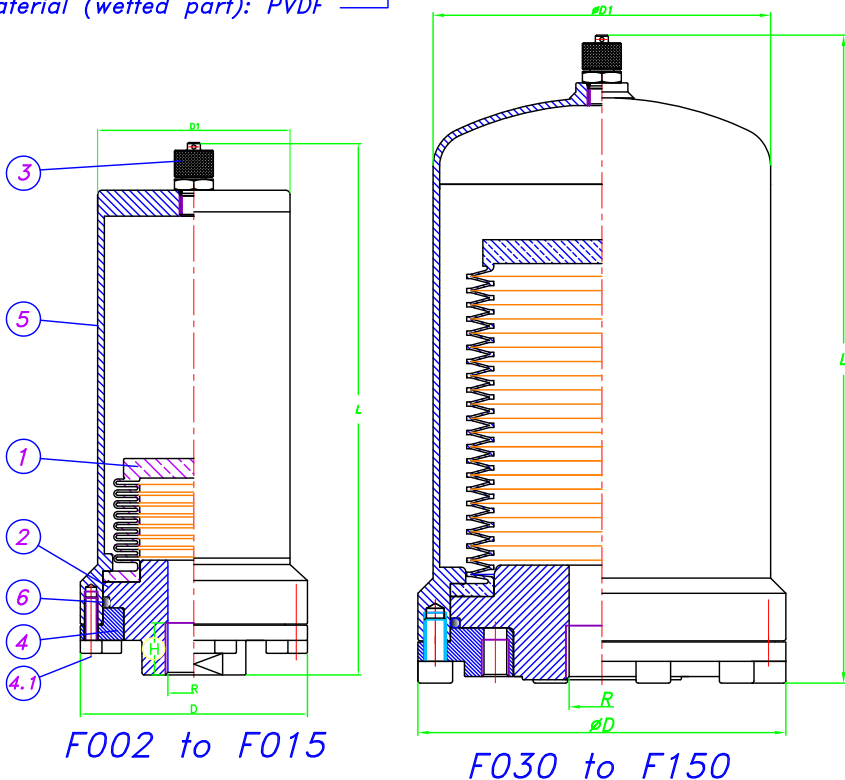


ORDER EXAMPLE: F030 A02 T 1 AI/PD

Capacity: 2.6 litres  
 A02=20bar  
 T= PTFE Bellows  
 1" Standard Connection  
 Body & nozzle material: AISI 316L  
 Nozzle material (wetted part): PVDF

MAX. WORKING PRESSURE < K  
 FILLING GAS PRESSURE



Wall thickness acc. to AD-2000 code  
 All parts in contact with fluid made in PVDF, PTFE, PVC or PE  
 Hydraulic test pressure @ 1.5 \* Design pressure @ 20°C

PULSATION DAMPER MODEL	MAXI. ΔV ADMITTED (c.c.) **	VOLUME (litres)	D (mm)	D 1 (mm)	L (mm)	R (BSP)	H (mm)	WEIGHT (Kg.)	K VALUE
F002	12	0.15	71	60	178	1/2"	16	1.4	1.2
F003	20	0.30	84	64	234			2.2	
F007	80	0.70	105	89	250	3/4"	25	4.1	
F015	450	1.50	130	114	254			5.6	1.6
F030	950	2.60	170	156	295	1"	27	10.6	1.8
F040	1000	3.80			350			11.0	
F060	850	5.60			475			12.3	1.3
F100	2400	10.00			206	441	24.0	1.5	
F150	2900	15.00				610	26.0	1.4	

6	SEAL GASKET	1	SILICONE
5	BODY	1	AISI 316L
4.1	BOLTS	7 to 10	DIN 912 A4-70
4	RETAINING NUT	1	AISI 316L
3	FILLING N <sub>2</sub> VALVE	1	AISI 316L (1/4" BSP)
2	NOZZLE	1	(+) PTFE, PE, PVC, PVDF
1	BELLOWS	1	PTFE
N°	DENOMINATION	QT.	MATERIALS

H = MAXI. LENHTH OF THREAD CONNECTION

Working Temperatures versus Working Pressures  
 For a temperature of 100°C correspond design pressure x 0.82  
 " " " " " 150°C " " " " x 0.75

WORKING LIMITS TEMPERATURES(°C):	(+) Polyethylene= PE	MAX.WORKING PRESSURE: 20 bar-g
( 0° / +60°C for PVC)	(+) PVC = PC	
( -15° / +70°C for PVDF & PE)	(+) PVDF = PD	
(-40° / 200°C for PTFE)	(+) PTFE = TF	

THE MAXI TEMPERATURE CAN BE REDUCED DEPENDING ON THE LIQUID IN CONTACT

Those Pulsation Dampeners ought to be filled with gas at a value of 0.90x the pressure to stabilize and that at the working temperature

TOLERANCES:  
 External dimensions: ± 3%  
 Volume: ± Weight: ± 5%

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

\*\* ΔV ≥ C/2 for a single head pump  
 ΔV ≥ C/5 for a duplex heads pump  
 ΔV ≥ C/12 for a three heads pump

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

**HIDRACAR SA**  
 08243 MANRESA (BARCELONA) SPAIN  
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 E-mail: hidracar@hidracar.com

Customer  
 Title PULSATION DAMPER WITH PTFE BELLOWS, SS BODY  
 (All parts in contact with liquid in PTFE and Stainless Steel)

Customer Ref.  
 Replaced Drg.N°  
 AFT.AI.BP.IN.PL.DOC (Rev.19)  
 Drg.No  
 AFT.AI.BP.IN.PL.DOC

Drawn  
 E.Ponsa  
 Rev.  
 23

Approved  
 M.Carcaré  
 Date  
 Mar-21  
 Scale  
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