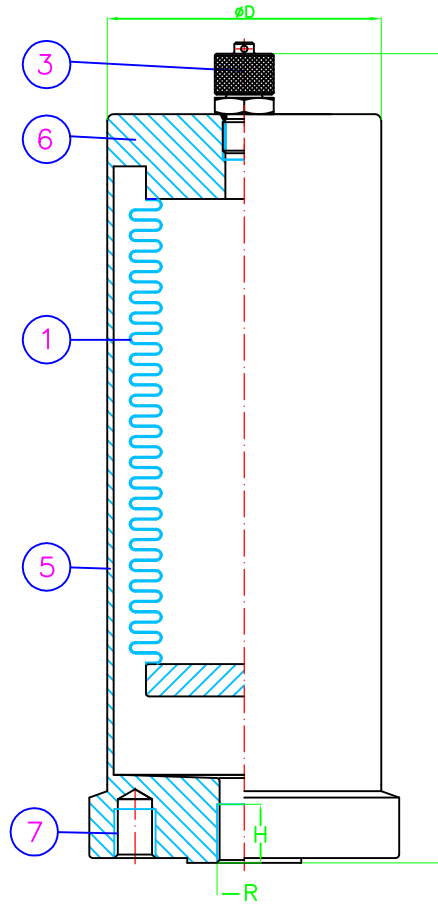


ORDER EXAMPLE: F030 A03 I 1 AI

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

$$\frac{\text{Maxi. Pressure}}{\text{Filling gas Pressure}} \leq 2 \text{ (@Constant Temp.) (***)}$$

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 ₂ 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)

** $\Delta V \geq C/2$ for a single head pump ("C"=Head pump volume)
 $\Delta V \geq C/5$ for a duplex heads pump
 $\Delta V \geq C/12$ 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 80% of the working pressure. It shall be done at the working temperature.

TOLERANCES:
 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
 Approved M.Carcaré

Rev. 2
 Date Sep-19
 Scale -