

ORDER REF. EXAMPLE: U007 B 01 V 1 PP

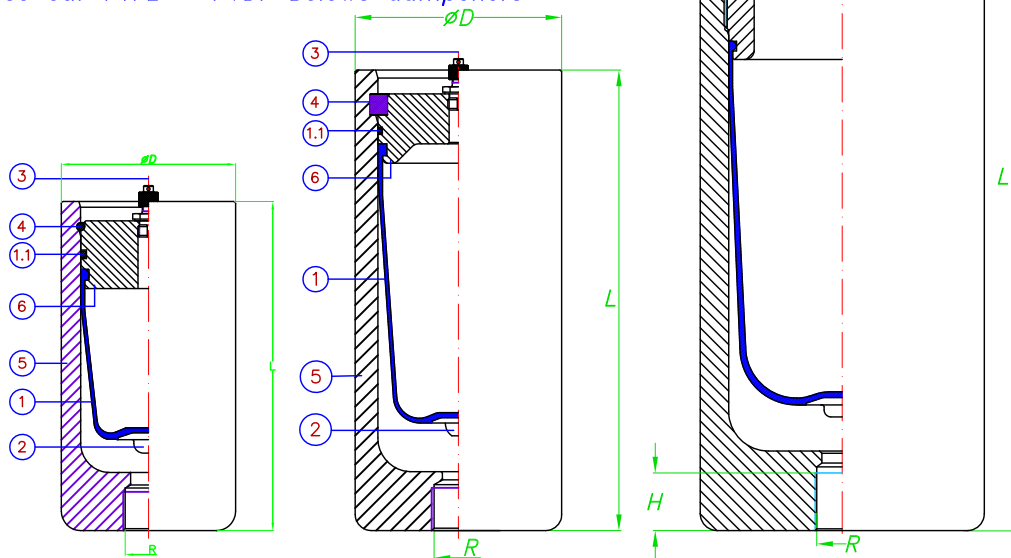
Capacity: 0.65 liter
B for Vg8, A for 1/4"BSP
01=10 bar
V= FKM Rubber Bladder
1= 1 Standard Connection port
Body& insert material: Polypropylene

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

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: $\pm 3\%$ Volume: $\pm 2.5\%$ Weight: $\pm 5\%$

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		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			2.20	3.10	4.15	3.5
U030	2.60	160	324		32	3.70	5.60	7.50	
* U040	3.80		420	1-1/2"		4.60	6.60	8.30	4.0
* U060	5.60	200	468	2"	50	8.00	11.5	**	
* U100	10.40	250	493			12.4	18.4	**	3.0
* U150	15.00		663			16.4	24.6	**	
* U200	20.00		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 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

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)
(-15° to +70°C for PVDF)

(+) PC = PVC
(+) 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% 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

Customer Ref.

Replaced Drg.N°

AV.PL.BP.IN.DOC(Rev.20)

Drawn

E.Ponsa

Approved

M.Carcaré

Title PLASTIC PULSATION DAMPERS
(standard units)

Drg.No

AV.PL.BP.IN.DOC.

Rev.

21

Date

June-21

Scale

none