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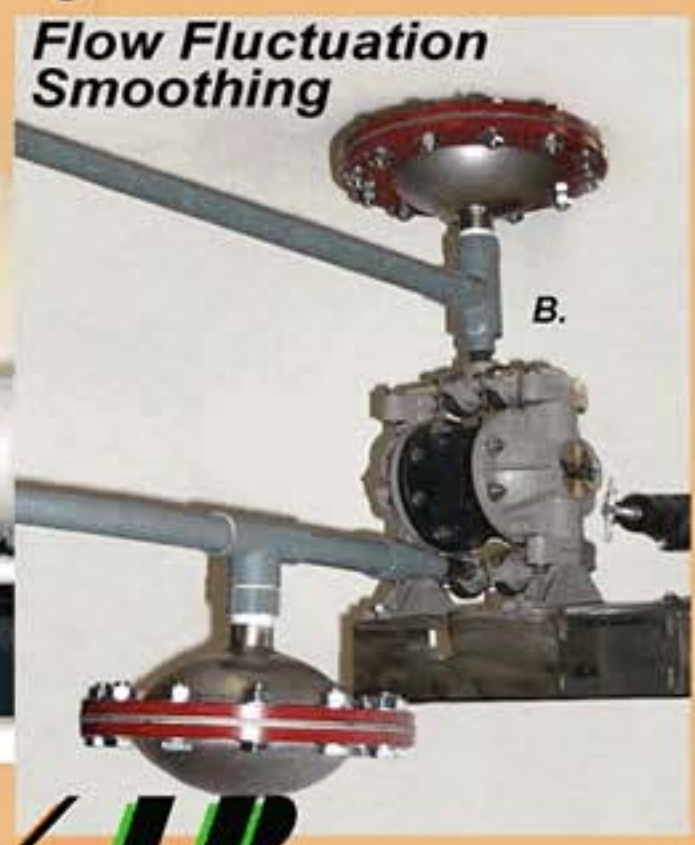
TEFLON DAMPERS From Inventory.

E.I. DuPont De Nemours And Company Inc. aka "eidpdnaci"

®PulseGuard Inc "Flexorbers" may have LDi "FlexFlon" diaphragms, in place of micro-porous virgin eidpdnaciTeflon. Double layer membrane, and secondary containment sealing, makes these pressure vessels as safe as teflon "sandwich double diaphragm" metering pump heads.

Presssure Pulse Damping

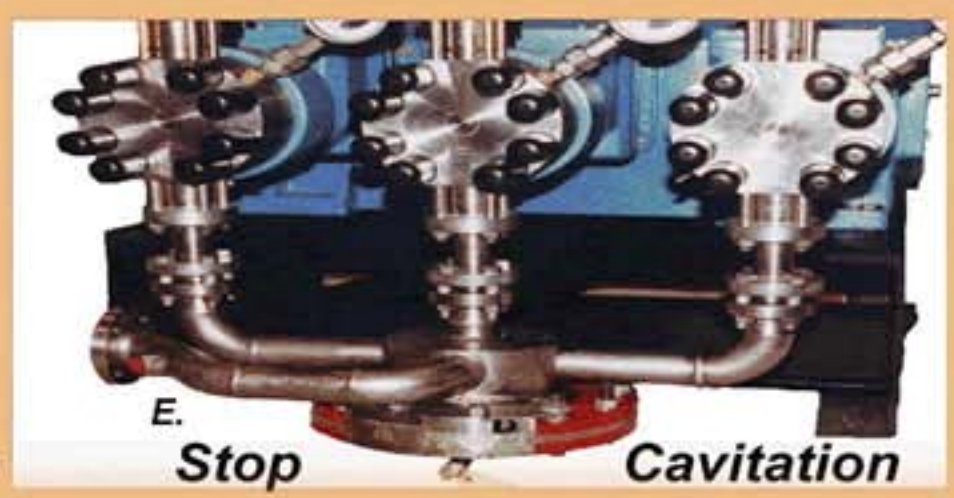
Flow Fluctuation Smoothing



Flexorber / LP

Prevent Interaction

Shock Interception



Stop Cavitation

In your pump the diaphragm has the same pressure on both sides at all times. In a damper, there is often full differential pressure from pre-fill N2 to Zero on the other side. In your pump the diaphragm strokes a small distance at all times. Your damper membrane has to move further the more the overall system pressure changes. Both Teflon eidpdnaci & FlexFlon are PLASTICS - their deformation is not elastic. However well the membrane is designed, it will not have an extended life. A damper is always 5 to 100 times the volume of the pump head for which it is matched. Teflon eidpdnaci, or Flexflon which is more resilient, is always a high cost and "down time" way to go - minimize down time by using dampers on piping base blocks.