

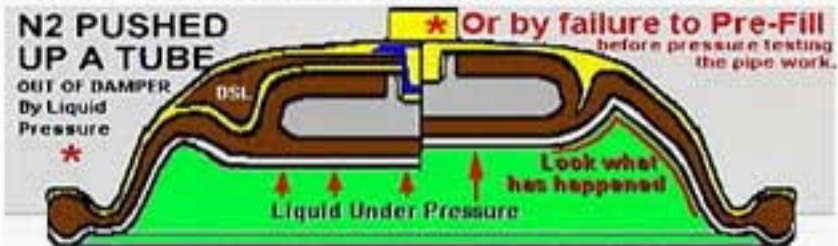
THE DIFFERENCE IS IN THE DETAIL



SECONDARY CONTAINMENT, HAZARD ALERT, CONTROLLED DE-PRESSURIZATION, SEAL RELEASE - SAFETY FEATURES, ARE PART OF OUR SAFETY DESIGN CODE. (Not ASME, PED, nor ISO)

Extending the life of Virgin Teflon (DuPont)

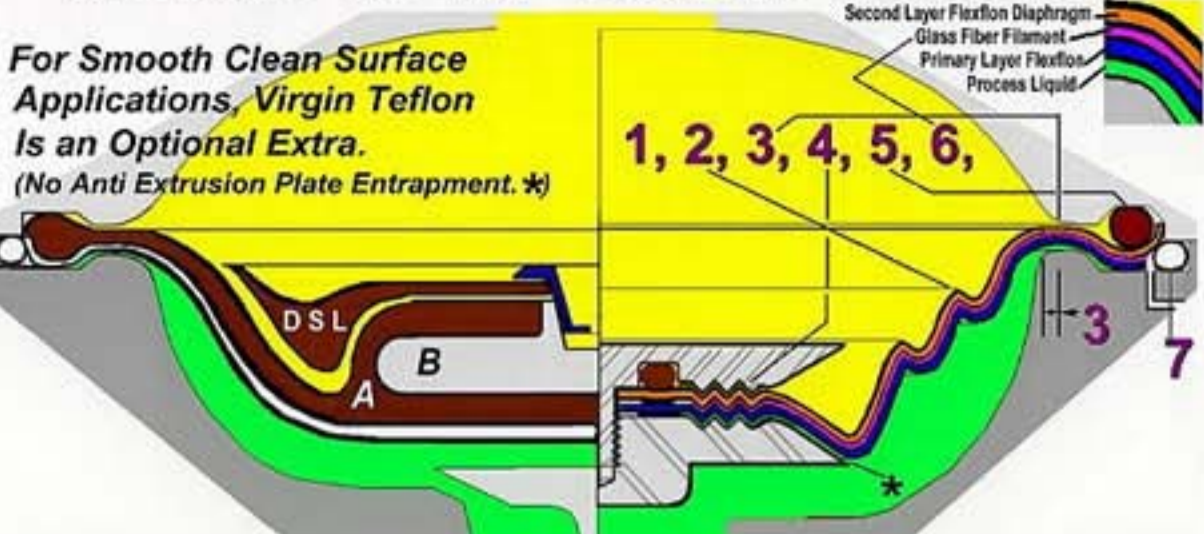
not recommended for: Nitric, Chloros, -ics, -ides, bromines etc. We prevent loss of Nitrogen pre-fill gas by an elastomer backing A, which also contains an anti-extrusion stiffener B. and adds some resilience reducing the rate of PTFE "cold flow".



Life is extended :-
 Plastic deformation reduced by bonded backing.
 Extra extrusion resistance encapsulated.
 Reverse stroke limiting option.

The Longer Life LDi "FlexFlon" Alternative

For Smooth Clean Surface Applications, Virgin Teflon Is an Optional Extra. (No Anti Extrusion Plate Entrapment. *)



- 1, Porosity removed and resilience gained by re-gelling.
- 2, Molded multi wave form, no stretching.
- 3, Offset role points prevent fatigue concentration.
- 4, Anchorage outboard the anti extrusion plate seal.
- 5, Peripheral sealing, not crush crimping.
- 6, Two layers of FLEXFLON & permeation alert filament track between, option.
- 7, Primary seal, and secondary containment option.

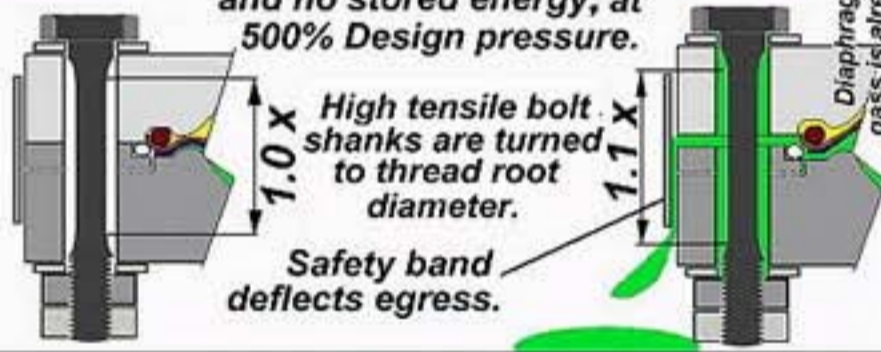
5:1 Safety Factor, "Fail Safe" Pulse Dampers

Nitrogen cushion Pre-Fill energy is released safely at 400% design pressure



Seal Release by Bolt Elongation

Liquid release without bolt fracture and no stored energy, at 500% Design pressure.

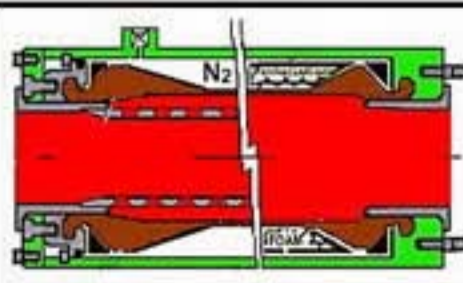


THE SURETY OF PRODUCT COMPLYING WITH THE PRESSURE EQUIPMENT DIRECTIVE.

Your choice, ASME code (which claims to be non-applicable to dampers "snubbers") @ a massive on cost, & which increases allowable working stresses 3 times a year, arbitrarily neglects fatigue consideration nor requires FEA below 3000 psi /207 Bar, whilst granting certification in all low cost producer countries. Further more the ASME, while being an ISO registrar, employ quality auditors who denigrate the international standard. Or, \$125 US, certified to the relevant category for your actual use, IE "Suitability For Purpose" backed by criminal law.



AVAILABLE AT A FIXED PRICE \$, or IN EUROS
 From Liquid Dynamics International
 UK FreePhone 0800-LOW-EURO (569-3876)
 US Toll Free Fax 1-828-TALK-DLR (825-5357)



The PumpGuard range with LDi FlexTubes has an identical vessel construction to the the PulseGuard Inc. damper ranges:- "PipeGuard" "WaveGuard -Cer." and "LiquiBello" having a pipe body & tamperproof lock rings.

Our:- Bolted Flanged and Dished head, Welded Cap, and Tubular designs, HAVE ALL RECEIVED THE "CE" MARK



CE 0040
 RSA Certificates Nbr SS0210435
 ISO 9001
 95-LON-AQ-485
 DNV