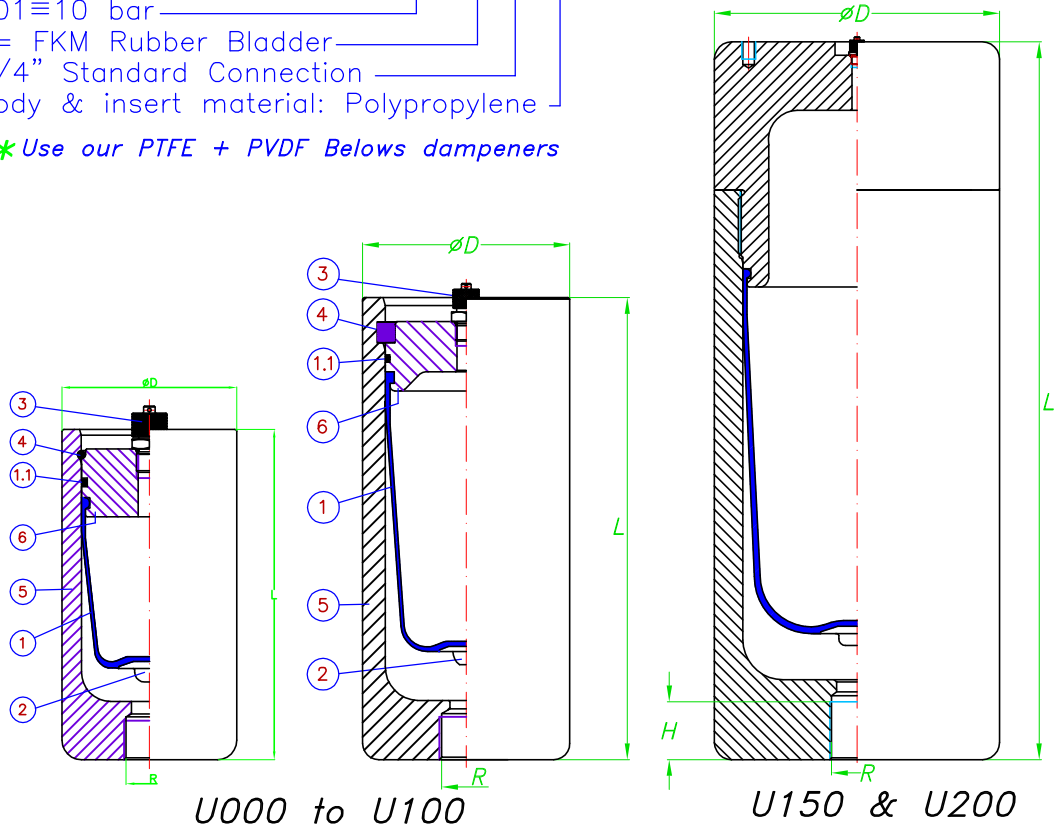


ORDER REF. EXAMPLE: U007 A01 V 1 PP

Capacity: 0.65 liter
 A01≡10 bar
 V= FKM Rubber Bladder
 3/4" Standard Connection
 Body & insert material: Polypropylene

** Use our PTFE + PVDF Belows dampeners

Wall thickness acc. to AD-2000 code



U000 to U100

U150 & U200

H = MAXI. LENGTH OF THREAD CONNECTION

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

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

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	
U015	1.50		286	32	50	2.20	3.10	4.15	3.5
U030	2.60	324	3.70			5.60	7.50		
* U040	3.80	160	420	1-1/2"	32	4.60	6.60	8.30	4.0
* U060	5.60	200	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		880			21.0	27.7	**	

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

6	COVER	1	(+) PP, PD or PC
5	BODY	1	(+) PP, PD or PC
4	RETAINING RING	1	(+) PP. S.Steel or PD for PD dampeners
3	FILLING (AIR or N ₂) VALVE	1	AISI 316L 1/4" BSP
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):
 (+) 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% of the working pressure. It shall be done at the working temperature.

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

NOTE: The precharge with gas or air must be done slowly and with our charging tool Ref. BVXXXA1TM

HIDRACAR SA
 08243 MANRESA (BARCELONA) SPAIN
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Customer
 Title PLASTIC PULSATION DAMPERS (standard units)

Customer Ref.
 Replaced Drg.N° AV.PL.BP.IN.DOC(Rev.19)
 Drg.No AV.PL.BP.IN.DOC.

Drawn E.Ponsa
 Rev. 20

Approved M.Carcaré
 Date Feb-19
 Scale none