

Note: $\frac{\text{Working pressure}}{\text{Filling gas pressure}} \leq 3.5 (\text{@Constant Temp.})$

WORKING TEMPERATURES VERSUS DESIGN PRESSURES

| | | |
|---------------------------|-------------------------------------|--------------------------|
| FOR A TEMPERATURE OF 80°C | CORRESPOND THE DESIGN PRESS. x 0.87 | |
| " " | " " 130°C | " " DESIGN PRESS. x 0.78 |
| " " | " " 200°C | " " DESIGN PRESS. x 0.68 |

BLADDER RUBBER: N=NBR/E=EPDM/V=FKM

| | | | |
|---|-----|------|------|
| | N | E | V |
| RUBBERS LIMIT WORKING TEMPERATURES (°C) | +80 | +130 | +200 |
| | -15 | -15 | -20 |

THE LIMIT WORKING TEMPERATURES VALUES CAN BE REDUCED DEPENDING UPON THE LIQUID IN CONTACT AND TIME OPERATION

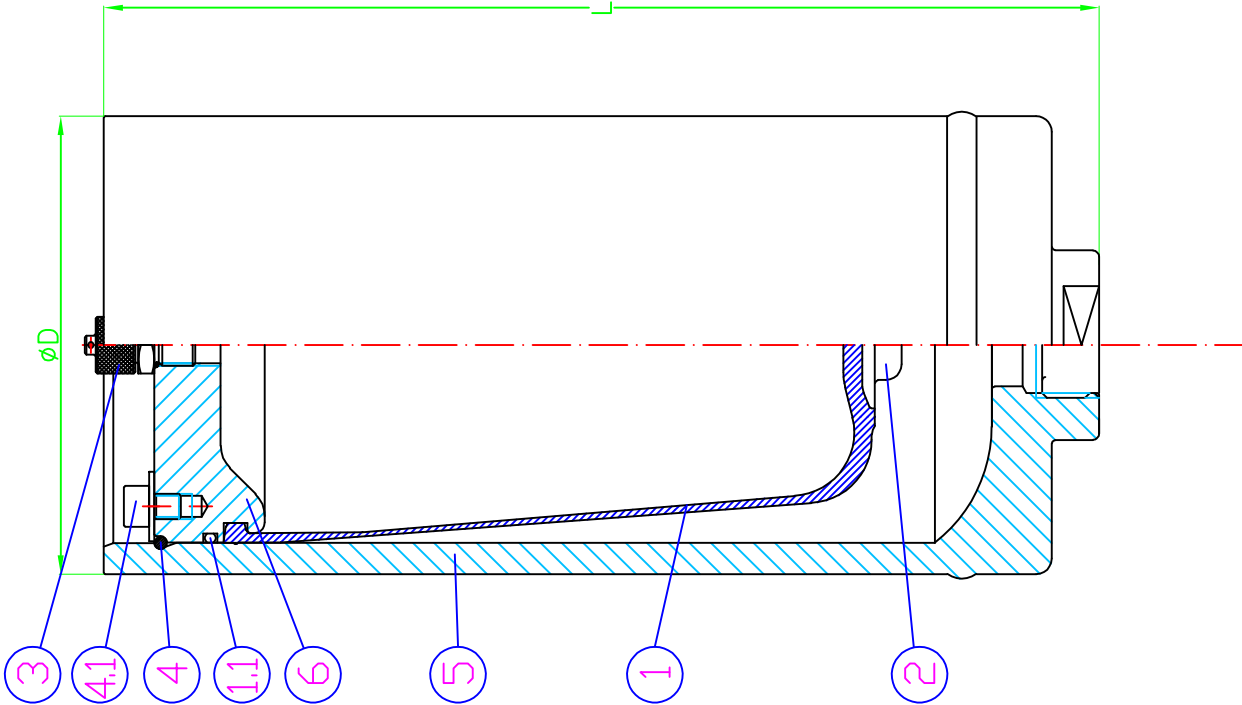
| PULSATION DAMPER REF. | VOLUME (litres) | DESIGN PRESSURE (Bar@20°C) | D (mm) | L (mm) | R (BSP) | H (mm) | WEIGHT (Kg) |
|-----------------------|-----------------|----------------------------|--------|--------|---------|--------|-------------|
| U030 | 2.6 | 230 | 145 | 315 | - | 29 | 11 |

| | | | |
|-----|----------------|-----|--------------------|
| 6 | GAS COVER | 1 | S355 |
| 5 | BODY | 1 | E355 |
| 4.1 | BOLT | 3 | ISO7380 M8 A4-70 |
| 4 | RETAINING RING | 1 | DIN17224(AISI 316) |
| 3 | CHARGING VALVE | 1 | C45 (1/4" BSP) |
| 2 | INSERT | 1 | S355 |
| 1.1 | 'O' RING | 1 | EPDM |
| 1 | BLADDER | 1 | EPDM |
| Nº | DENOMINATION | QT. | MATERIALS |

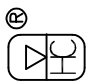
The pulsation damper must be precharged at 0,8 of the working pressure and at the working temperature.

The precharge must be done with N2 or compressed air slowly and with our tool Ref. BYXXXA1TM. The position ought to be vertical: valve ③ on top

TOLERANCES: WEIGHT: ±4%
EXTERNAL DIMENSIONS: ±2%



wall thickness calculation according to AD 2000 codes



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Customer

Title

C.S.MEDIUMPRESSURE PULSATION DAMPER

Customer Ref.

Drg.No U030A23E1-AC

Drawn E.Cortina

Approved Enric Ponsa

Rev.

Date 23.10.19

Scale