



3.2 Hidracar® Pulsation Dampers

FOR OTHER PRESSURES, PLASTIC MATERIALS, THREAD, CONNECTIONS AND RUBBERS, PLEASE CONSULT

Note: Max. Working Pressure ≠ K (@Constant Temp.)
Inflate gas Pressure

PP=POLYPROPYLENE
(+) PD= PVDF
PC= PVC

10 bar-g ALL SIZES
PRESSURE DESIGN

U150 & U200

ORDER EX.: U007 A01 E 1 PP
Capacity: 0.65 litre
A01= 10 bar
E=EPDM rubber bladder

Body & insert material polypropylene
3/4" standard connection

PULSATION DAMPER REF.	VOLUME (litres)	D (mm)	L (mm)	R (BSP)	WEIGHT (Kg)		K VALUE
					PC & PD	PP	
U001	0.07	60	98	3/8"	0,35	0,25	2,5
U002	0.15	80	135	1/2"	0,7	0,5	
U003	0.35	90	170	3/4"	1,2	0,8	3
U007	0.65	100	230		1,8	1,2	3,5
U010	0.95	130	245		3	2	3
U015	1.40	160	295	1"	3,5	2,4	3,5
U030	2.60	160	325		5	3,5	
U040	3.70	198	422		5,8	4	5
U060	5.60	198	458	1 1/2"	13	9	
U100	9.50	250	500		20,4	14	4
U150	15	250	672	2"	23,3	17	2,5
U200	20	880	880		27,7	21	3

TOLERANCES:
EXTERNAL DIMENSIONS: ± 2%
VOLUME: ± 1.5% WEIGHT: ± 3.5%

6	COVER	1	(+) PP, PD or PC
5	BODY	1	(+) PP, PD or PC
4	RETAINING RING	1	(+) PP, PD or PC
3	INFLATING (AIR OR N2) VALVE	1	ALSI 316 1/4" BSP
2	INSERT (BUTTON)	1	(+) PP, PD or PC
1	BLADDER	1	NBR, EPDM, & FPM
N°	DENOMINATION	QT.	MATERIALS

**** MINIMUM SAFETY FACTOR: 4:1**

INFLATING WITH GAS(N2), AND MOUNTING POSITION: VERTICAL, VALVE ③ UP

STANDARD BLADDER RUBBERS N=NBR, E=EPDM, V=FPM

MAXI. WORKING TEMPERATURES +50, -5°C

THE MAXI. WORKING TEMPERATURES CAN BE REDUCED DEPENDING UPON THE LIQUID AND TIME OPERATION

Customer

HIDRACAR SA

Title PLASTIC PULSATION DAMPERS (standard units)

Customer Ref. Replaced Drg.No
AV.PL.BP.IN.DOC.Rev08

Drg.No AV.PL.BP.IN.DOC.

Drawn E.Ponsa

Rev. 09

Approved M.Carcaré

Date Scale

JUN-12