A02≡20bar
A03≡30bar
A04≡40bar
A05≡50bar
A18≡180bar
A26≡260bar

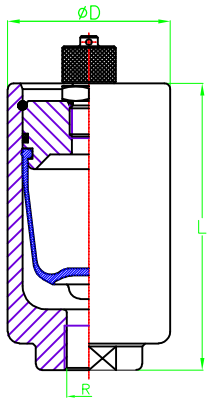
ORDER EXAMPLE: U015 A04 B 1 AI

- Capacity: 1.5 litres
- A04≡40bar
- B= BUTYL Rubber Bladder
- 3/4" Standard Connection
- Body & insert material: AISI 316L

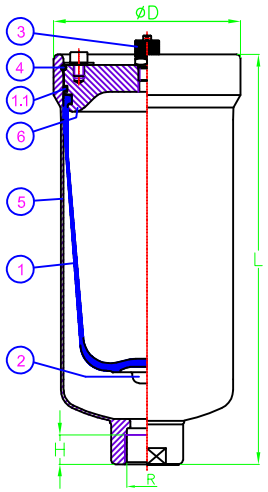
FOR HIGHER PRESSURES, SIZES, MATERIALS AND THREAD CONNECTIONS, PLEASE CONSULT

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

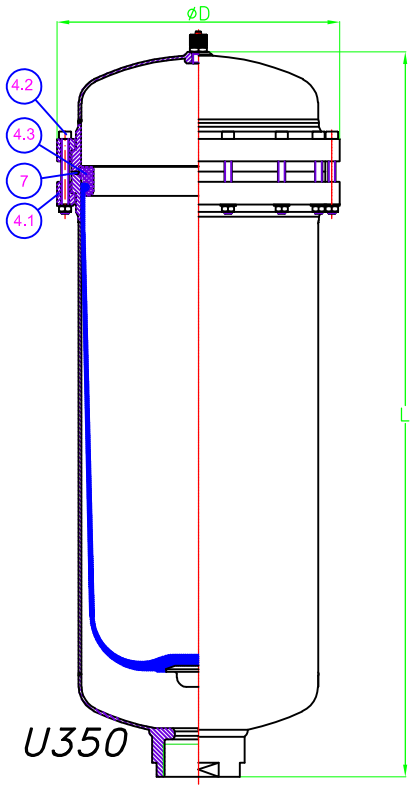
PULSATION DAMPER Reference	VOLUME (litres)	DESIGN PRESSURE (bar-g @50°C)	D (mm)	L (mm)	R (BSP)	H (mm)	WEIGHT (Kg)	K VALUE
U000	0.04	260	55	70	3/8"	14	0.8	2.5
U001	0.09			97			1.0	
U002	0.18	180		122	1/2"		1.8	
U003	0.36		85	168		16	3.6	3.0
U007	0.65	50	88	208	3/4"	20	2.5	3.5
U010	0.95	40	113	211		25	4.3	3.0
U015	1.50			256			4.6	3.5
U030	2.60	30	140	305	1"	27	5.3	
U040	3.80			405			5.7	5.0
U060	5.60	40	167	420	1-1/2"	30	10.0	
U100	10.40	30	217	432	2"		15.0	4.0
U150	15.00			645			19.2	5.0
U250	25.00	20	270	677	2-1/2"		26.0	4.0
U350	35.00		302	772			28.5	2.2



U000 to U003



U007 to U250



U350

H = MAXI. LENGTH OF THREAD CONNECTION

Wall thickness acc. to AD-2000 code

Hydrostatic test pressure @ 1.5 * Design pressure @ 20°C

No	DENOMINATION	QT.	MATERIALS
7	"O" RING	1	NBR, BUTYL, EPDM & FKM
6	COVER	1	AISI 316L
5	BODY	1	AISI 316L
4.3	RETAINING RING	1	AISI 316
4.2	BOLTS & NUTS	14	DIN 912 & 934 A4-70
4.1	RETAINING RING	2	AISI 316L
4	RETAINING RING	1	DIN17224 (AISI 316)
3	INFLATING N_2 VALVE	1	AISI 316L (1/4" BSP)
2	INSERT	1	AISI 316L
1.1	"O" RING	1	NBR, BUTYL, EPDM & FKM
1	BLADDER	1	NBR, BUTYL, EPDM & FKM

Standard Bladder Rubbers: N=NBR, B=BUTYL, E=EPDM, V=FKM

(Other Rubbers: Neoprene, Hypalon, HNBR, etc.)	N	B	E	V
Rubbers Max. Working Temperatures (°C)	+80 −15	+100 −30	+130 −30	+200 −20

TOLERANCES: External dimentions: ±3% Volume:±2.5% Weigh:±5%

Working Temperatures versus Working Pressures **

For a temperature of 80°C correspond design pressure x 0.87
" " " " 100°C " " " x 0.82
" " " " 130°C " " " x 0.78
" " " " 200°C " " " x 0.68

THE MAX. WORKING TEMPERATURE CAN BE REDUCED DEPENDING ON THE LIQUID IN CONTACT

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

Those Pulsation Dampeners ought to be filled with gas at a value of 0.80x the pressure to stabilize and that at the working temperature

NOTE: The precharge with gas or air must be done slowly and with our charging tool Ref. BV160A1TM

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Customer	Customer Ref.	Replaced Drg.N°	Drawn	Approved
		AV.AI.MP-BP.IN.DOC (Rev.23)	E.Ponsa	

Title	Drg.No	Rev.	Date	Scale
S.S.MEDIUM & LOW PRESSURE BLADDER PULSATION DAMPERS (standard units)	AV.AI.MP-BP.IN.DOC	24	Sep-19	none