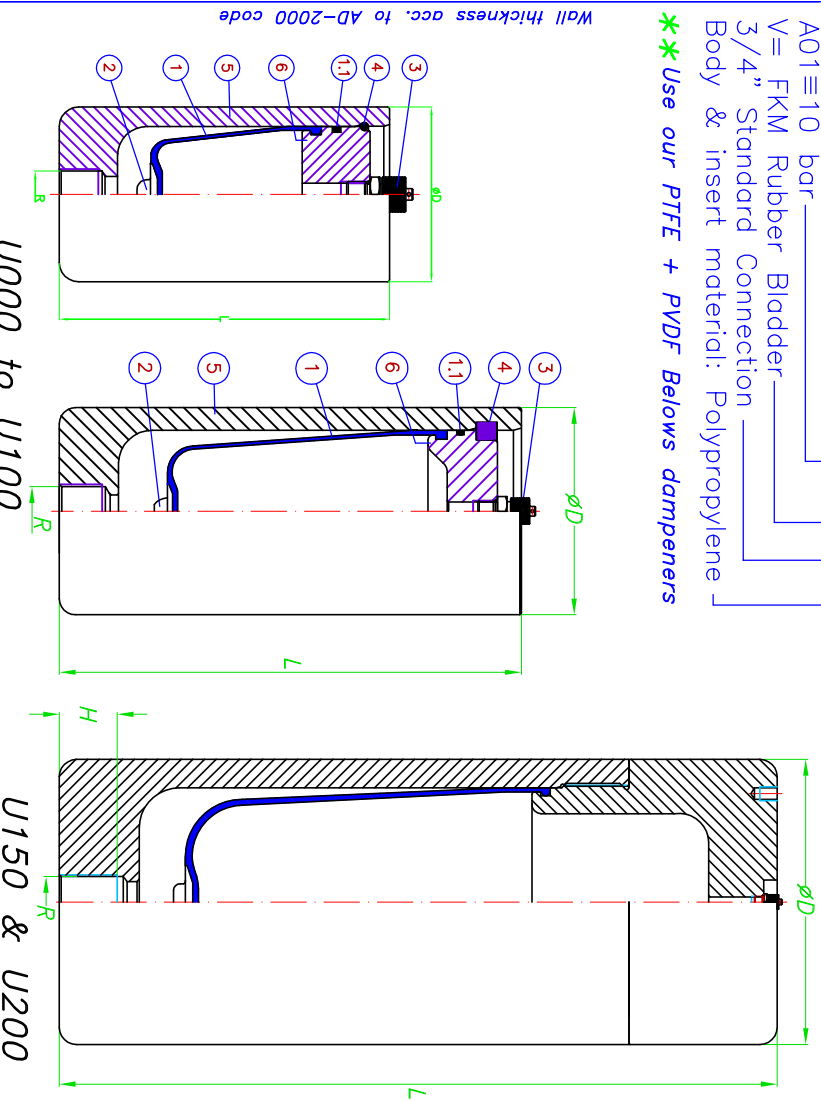


FOR HIGHER PRESSURES, SIZES, MATERIALS AND THREAD CONNECTIONS, PLEASE CONSULT

Value of "K": Maxi. Pressure ≤ K (@Constant Temp.)  
Filling gas Pressure

**ORDER REF. EXAMPLE:** U007 A01 V 1 PP  
 Capacity: 0.65 liter  
 A01 ≡ 10 bar  
 V = FKM Rubber Bladder  
 3/4" Standard Rubber Connection  
 Body & insert material: Polypropylene  
 \*\*\* Use our PTFE + PVDF Belows dampeners



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

PULSATION DAMPER REF.	VOLUME (litres)	D (mm)	L (mm)	R (BSP)	H (mm)	WEIGHT (Kg)			K VALUE
						PP	PC	PD	
U000	0.04	60	77	3/8"	16	0.23	0.30	0.37	
U001	0.09	60	102	3/8"	16	0.25	0.34	0.42	2.5
U002	0.18	80	140	1/2"	20	0.50	0.72	0.90	
U003	0.36	90	170	3/4"	20	0.68	1.03	1.26	3.0
U007	0.65	100	217	3/4"	24	1.05	1.50	1.84	3.5
U010	0.95	130	242	1"	26	1.86	2.80	3.76	3.0
U015	1.50	286	286			2.20	3.10	4.15	3.5
U030	2.60	160	324	1-1/2"	32	3.70	5.60	7.50	
* U040	3.80	420	420			4.60	6.60	8.30	
* U060	5.60	200	468			8.00	11.5	**	4.0
* U100	10.40	493	493	2"	50	12.4	18.4	**	
* U150	15.00	663	663			16.4	24.6	**	3.0
* U200	20.00	880	880			21.0	27.7	**	2.0
6 COVER				1	(+) PP, PD or PC				
5 BODY				1	(+) PP, PD or PC				
4 RETAINING RING				1	(+) PP, S.Steel or PD for PD dampeners				
3 FILLING (AIR or N <sub>2</sub> ) VALVE				1	AISI 316L 1/4" BSP				
2 INSERT				1	(+) PP, PD or PC (Not included in U000)				
1.1 "O"-RING				1	NBR, EPDM, FKM & BUTYL				
1 BLADDER				1	NBR, EPDM, FKM & BUTYL				
Nº DENOMINATION				QT.	MATERIALS				

MAX. WORKING PRESSURE FOR ALL SIZES: 10 bar-g

MINIMUM SAFETY FACTOR: 5:1 (Minimum Rupture pressure: 50 bar-g)

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

WORKING LIMITS TEMPERATURES(°C):

( 0 to +60°C for PVC & PP) (+) PC = PVC  
 (-15° to +70°C for PVDF) (+) PP = Polypropylene  
 (+) PD = PVDF

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. BVXXXA1TM

**HIDRACAR SA**  
 08243 MANRESA (BARCELONA) SPAIN  
 Phone: 34.93.8330252  
 E-mail: hidracar@hidracar.com

Customer  
 PLASTIC PULSATION DAMPERS  
 (standard units)

Customer Ref.  
 Replaced Drg. Nº  
 AV.PL.BP.IN.DOC ( Rev.19)

Drawn  
 E.Ponsa  
 M.Carcaré  
 Rev. 20  
 Date Feb-19  
 Scale none