

PULSATION DAMPENER (PD)



Capacity (psi) to: 150

Material: Stainless steel, PVC, PTFE, Viton, Buna y Teflon

Diaphragm Material: NBR, Butyl, FPM, EPDM, PTFE

Warranty: 1 year

SPECIFICATIONS

WORKING PRINCIPLE

Especially designed for the reduction of pulsation use with positive pumps, and diaphragm pumps. It is a pressure vessel containing a bladder or diaphragm which separates pressurized gas in an upper chamber from the process liquid in a lower chamber. When charged with gas to the correct pressure, it will change the cubage of gas to reduce or eliminate pulsations from positive pumps. Pulsation dampener shall be hydro-pneumatic, chargeable, appendage type. Pulsation dampener shall be constructed of a rigid housing and flexible bladder or bellows, and supplied with a gas fill valve and pressure gauge.

APPLICATION

Pulsation dampers are applied immediately downstream a positive displacement pumps. No matter what kind of pumps, reciprocating positive displacement pumps produce pulsating flows which lead to pressure spikes. These pressure spikes may not be desirable in a given piping system, therefore there is a need for a pulsation dampener. The PD is widely used for petrification, water treatment, food, pharmacy, paper making, printing and dyeing, chemical process etc.

FEATURES

The PD is available in a wide range of materials that is highly resistant to corrosion and used in the most demanding application.

Reduce pulsations by a minimum of 80%. With another equipment and valves can be reduces to a 98%.

Allow a constant dosage.

Prevents foaming.

Resist 150psi and 80°C.