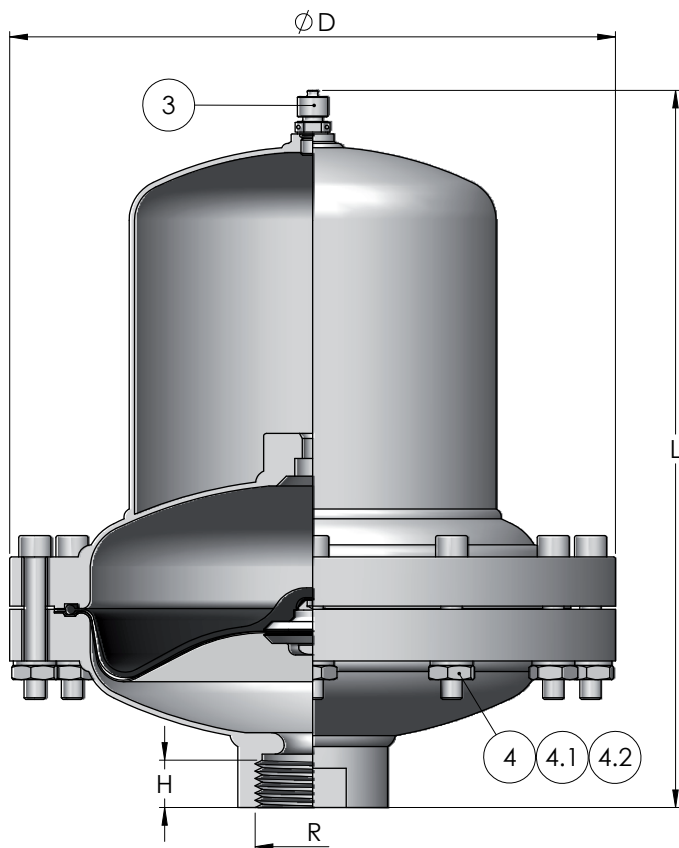
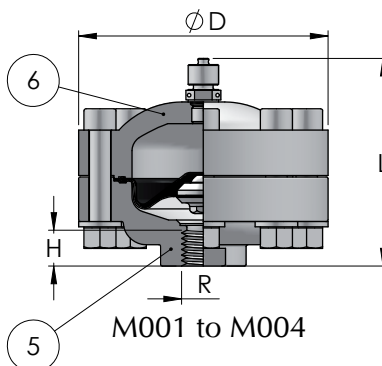
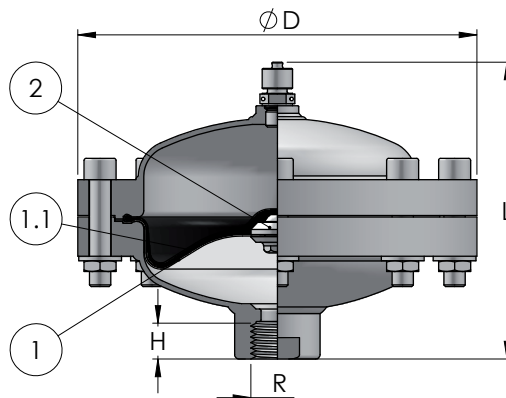


**HIDRACAR S.A.**Pol.Ind.Bufalvent C/Ramon Farguell 73-77  
08243 Manresa (Barcelona)- SpainT. +34 938 330 252  
hidracar@hidracar.com  
www.hidracar.com**DATA SHEET**  
**S.S PULSATION DAMPENER**  
**DOUBLE MEMBRANE**REFERENCE:  
AM.AI.BP.IN.DOC.REV:  
30DATE:  
NOV-24DRAWN  
P.BASCOMPTAAPPROVED  
E.CORTINA**NOTE:** Those pulsation dampener ought to be filed with gas at 90% 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. BVXXA1TM.

$$\text{Value of "K"} : \frac{\text{Maxi. Pressure}}{\text{Filling gas Pressure}} \leq 2 \text{ (@Constant Temp.)}$$

**\*\* In these models the value of "K"  $\leq$  1.5 (@Constant Temp.)****ATTENTION! ALWAYS MUST BE MOUNTED VERTICALLY (VALVE 3 ON TOP)**TOLERANCES: External dimentions:  $\pm 3\%$  Volume:  $\pm 2.5\%$  Weight:  $\pm 5\%$ **M040 & M100****M001 to M004****M008 to M030 & M060**Wall thickness acc. to EN14359 code  
Hydrostatic test pressure @ 1.43 x Design pressure @ 20°C

PULSATION DAMPENER MODEL	VOLUME (liters)	DESIGN PRESSURE (bar-g @ 50°C)	D (mm)	L (mm)	R (BSP)	H (mm)	WEIGHT (kg)
M001A15D1-AI	0.08	150	99	93	3/8"	16	1.7
M002A20D1-AI	0.2	200	140	116	1/2"	14	5.2
M004A10D1-AI	0.4	100	160	121		16	9.2
M008A05D1-AI	0.8	50	180	147	3/4"	20	4.7
M012A04D1-AI	1.2	34	224	167			7.5
M030A03D1-AI	2.8	25	289	188	1-1/2"	30	15.5
**M040A03D1-AI	4.0			273			17.0
M060A02D1-AI	5.6	20	340	213			2"
**M100A02D1-AI	10.0			403	26.0		

**WORKING LIMITS TEMPERATURES: -20°C to +200°C****Working Temperatures Versus Working Pressures**For a temperature of 80°C correspond design pressure x 0.87  
" " " " 200°C " " " " x 0.68**THE MAX. WORKING TEMPERATURE CAN BE REDUCED DEPENDING ON THE LIQUID IN CONTACT**

Nº	ITEM	QT.	MATERIAL
1	MEMBRANE	1	PTFE (TFM1705)
1.1	MEMBRANE	1	FKM
2	INSERT (button)	1	AISI 316L
3	INFLATING N2 VALVE	1	AISI 316L (1/4" BSP)
4	BOLTS	8 to 12	DIN 912 A4-70
4.1	WASHERS	8 to 12	DIN 125 A4-70
4.2	NUTS	8 to 12	DIN 934 A4-70
5	LOWER SHELL	1	AISI 316L
6	UPPER SHELL	1	AISI 316L

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