

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.

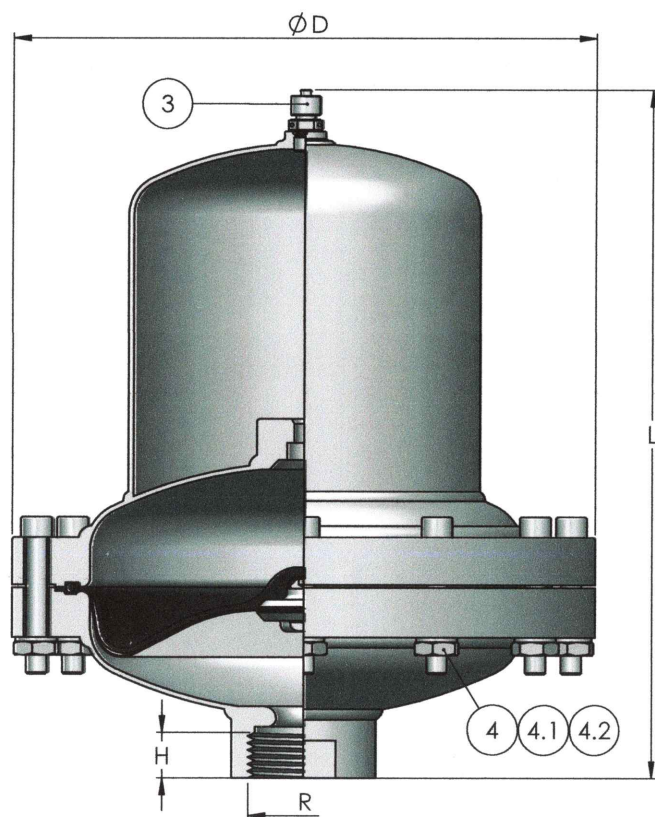
ATTENTION! ALWAYS MUST BE MOUNTED VERTICALLY (VALVE 3 ON TOP)

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

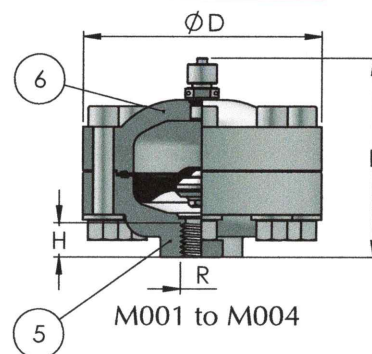
**** In these models the value of "K" ≤ 1.5 (@Constant Temp.)**

TOLERANCES: External dimentions: $\pm 3\%$
 Volume: $\pm 2.5\%$ Weight: $\pm 5\%$

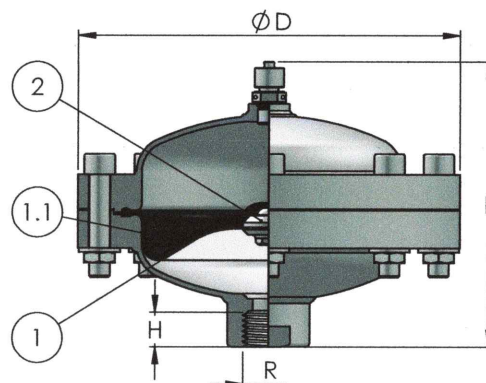
PROCHEM SERVICES
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M040 & M100



M001 to M004



M008 to M030 & M060

Wall thickness acc. to EN14359 code
 Hydrostatic test pressure @ $1.43 \times$ Design pressure @ 20°C

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

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"		24.5
** M100A02D1-AI	10.0			403		26.0	

WORKING LIMITS TEMPERATURES: -20°C to $+200^\circ\text{C}$

Working Temperatures Versus Working Pressures

For a temperature of 80°C correspond design pressure $\times 0.87$
 " " " " 200°C " " " $\times 0.68$

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