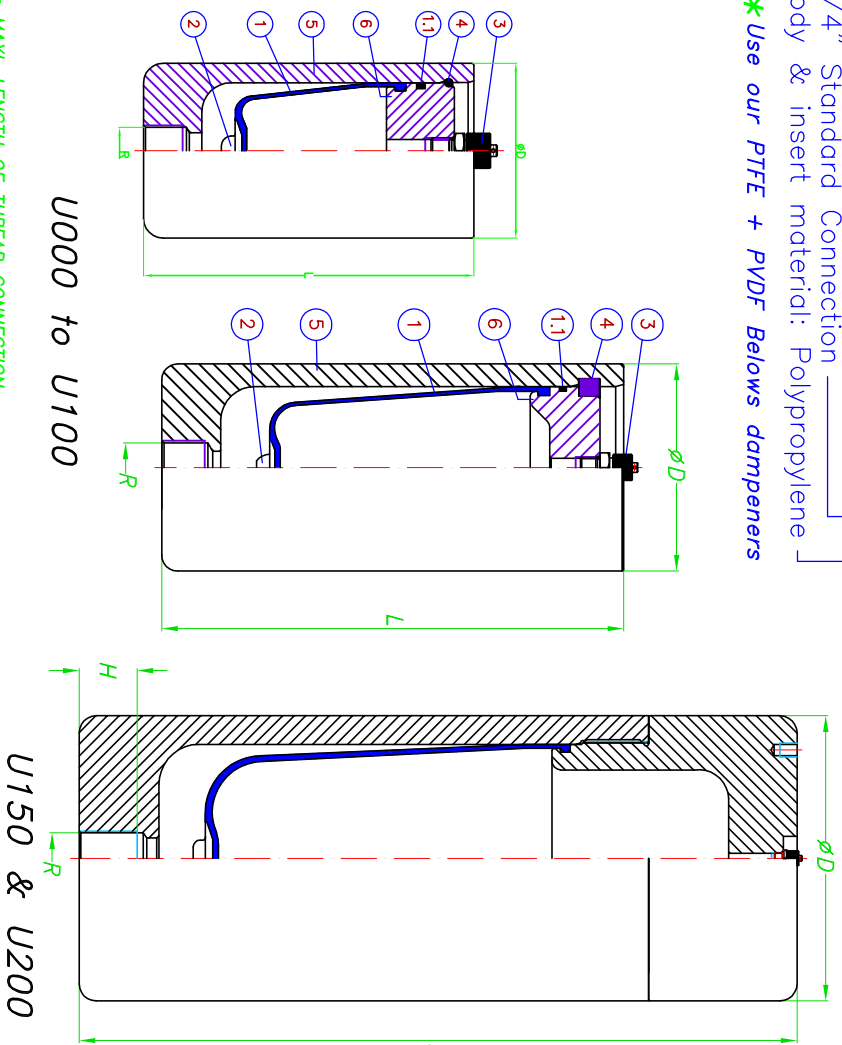


FOR HIGHER PRESSURES, SIZES, MATERIALS AND THREAD CONNECTIONS, PLEASE CONSULT

Value of "K": Maxi. Pressure  $\leq$  K (@Constant Temp.)  
Filling gas Pressure

**ORDER REF. EXAMPLE:** U007 A01 V 1 PP  
 Capacity: 0.65 liter  
 A01  $\equiv$  10 bar  
 V = FKM Rubber Bladder  
 3/4" Standard Connection  
 Body & insert material: Polypropylene  
**\*\*Use our PTFE + PVDF Belows dampeners**



TOLERANCES: External dimention:  $\pm 3\%$  Volume:  $\pm 2.5\%$  Weight:  $\pm 5\%$

| PULSATION DAMPER REF. | VOLUME (litres)                          | D (mm) | L (mm) | R (BSP) | H (mm) | WEIGHT (Kg) |      |      | K VALUE                |
|-----------------------|--|--------|--------|---------|--------|-------------|------|------|------------------------|
|                       |  |        |        |         |        | PP          | PC   | PD   |                        |
| U000                  | 0.04                                     | 60     | 77     | 3/8"    | 16     | 0.23        | 0.30 | 0.37 |                        |
| U001                  | 0.09                                     | 60     | 102    | 3/8"    | 16     | 0.25        | 0.34 | 0.42 | 2.5                    |
| U002                  | 0.18                                     | 80     | 140    | 1/2"    | 20     | 0.50        | 0.72 | 0.90 |                        |
| U003                  | 0.36                                     | 90     | 170    | 3/4"    | 24     | 0.68        | 1.03 | 1.26 | 3.0                    |
| U007                  | 0.65                                     | 100    | 217    | 3/4"    | 24     | 1.05        | 1.50 | 1.84 | 3.5                    |
| U010                  | 0.95                                     | 130    | 242    | 1"      | 26     | 1.86        | 2.80 | 3.76 | 3.0                    |
| U015                  | 1.50                                     | 130    | 286    | 1"      | 26     | 2.20        | 3.10 | 4.15 | 3.5                    |
| U030                  | 2.60                                     | 160    | 324    | 1"      | 32     | 3.70        | 5.60 | 7.50 |                        |
| * U040                | 3.80                                     | 160    | 420    | 1"      | 32     | 4.60        | 6.60 | 8.30 |                        |
| * U060                | 5.60                                     | 200    | 468    | 1-1/2"  | 40     | 8.00        | 11.5 | **   | 4.0                    |
| * U100                | 10.40                                    | 250    | 493    | 2"      | 50     | 12.4        | 18.4 | **   |                        |
| * U150                | 15.00                                    | 250    | 663    | 2"      | 50     | 16.4        | 24.6 | **   | 3.0                    |
| * U200                | 20.00                                    | 250    | 880    | 2"      | 50     | 21.0        | 27.7 | **   | 2.5                    |
| 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 N <sub>2</sub> ) VALVE |        |        |         | 1      |             |      |      | AISI 316L 1/4" BSP     |
| 2                     | INSERT                                   |        |        |         | 1      |             |      |      | (+) PP, PD or PC       |
| 1.1                   | "O"-RING                                 |        |        |         | 1      |             |      |      | NBR, EPDM, FKM & BUTYL |
| 1                     | BLADDER                                  |        |        |         | 1      |             |      |      | NBR, EPDM, FKM & BUTYL |
| N°                    | DENOMINATION                             |        |        |         | QT.    |             |      |      | MATERIALS              |

H = MAXI. LENGTH OF THREAD CONNECTION

MAX. WORKING PRESSURE FOR ALL SIZES: 10 bar-g

Standard Bladder Rubbers: N=NBR, E=EPDM, V=FKM, B=BUTYL

WORKING LIMITS TEMPERATURES(°C):  
 ( 0 to +60°C for PVC & PP)  
 (-15° to +70°C for PVDF)

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

MINIMUM SAFETY FACTOR: 4:1

THE MAX. WORKING TEMPERATURE CAN BE REDUCED DEPENDING ON THE LIQUID IN CONTACT

Those Pulsation Dampeners ought to be filled with gas at a value of 0.80x the pressure to stabilize and that at the working temperature

NOTE: The precharge with gas or air must be done slowly and with our charging tool Ref. BV010A1TM

**HIDRACAR SA**

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E-mail: hidracar@hidracar.com

Customer

Customer Ref.

Replaced Drg.N°

Drawn

Approved

Title PLASTIC PULSATION DAMPERS

(standard units)

AV.PL.BP.IN.DOC ( Rev.17)

E.Ponsa

M.Carcaré

Drg.No

Rev. 18

Date Jan-18

Scale none

