

ORDER REF. EXAMPLE: U007 B 01 V 1 PP

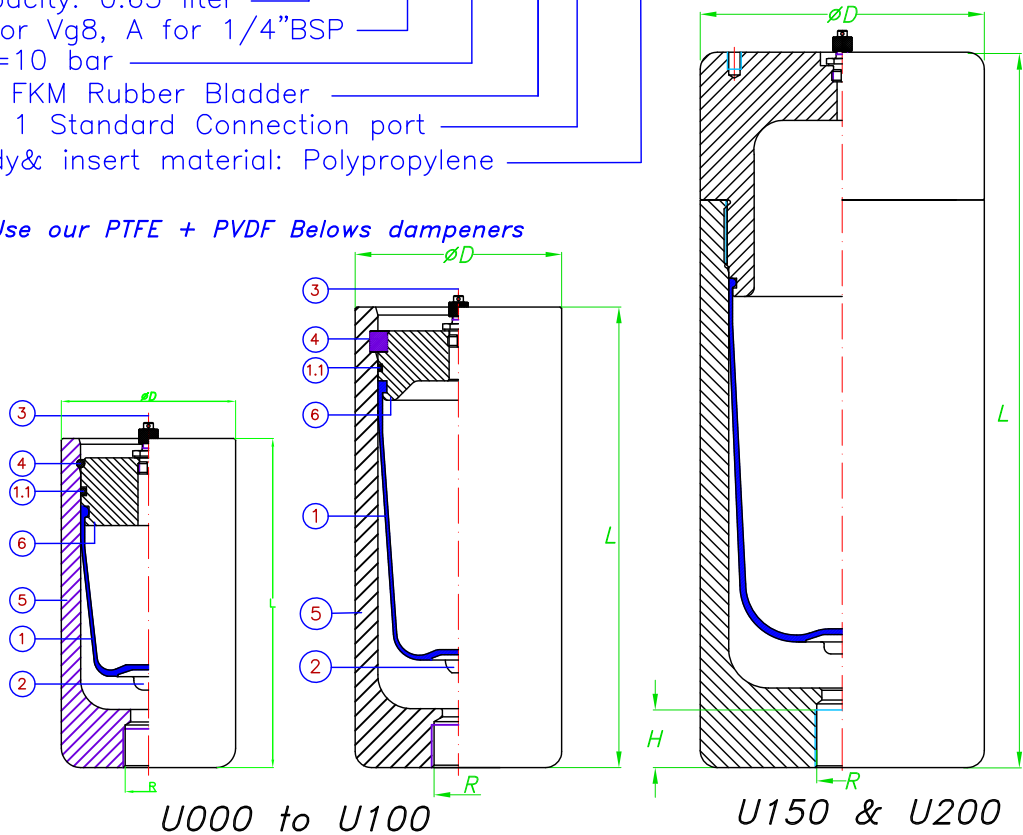
Capacity: 0.65 liter
 B for Vg8, A for 1/4" BSP
 01=10 bar
 V= FKM Rubber Bladder
 1= 1 Standard Connection port
 Body & insert material: Polypropylene

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

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

** Use our PTFE + PVDF Belows dampeners

Wall thickness acc. to AD-2000 code



TOLERANCES: External dimensions: ±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	2.5	
U001	0.09	60	102			0.25	0.34	0.42		
U002	0.18	80	140	1/2"	20	0.50	0.72	0.90	3.0	
U003	0.36	90	170	3/4"		0.68	1.03	1.26		
U007	0.65	100	217		1"	24	1.05	1.50	1.84	3.5
U010	0.95	130	242	26			1.86	2.80	3.76	
U015	1.50		286				2.20	3.10	4.15	
U030	2.60	160	324	32			3.70	5.60	7.50	
* U040	3.80		420		4.60	6.60	8.30			
* U060	5.60	200	468	1-1/2"	50	8.00	11.5	**	4.0	
* U100	10.40	250	493	2"		12.4	18.4	**		
* U150	15.00		663			16.4	24.6	**		
* U200	20.00	880			21.0	27.7	**	2.0		

H = MAXI. LENGTH OF THREAD CONNECTION

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):	(+) PC = PVC
(0 to +60°C for PVC & PP)	(+) PP = Polypropylene
(-15° to +70°C for PVDF)	(+) 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% working pressure. It shall be done at the working temperature.

NOTE: The precharge with N₂ or air must be done slowly and with our charging tool Ref. BVXXXA1TM connected to the 1/4" BSP charging valve

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

Customer
 Title PLASTIC PULSATION DAMPERS
 (standard units)

Customer Ref.
 Replaced Drg.N°
 AV.PL.BP.IN.DOC(Rev.20)

Drg.No
 AV.PL.BP.IN.DOC.

Drawn	Approved
E.Ponsa	M.Carcaré
Rev.	Date
21	June-21
	Scale
	none