

ALHP PULSATION DAMPNER

PULSATION DAMPNER TYPE ALHP

This machine goes at the hose pumps outlet.

The pulsation damper is made with a polyamide reinforced hose available in 3 qualities: Natural Rubber (NR), Nitril (NBR) and EPDM.

This hose is situated inside a steel cylindrical hose filled up with air (cf. drawing).

The parts in contact with the pumped fluid will be, as on the hose pump, the hose and the inserts.

The inserts are also available in 3 qualities: 316L SS, PPH or PVDF.

The advantages of this pulsation damper are:

- reduction of the pulsation of the pump
- reduction of vibration and water hammer in your piping
- easy assembling because of the in line construction
- few parts in contact with the fluid

Pulsation damper operation:

- The filling up of the pulsation damper with dry air is executed by the « T » located on the high point of the pulsation damper (cf drawing).
- The air pressure inside the pulsation damper must be equal to 2/3 of the outlet pressure of the pump.
- The pressure setting is executed with a mano pressure reducer supplied with the pulsation damper.
- The operate maximum pressure of the pulsation damper is 10 bars (relief valve).
- A second mano could be installed on the pulsation damper (raccord $\frac{1}{4}$ ") (cf. drawing).