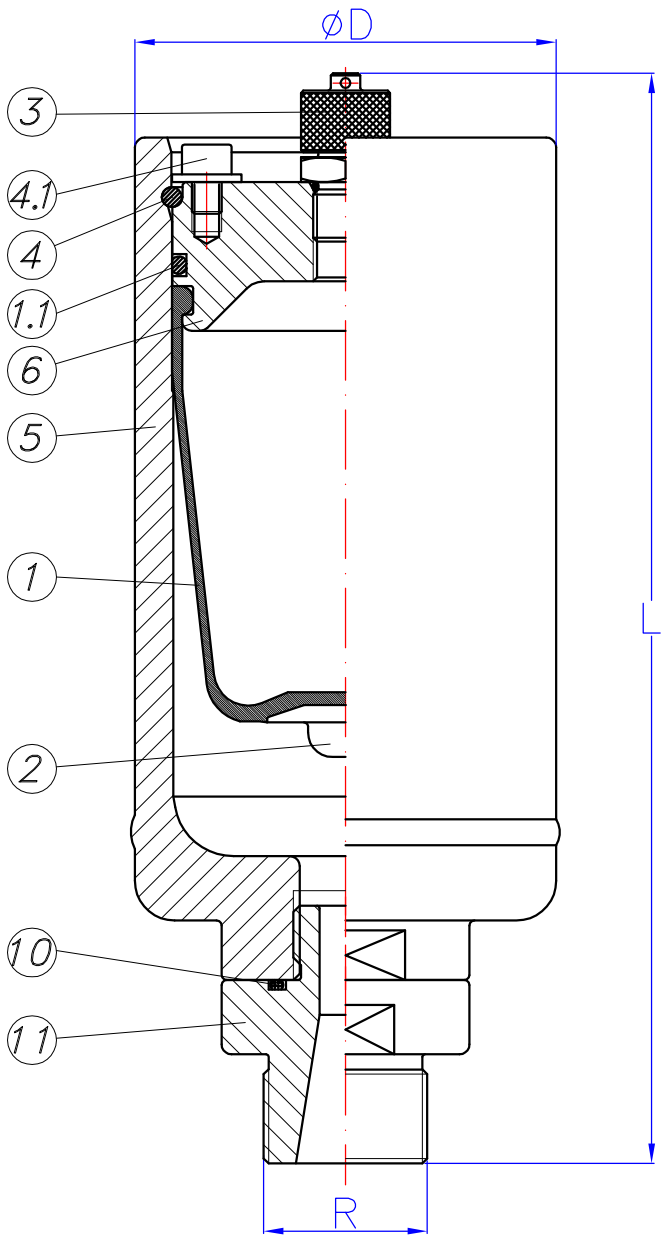

wall thickness calculation according to AD 2000 & ASME VIII Div.1 code

Note: $\frac{\text{Working Pressure}}{\text{Inflate gas Pressure}} \leq 3$ (@Constant Temp.)

WORKING TEMPERATURES VERSUS DESIGN PRESSURES			
FOR A TEMPERATURE OF	80°C	CORRESPOND THE DESIGN PRESS.x 0.87	
" " " "	130°C	"	" DESIGN PRESS. x 0,78
" " " "	200°C	"	" DESIGN PRESS. x 0,68

BLADDER RUBBER : N=NBR, E=EPDM, V=FKM	N	E	V
RUBBERS LIMIT WORKING TEMPERATURES (°C)	+80 −15	+130 −30	+200 −20

THE LIMIT WORKING TEMPERATURES VALUES CAN BE REDUCED DEPENDING UPON THE LIQUID IN CONTACT AND TIME OPERATION

PULSATION DAMPER Reference	VOLUME (litres)	DESIGN PRESSURE (Bar@20°C)	D (mm)	L (mm)	R (M)	WEIGHT (Kg)	H (mm)
U003	0.36	240	80	220	33x1,5	4,9	–

No	DENOMINATION	QT.	MATERIALS
11	ADAPTOR	1	S355J2
10	'O' RING	1	NBR
6	GAS COVER	1	S355J2
5	BODY	1	E355
4.1	BOLT	3	ISO7380 A4−70
4	RETAINING RING	1	DIN17224(AISI 316)
3	CHARGING VALVE	1	C−45 (1/4" BSP)
2	INSERT	1	S355J2
1.1	'O' RING	1	NBR
1	BLADDER	1	NBR

TOLERANCES:
EXTERNAL DIMENTIONS: ± 2 %
VOLUME: + 1.5% /WEIGHT: ±4%

The pulsation damper must be precharged at 0,8 of the working pressure and at the working temperature.
The precharge must be done with N2 or compressed air slowly and with our tool Ref. BVXXXA1TM. The position ought to be vertical: valve (3) on top

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Customer	Customer Ref.	Drawn	Approved
		JOAN FONT	E.PONSA

Title	Drg.No	Rev.	Date	Scale
CS MEDIUM PRESSURE PULSATION DAMPER	U003A24N1−AC		15.01.19	