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DATA SHEET  
 PLASTIC PULSATION DAMPENERS

REFERENCE:  
 AV.PL.BP.IN.DOC

REV:  
 22

DATE:  
 SEP-24

DRAWN  
 P.BASCOMPTA

APPROVED  
 E.CORTINA

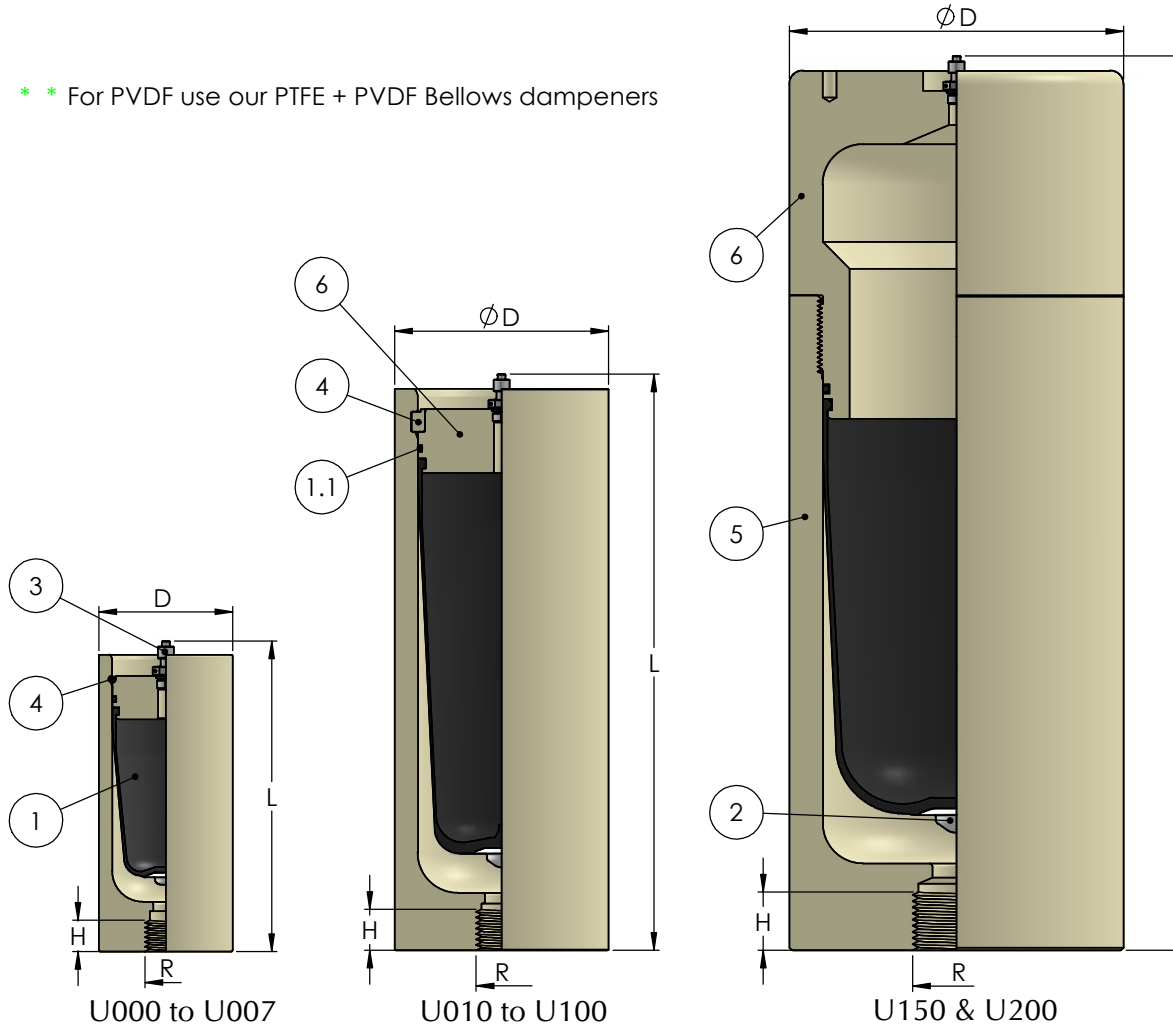
**NOTE:** Those pulsation dampener ought to be filed with gas at 80% of the working pressure. It shall be done at the working temperature. Can be done with compressed air if it is compatible with the liquid pumped. Use a tire inflating air tool. If need to be charged with N2, use our valve Ref. 004-AI (1/4" BSP) and our charging kit Ref. BVXXXA1TM.

ATTENTION! THE SIZES WITH (\*) ALWAYS MUST BE MOUNTED VERTICALLY (VALVE 3 ON TOP)

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

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

\* \* For PVDF use our PTFE + PVDF Bellows dampeners



Wall thickness acc. to EN14359 code  
 Hydrostatic test pressure @ 1.43 x Design pressure @ 20°C

PULSATION DAMPENER MODEL	VOLUME (liters)	D (mm)	L (mm)	R (BSP)	H (mm)	WEIGHT (kg)			K VALUE	
						PP	PC	PD		
U000X01X1-X	0.04	60	77	3/8"	16	0.23	0.30	0.37	2.5	
U001X01X1-X	0.09	60	102			0.25	0.34	0.42		
U002X01X1-X	0.18	80	140	1/2"	20	0.50	0.72	0.90		
U003X01X1-X	0.36	90	170	3/4"		0.68	1.03	1.26	3.0	
U007X01X1-X	0.65	100	217		1"	24	1.05	1.50	1.84	3.5
U010X01X1-X	0.95	130	242	26		32	1.86	2.80	3.76	3.0
*U015X01X1-X	1.50		286				2.20	3.10	4.15	3.5
U030X01X1-X	2.60	160	324	50	32	3.70	5.60	7.50		
*U040X01X1-X	3.80		420			4.60	6.60	8.30		
*U060X01X1-X	5.60	200	468	1-1/2"	50	8.00	11.5	**	4.0	
*U100X01X1-X	10.40	250	493	2"		12.4	18.4	**		
*U150X01X1-X	15.00		663		16.4	24.6	**	3.0		
*U200X01X1-X	20.00		880		21.0	27.7	**		2.0	

**REFERENCE CODE IDENTIFICATION**

Charging valve X = A (for a 1/4" BSP valve) or B (for a Vg8 valve)  
 Rubber bladder X = N (NBR) , B (BUTYL), E (EPDM) or V (FKM)  
 Body wet parts X = PP (Polypropylene), PC (PVC) or PD (PVDF)

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

**MINIMUM SAFETY FACTOR: 5:1 (minimum rupture pressure: 50 bar-g)**

**WORKING LIMITS TEMPERATURES(°C):** ( 0°C to +60°C for PVC & PP)  
 (-15°C to +70°C for PVDF)

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

Nº	ITEM	QT.	MATERIAL
1	BLADDER	1	NBR, EPDM, FKM & BUTYL
1.1	O-RING	1	NBR, EPDM, FKM & BUTYL
2	INSERT	1	PD (Not included in U000)
3	FILLING AIR VALVE	1	AISI 316L (1/4" BSP or Vg8)
4	RETAINING RING	1	PP or Stainless Steel
5	BODY	1	PP, PD or PC
6	COVER	1	PP, PD or PC

**FOR HIGHER PRESSURES, SIZES, MATERIALS AND THREADED CONNECTIONS, PLEASE CONSULT**