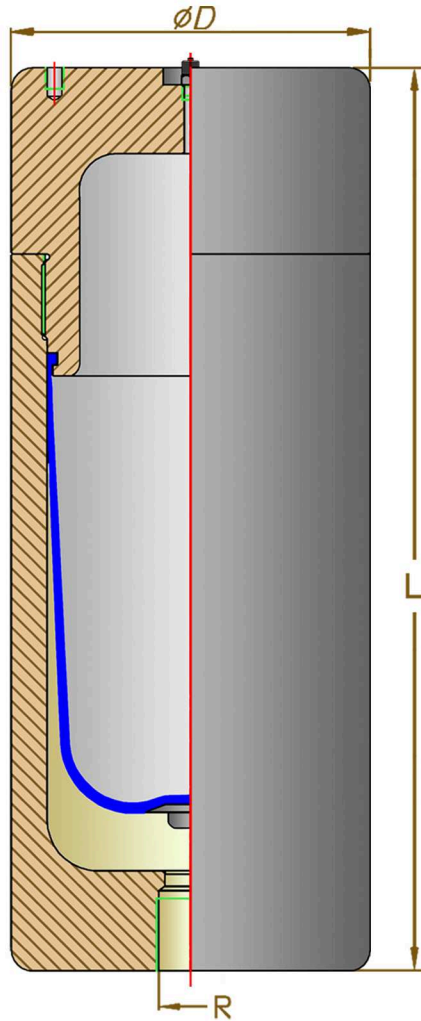




U150 to U200



Wall thickness according to AD-2000 code

FOR HIGHER PRESSURES, OTHER SIZES, MATERIALS AND CONNECTION THREAD GAUGES, PLEASE CONSULT

LIMIT WORKING TEMPERATURES:

Between -5 °C and +50 °C for PVC & polypropylene
Between -10 °C and +70 °C for PVDF

THE MAX. TEMPERATURE CAN GET REDUCED DEPENDING ON THE PROCESS LIQUID

These pulsation dampeners should be filled with gas at 80% of the working pressure and at the working temperature in order to stabilize the flow.

$$\text{Value of "K"} : \frac{\text{Max. pressure}}{\text{Gas filling pressure}} \leq K \text{ (@ constant temperature)}$$

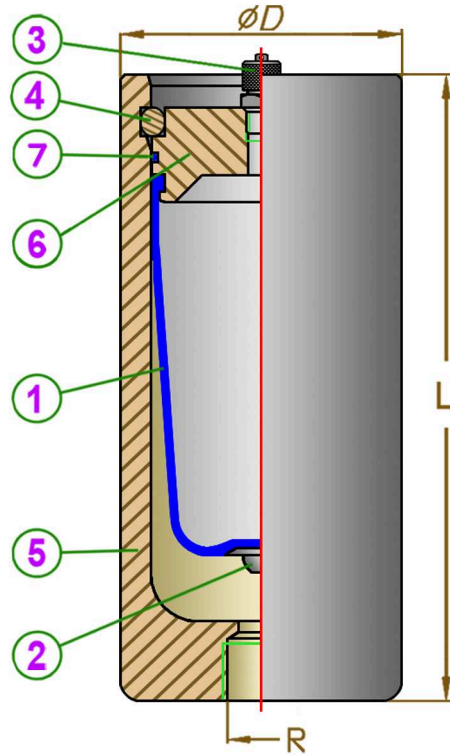
MINIMUM SAFETY FACTOR: 4:1

Note: The size U001 does not have an "o"-ring (7)

MAX. WORKING PRESSURE: 10 bar-g

Standard bladder rubbers:
N= NBR E= EPDM V= FKM
(other rubbers: Butyl, Hypalon, HNBR, etc...)

U001 to U100



TOLERANCES:

External dimensions: ±3%

Volume: ±2.5% Weight: ±5%

ORDER REFERENCE CODE EXAMPLE: U007 A01 V 1 PP

Capacity: 0.65 litres

A01 ≡ 10 bar

V = FKM rubber bladder

3/4" standard connection

Body and insert material: Polypropylene

PULSATION DAMPENER MODEL	VOLUME (litres)	D (mm)	L (mm)	R (BSP)	WEIGHT (kg)		K VALUE
					PC&PD	PP	
U001	0.09	60	105	3/8"	0.35	0.25	2.5
U002	0.18	80	135	1/2"	0.70	0.50	
U003	0.36	90	170	3/4"	1.20	0.80	3
U007	0.65	100	230		1.80	1.20	3.5
U010	0.95	130	245	1"	3.00	2.00	3
U015	1.50		295		3.50	2.40	3.5
U030	2.60	160	325		5.00	3.50	
U040	3.80		422	5.80	4.00	5	
U060	5.60	198	458	1 1/2"	13.0	9.00	4
U100	10.4	250	500	2"	20.4	14.0	
U150	15.0		672		23.3	17.0	2.5
U200	20.0	880	27.7		21.0	3	

7	"O" RING	1	NBR, EPDM, FKM and others
6	GAS LID	1	Polypropylene, PVC or PVDF
5	BODY	1	Polypropylene, PVC or PVDF
4	RETAINING RING	1	Polypropylene, PVC or PVDF
3	GAS CHARGING VALVE	1	AISI 316L (1/4" BSP)
2	INSERT (BUTTON)	1	Polypropylene, PVC or PVDF
1	BLADDER	1	NBR, EPDM, FKM and others
No.	DENOMINATION	QTY.	MATERIAL

ATTENTION!: MOUNT THE DAMPENER ALWAYS UPRIGHT (w/ #3 VALVE ON TOP)

IMPORTANT: The pre-charge with nitrogen gas or compressed air must be performed slowly and with the help of our charging tool (ref. BV010A1TM)

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Customer _____ Customer ref. _____
 Title **PLASTIC BLADDER TYPE PULSATION DAMPENERS (standard units)**

Replaces drawing AV.PL.BP.IN.DOC. (Rev. 12) Drawn by E.Ponsa Approved by M. Carcaré
 Drawing AV.PL.BP.IN.DOC. Rev. **13** Date Nov 2014 Scale N/A