

PULSATION CONTROL PRODUCTS

Increase pump and component life and efficiency
Reduce pump cavitation, system vibration and noise



PULSATION CONTROL PRODUCTS

What is pressure pulsation?

Pressure pulsations can occur when reciprocating pumps transfer fluids through piping. With each stroke of the pump, pulses are generated as cyclic pressure variations which are undesirable and can reduce pump and system life. Excessive noise and vibration can also result. Pump-generated variations can also cause an inadequate supply of fluid to the pump inlet.

Pulsation Control Products

Young Engineering and Manufacturing, Inc. designs and manufactures a full line of pulsation control products. A Suction Dampener, installed close to the pump inlet, will reduce the potential for cavitation, extend the pump life and reduce wear on the manifold and suction valves. Installed on the discharge side, a Pulsation Dampener will attenuate pump generated pressure pulsations. This will decrease mechanical vibration and noise. Pulsation Dampeners are available in top and bottom repairable and appendage and flow-through designs. Maintenance-free suction and discharge dampeners protect pumps and piping systems by using a combination of gas and liquid to reduce pressure variations. Optimum pump performance can be obtained when both Suction Dampeners and Discharge Dampeners are installed to the pump inlet and discharge.

Standard product features:

- Appendage or Flow-through type
- 316L Stainless or Epoxy-coated Carbon Steel
- Top or Bottom Repairable
- Maintenance-free designs
- NPT or ANSI flanges
- Wide variety of bladder compounds
- Stainless Steel or Teflon Bellows



Pulsation and suction dampeners are used on pumps in many industries. Pictured here is a bank of pumps used for high pressure washing in a food processing facility

Product selection and sizing

Our products are the result of over 40 years of design and engineering of pulsation and surge control devices. Our staff of experienced engineers will assist you to properly select, size and locate the correct pulsation control product to provide optimum performance for your specific system.

Applications

Young Engineering pulsation control products are currently protecting systems worldwide in numerous industries and military applications including:

- Reverse osmosis water purification systems
- Food processing
- Petrochemical facilities
- Oil field applications
- High pressure wash applications
- Metering pump systems

For more product details please consult our catalog of Pulsation Control products or

call **800-337-8743**

Young Engineering & Manufacturing, Inc. also designs and manufactures a complete line of Surge Control Products. This line includes Surge Suppressors, Bladder Surge Tanks and Hydropneumatic Surge Tanks

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Better - by design