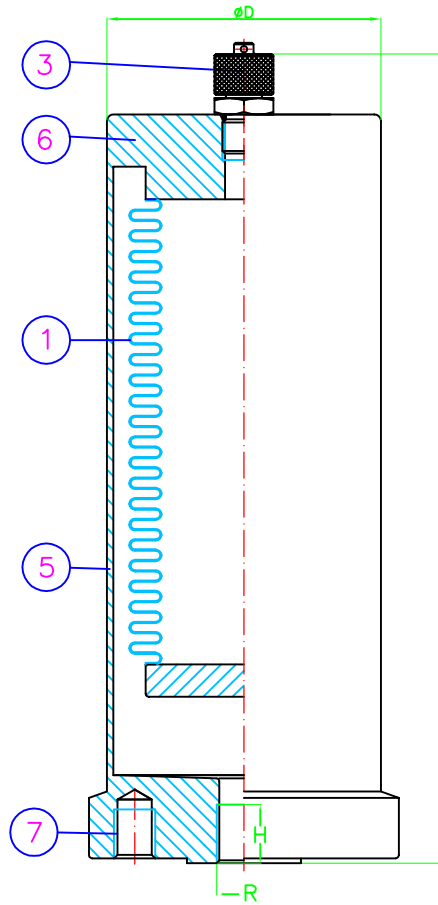


ORDER EXAMPLE: F030 A03 I 1 AI

Capacity: 2.4 litres  
 A03=30bar  
 AISI 316Ti Bellows  
 1" Standard Connection  
 Body material: AISI 316L

Wall thickness acc. to AD-2000 code  
 ASME "U" certificate 56.636. Consult for MAWP according SEC. VIII, DIV. 1  
 Hydrostatic test pressure @ 1.5 \* Design pressure @ 20°C



H = MAXI. LENGTH OF THREAD CONNECTION

PULSATION DAMPER MODEL	MAXI. dV ADMITED (c.c.) **	VOLUME (litres)	DESIGN PRESSURE (bar-g)	D (mm)	L (mm)	R (BSP)	FLANGE DN	H (mm)	WEIGHT (Kg)
F007	168	0.70	50	70	178	1/2"	1/2"	16	1.4
F015	418	1.45	40	88	250	3/4"	3/4"	25	4.1
F030	800	2.40	30	104	254	1"	1"	27	6.6
F040	1200	3.70							
F060	1850	6.00	40	156	350	1-1/2"	1-1/2"	35	11.0
F100	3500	10.20	30	206	441	2"	2"		12.3
F150	4400	15.00							475

Precharge pressure ≤ 16 bar-g @ 20°C (\*)

(\*) Precharge pressure limited by the separator element (bellows).

For higher pressures and for (\*\*\*) variable working pressures and/or temperatures, HIDRACAR has special designs. Please consult.

7	INTEGRATED FLANGE (OPTIONAL)	1	ANSI B16.5 #300
6	GAS COVER	1	AISI 316L
5	BODY	1	AISI 316L
3	FILLING N <sub>2</sub> VALVE	1	AISI 316L (1/4" BSP)
1	BELLOWS	1	AISI 316 Ti
N°	DENOMINATION	QT.	MATERIALS

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

\*\* ΔV ≥ C/2 for a single head pump ( "C"=Head pump volume)

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 tool Ref. BVXXXA1TM

For a temperature of 100°C correspond design pressure x 0.82  
 " " " " 200°C " " " x 0.68  
 " " " " 300°C " " " x 0.59

WORKING LIMITS TEMPERATURES(°C): -50° / +300°C

Those Pulsation Dampers ought to be filled with gas at 90% of the working pressure. It shall be done at the working temperature.

TOLEANCES:  
 External dimensions: ± 3%  
 Volume: ± 2.5% Weight: ± 5%



**HIDRACAR SA**  
 08243 MANRESA (BARCELONA) SPAIN  
 Phone: 34.93.8330252  
 E-mail: hidracar@hidracar.com

Customer

Title PULSATION DAMPER WITH SS BELLOWS & BODY

Customer Ref.

Replaced Drg.N°

Drg.No  
 AFI.AI.BP.IN.DOC

Drawn

E.Ponsa

Rev. 3

Approved

M.Carcaré

Date Scale

Mar-21 -