

Pulsation Dampener Benefits

Benefits to installing a pulsation Dampener?

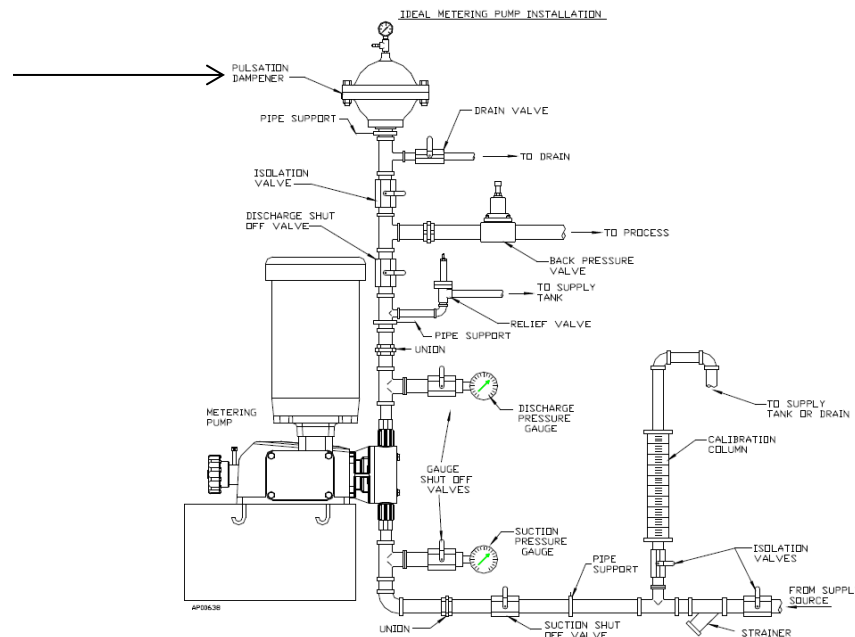
Positive Displacement (diaphragm) pumps create pressure pulsations (spikes) and hydraulic shock due to their stroking action characteristics. These pulsations potentially can harm, damage or shorten the life of system components. A properly set-up and sized pulsation dampener can remove up to 99% hydraulic shock, noise and vibration. Pulsation dampeners also create continuous flow enhancing all-around performance in industrial and chemical dosing applications.

How do they work?

The pulsation dampener creates a low pressure area in the system large enough to absorb pressure spikes. The pulsation dampeners membrane made of chemically resistant materials, e.g., Teflon®, Viton®, etc. compressed air behind the membrane causes it to flex when exposed to a pressure spike, dampening (cushioning) the pressure spike. Properly pressurizing the pulsation dampener will maximize its effectiveness. The initial “charge” should be 80% of the system’s operating pressure. Air is then added or released via a Schrader valve until system vibration is eliminated.

Where the Pulsation dampener should be installed?

A pulsation dampener is installed on the discharge line of the pump (below is a typical installation).



For Technical Support contact the Pulsafeeder Technical Support Team
 941-575-3800 ppgspotech@idexcorp.com

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Pulsation dampeners prolong the system's operation.

A pulsation dampener will reduced the service frequency and prevent premature wear of your Pulsatron pump's wet end components. Dampeners are strongly recommended in continuous duty applications.

Pumps recommended for use with Pulsation dampeners:

- All **Pulsatron A Plus** 250 strokes per minute (spm) models, e.g., LBS2, LBS3, and LBS4s
- All **Pulsatron** pumps with a maximum pressure rating of 150 PSI or above

Sizing Pulsation dampeners for your pump:

For help selecting the proper pulsation dampener for your pump, including: Connection type, Materials of construction, and size (volume cu. in.), contact, Pulsafeeder technical support 941-575-3800 ppgspotech@idexcorp.com.