HIDRACAR S.A.
Pol.Ind.Bufalvent C/Ramon Farguell 73-77
08243 Manresa (Barcelona)- Spain
T. +34 938 330 252
hidracar@hidracar.com
www.hidracar.com

DATA SHEET	REFERENCE:	REV:	DATE:	DRAWN	APPROVED
S.S. & PLASTIC BELLOWS ACTIVE DAMPENERS	AFT.ACT.AI.PL.IN.DOC	00	FEB-25	P.BASCOMPTA	E.CORTINA

The ACTIVE pulsation dampener with automatic precharge adjustment is ideal for AODD pumps and variable pressure requirement. Available in bellows (F series) or membrane (M series) dampeners, it is automatically precharged based on working pressure conditions, ensuring efficient and reliable performance.

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

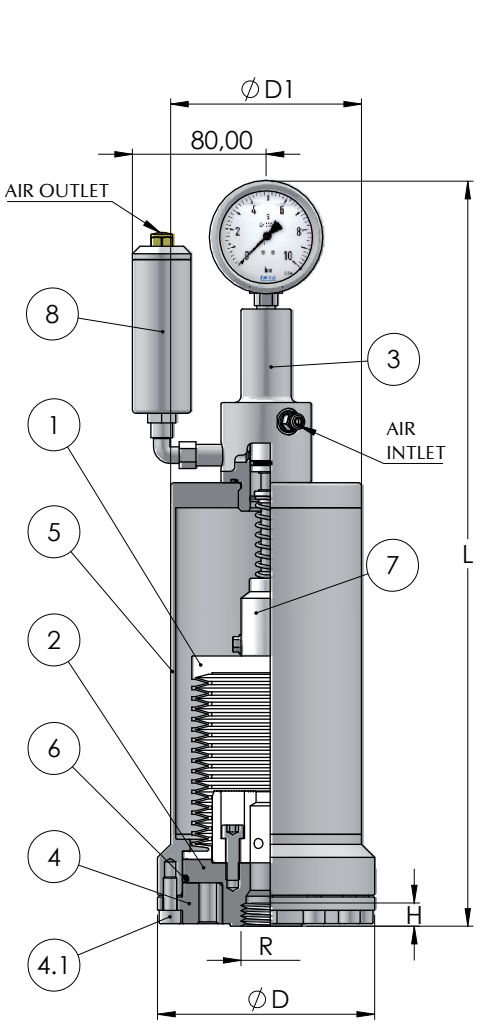

Fig S

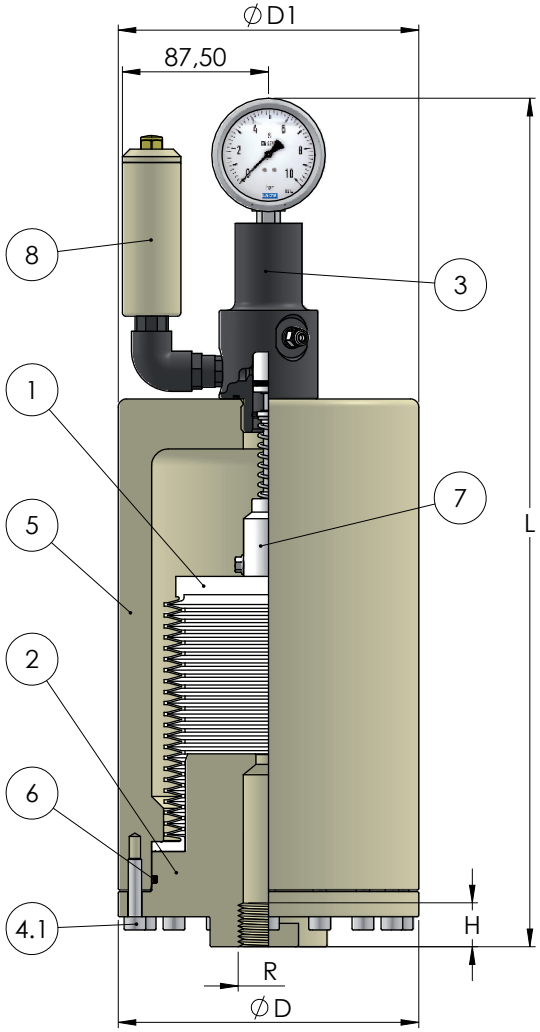

Fig P

Wall thickness acc. to EN14359 code
Hydrostatic test pressure @ 1.43 x Design pressure @ 20ºC

FOR HIGHER PRESSURES, TEMPERATURES AND OTHER CONNECTIONS PORTS, PLEASE CONSULT.

PULSATION DAMPENER MODEL	VOLUME	DESIGN PRESSURE (bar-g @-40/200ºC)	D (mm)	D1 (mm)	L (mm)	R (BSP)	H (mm)	WEIGHT (kg)
STAINLESS STEEL BODY								
F007A06T1-AI-ACT	0.70	20	105	89	411	3/4"	24	6.1
F015A05T1-AI-ACT	1.50		130	114	445		25	8.6
F030A04T1-AI-ACT	2.60		170	156	453	1"		12.6
F040A04T1-AI-ACT	3.80				515			13.0
F060A04T1-AI-ACT	5.60				655			14.3
F100A03T1-AI-ACT	10.00		250	206	647	2"	35	26.0
PULSATION DAMPENER MODEL	**VOLUME**	**DESIGN PRESSURE (bar-g @ 0/60ºC)**	**D (mm)**	**D1 (mm)**	**L (mm)**	**R (BSP)**	**H (mm)**	**WEIGHT (kg)**
PLASTIC BODY								
F007A01T1-PP-ACT	0.70	10	114	100	425	3/4"	22	-
F015A01T1-PP-ACT	1.50		140	140	452	1"	28	6.8
F030A01T1-PP-ACT	2.60		180	180	504			-
F040A01T1-PP-ACT	3.80				595			-
F060A01T1-PP-ACT	5.60				670			-
F100A01T1-PP-ACT	10.00		250	250	703	2"	35	14.0

Fig S. WORKING LIMIT TEMPERATURES FOR STAINLESS STEEL BELLOWS DAMPENERS: -40 / +200ºC
Fig P. WORKING LIMIT TEMPERATURES FOR PLASTIC BELLOWS DAMPENERS: 0 / +60ºC

Nº	ITEM	QT.	MATERIAL	
			SS	PLASTIC
1	BELLOWS	1	PTFE (TFM1705)	PTFE (TFM1705)
2	NOZZLE	1	AISI 316L	PP/PVC/PVDF or PTFE
3	ACTIVE VALVE	1	AISI 316L	PVC
4	RETAINING NUT	1	AISI 316L	-
4.1	BOLTS	7 to 16	DIN 912 A4-70	DIN 912 A4-70
5	BODY	1	AISI 316L	PP
6	SEAL GASKET	1	SILICONE	SILICONE
7	ACTIVE KIT	1	PTFE, AISI 316L & NBR	PTFE, AISI 316L & NBR
8	LIQUID RETENTION VALVE	1	AISI 316L	PP