not have an O-Ring (7)

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

WORKING LIMITS TEMPERATURES(°C): (-5°, +50°C for PVC & PP) (-10°, +70°C for PVDF)	(+) PC = PVC (+) PP = Polypropylene (+) PD = PVDF	MINIMUM SAFETY FACTOR: 4:1
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THE MAXI 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

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

NOTE: The precharge with gas or air must be done slowly and with our charging tool Ref. BVO10A1TM

7	"O"-RING	1	NBR, EPDM, FKM & BUTYL
6	COVER	1	(+) PP, PD or PC
5	BODY	1	(+) PP, PD or PC
4	RETAINING RING	1	(+) PP, PD or PC
3	INFLATING AIR VALVE	1	AISI 316L 1/4" BSP
2	INSERT (BUTTON)	1	(+) PP, PD or PC
1	BLADDER	1	NBR, EPDM, FKM & BUTYL
N°	DENOMINATION	QT.	MATERIALS

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



HIDRACAR SA
 08295 S.VTE. CASTELLET
 (BARCELONA) SPAIN
 TEL.34.93.8330252 FAX.34.93.8331950

Customer
 Title **PLASTIC PULSATION DAMPERS**
 (standard units)

Customer Ref.
 Replaced Drg.N°
 AV.PL.BP.IN.DOC(Rev.12)
 Drg.No
 AV.PL.BP.IN.DOC.

Drawn **E.Ponsa**
 Approved **M.Carcaré**
 Rev. **13**
 Date **Nov-14**
 Scale **none**