

ORDER REF. EXAMPLE: U007 B 01 V 1 PP

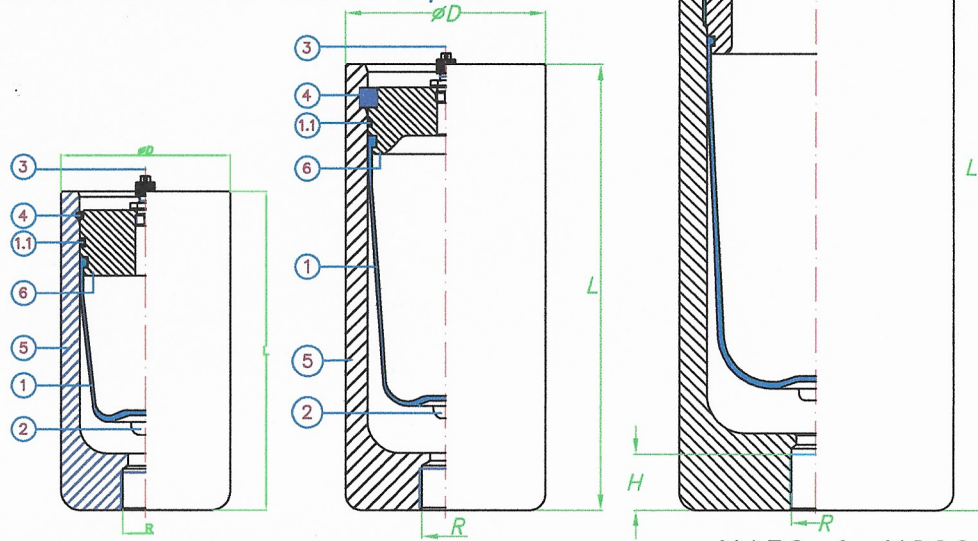
Capacity: 0.65 liter
 B for Vg8, A for 1/4" BSP
 01=10 bar
 V= FKM Rubber Bladder
 1= 1 Standard Connection port
 Body & insert material: Polypropylene

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



U000 to U100

U150 & U200

H = MAXI. LENGTH OF THREAD CONNECTION

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			0.68	1.03	1.26	
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	
U015	1.50		286	32	50			2.20	3.10
U030	2.60	160	324			3.70	5.60	7.50	
* U040	3.80		200	420	1-1/2"	50	4.60	6.60	8.30
* U060	5.60	468		8.00			11.5	**	
* U100	10.40	250	493	2"	50	12.4	18.4	**	3.0
* U150	15.00		663			16.4	24.6	**	
* U200	20.00	250	880	2"	50	21.0	27.7	**	2.0

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

6	COVER	1	(+) PP, PD or PC
5	BODY	1	(+) PP, PD or PC
4	RETAINING RING	1	(+) PP or stainless steel
3	FILLING AIR VALVE	1	AISI 316L (1/4" BSP or Vg8)
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
N°	DENOMINATION	QT.	MATERIALS

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

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

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
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Customer	Customer Ref.	Replaced Drg.N°	Drawn	Approved
		AV.PL.BP.IN.DOC(Rev.20)	E.Ponsa	M.Carcaré
Title		Drg.No	Rev.	Date
PLASTIC PULSATION DAMPERS (standard units)		AV.PL.BP.IN.DOC.	21	June-21
				Scale
				none