HIDRACAR S.A.	DATA SHEET PLASTIC PULSATION DAMPENERS	REFERENCE: AV.PL.BP.IN.DOC	REV: 25	DATE: DEC-25	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.

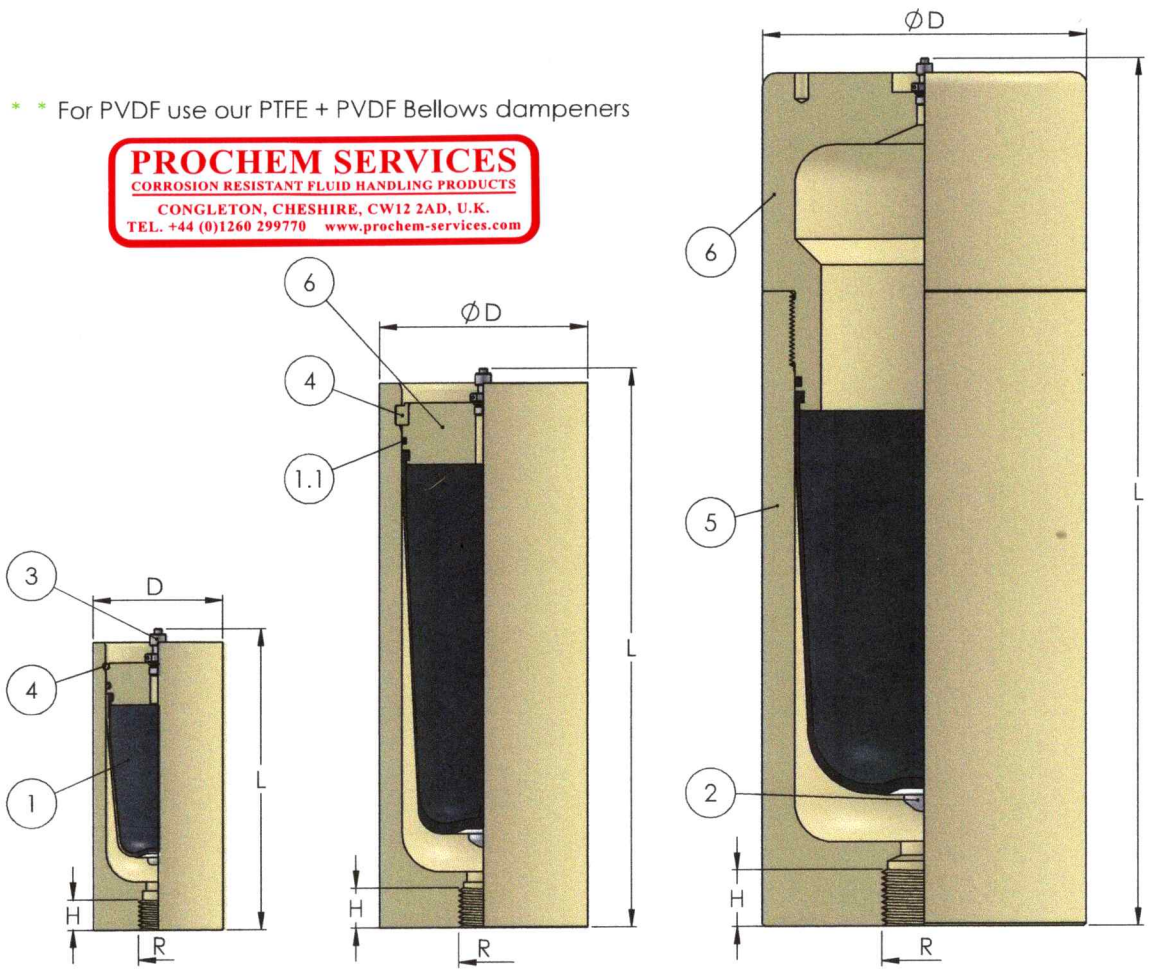
ATTENTION! THE SIZES WITH (*) ALWAYS MUST BE MOUNTED VERTICALLY (VALVE 3 ON TOP)

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

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

* * For PVDF use our PTFE + PVDF Bellows dampeners

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

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

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	97	3/8"	16	0.23	0.30	0.37	2.5
U001X01X1-X	0.09	60	122			0.25	0.34	0.42	
U002X01X1-X	0.18	80	156	1/2"	20	0.50	0.72	0.90	
U003X01X1-X	0.36	90	186	3/4"		0.68	1.03	1.26	3.0
U006X01X1-X	0.65		258			0.95	1.40	1.74	3.5
U010X01X1-X	0.95	130	253	1"	26	1.86	2.80	3.76	3.0
*U015X01X1-X	1.50		297			2.20	3.10	4.15	3.5
U030X01X1-X	2.60	160	334		32	3.70	5.60	7.50	
*U040X01X1-X	3.80		431			4.60	6.60	8.30	4.0
*U060X01X1-X	5.60	200	474	1-1/2"		8.00	11.5	* *	
*U100X01X1-X	10.40	250	491	2"	50	12.4	18.4	* *	
*U150X01X1-X	15.00		669			16.4	24.6	* *	3.0
*U200X01X1-X	20.00		892			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(ºC): (0ºC to +60ºC for PVC & PP)
(-15ºC to +70ºC 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	PTFE (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