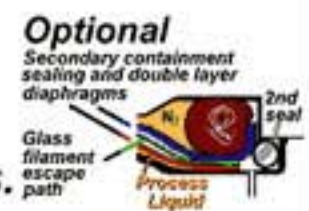


E.I. DuPont de Nemours and Company Inc. aka "eidydroci"

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



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Presssure Pulse Damping

Flow Fluctuation Smoothing

Flexorber / LP

Shock Interception

Prevent Interaction

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 & 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, 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.