



1" MANUAL MODEL

## DESIGNED TO ELIMINATE PRESSURE SURGES AND PULSATIONS

- **Non metallic solution contact**  
Polypropylene to 125 psig @ 175°F  
PVDF to 125 psig @ 225°F
- **Manual or automatic adjusting models.**
- **For pump sizes - 1/2" to 2"**
- **Improve accuracy and life of pumps and meters.**
- **One-way air inlet valve prevents product backflow if bladder is ruptured.**
- **Eliminates costly pipe system vibration and leakage.**

Pulsation dampeners are uniquely designed to eliminate 97% of all types of fluid flow pressure spikes. The unwanted result of these pressure spikes is hydraulic shock, material foaming or material splashing.

Pulsation dampeners reliably protect diaphragm pumps, pipes, fittings and equipment from vibration and fatigue. Pumps and filter chambers last longer and are more reliable when they are not exposed to harmful fluid shock waves. Installation is easy. Connect to fluid line via tee and supply compressed air or nitrogen to charge the dampener.

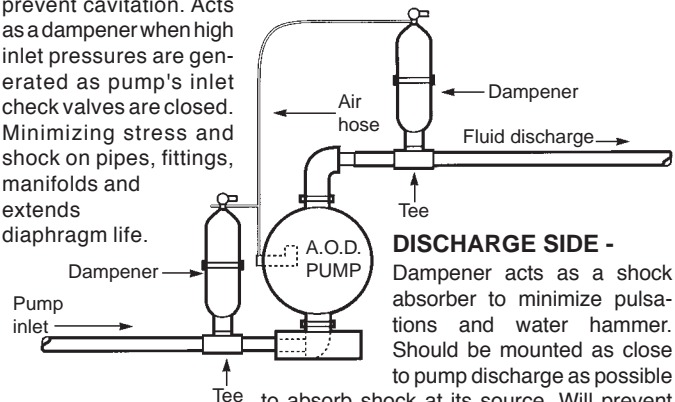
The highly efficient dampening provided by these devices makes them ideal for use as a suction stabilizer on all types of pumps or after valves to also protect downstream equipment.

Pulsation dampeners come in two models — Manual adjustment for continuous dampening requirements and Automatic adjusting for variable pump discharge pressures. Models are available in three sizes.

### TYPICAL INSTALLATION

#### SUCTION SIDE -

Dampener acts as an accumulator to provide a close source of product when pump inlet check balls are opened. Helps prevent cavitation. Acts as a dampener when high inlet pressures are generated as pump's inlet check valves are closed. Minimizing stress and shock on pipes, fittings, manifolds and extends diaphragm life.



#### DISCHARGE SIDE -

Dampener acts as a shock absorber to minimize pulsations and water hammer. Should be mounted as close to pump discharge as possible to absorb shock at its source. Will prevent leaking joints and fittings due to pulsation. Allows meters to be used without damage and extends the life and reliability of pump components.

### TO ORDER

PUMP SIZE	NPT SIZE	MODEL	PRICE CODE NO.	MATERIAL	ADD TO		ADJ	ADD TO		ADJ	ADD TO	
					MODEL NO.	PCN		MODEL NO.	PCN		MODEL NO.	PCN
1/2"	3/4"	Dampener-1/2	55-73	Polypro PVDF	PP	0	Manual Auto	M	0	Buna N EPDM Viton® TFE	B	-B
1"	1"	Dampener-1	55-74		K	2		A	1		L	-L
1-1/2" - 2"	2"	Dampener-2	55-75								V	-V
											T	-T

