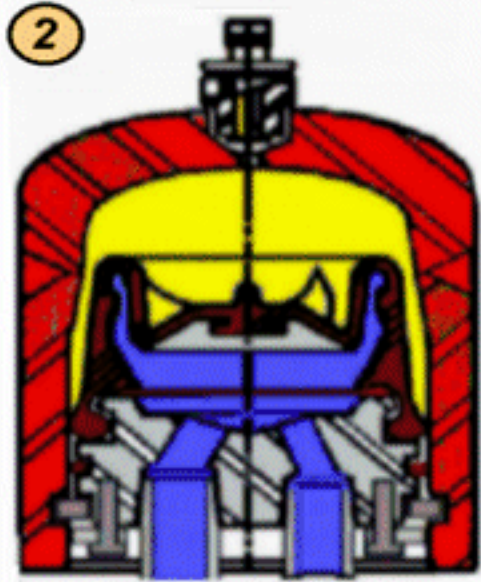


INSTALLING HIGH FREQUENCY "NOISE" INTERCEPTORS IN VANE PUMP SYSTEMS

Performance requires: Close coupling to pump. No oversized pipes, Straight shot or 5D bends.
Weld the pipe base in line, or If you flange your "Ts", flange the damper pipe base.

The PipeHugger

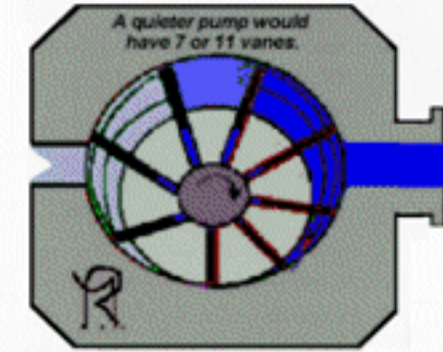


The source of the disturbance, that is magnified into audible pulsation by the pipe system is from "X".

As the vane passes over the end of the port slot, there is a pressure peak from liquid trying to escape.

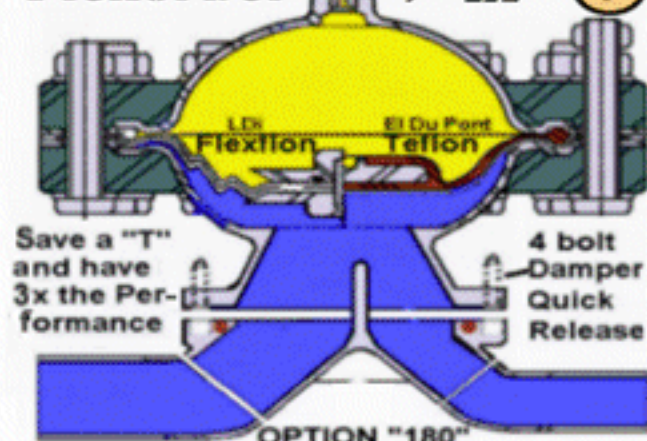
1 FLEXORBER

Pt. Nbr. Sog--/
LP Flexlon or DuPont Teflon.



Block fits pipe base in place of damper for Hydro-test etc.

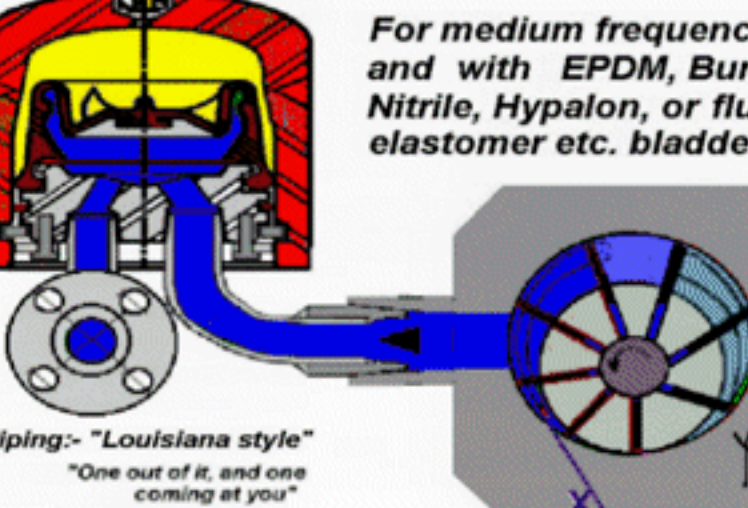
Flexorber / LP 1



Save a "T" and have 3x the Performance
4 bolt Damper Quick Release

2 PIPEHUGGER Pt. Nbr. PHr--/--

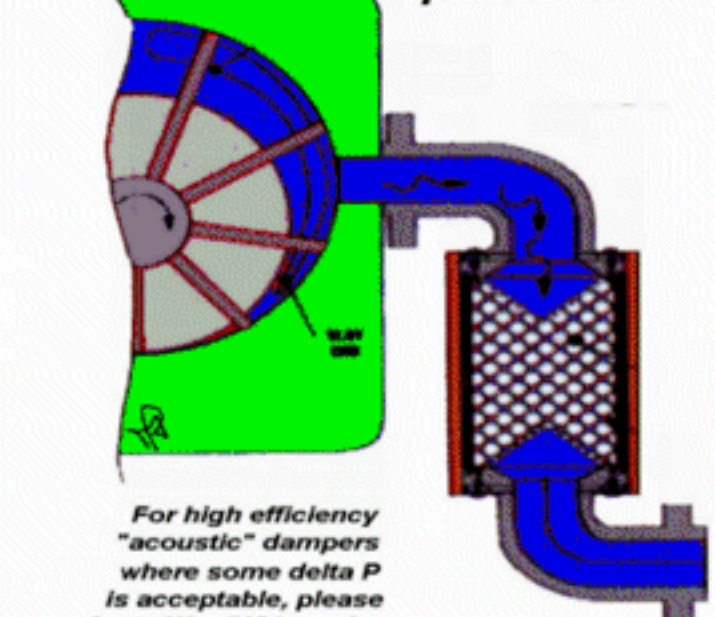
For up to 150 Hz.
For medium frequencies and with EPDM, Buna/Nitrile, Hypalon, or fluoro elastomer etc. bladders.



Piping: "Louisiana style" "One out of it, and one coming at you"

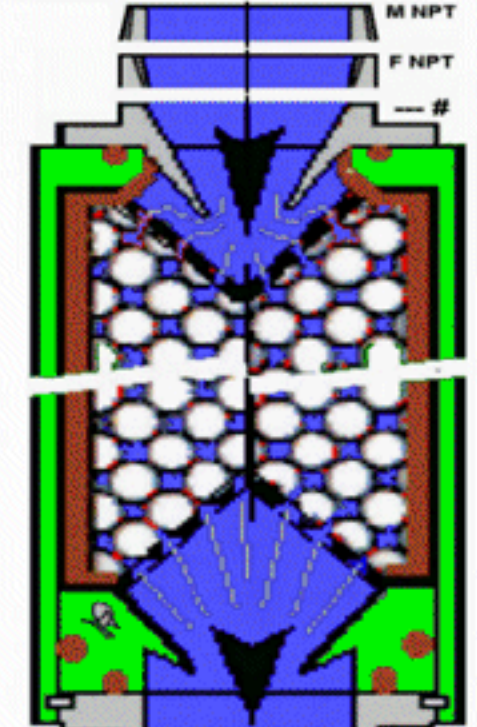
3 WAVEGUARD Pt. Nbr. Wag/ Cer--

For high frequency pressure pulsation



For high efficiency "acoustic" dampers where some delta P is acceptable, please refer to Wag/HO-- series

WaveGuard 3

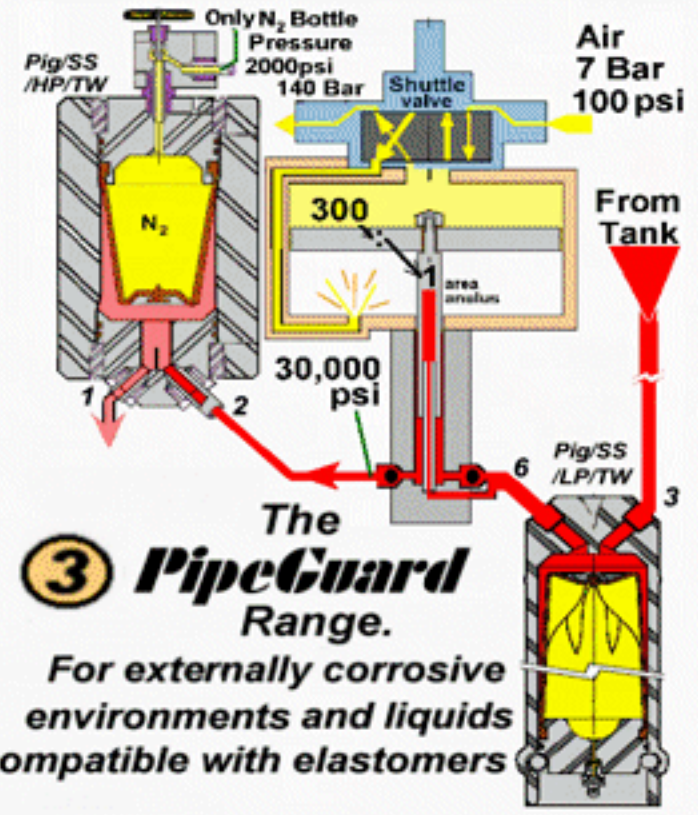
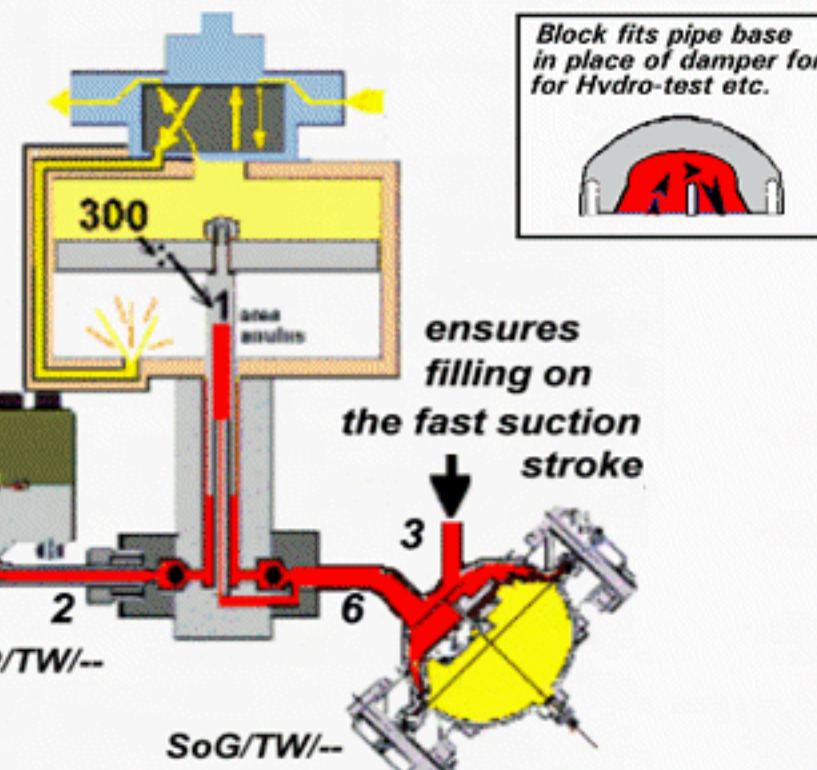


PULSE - SHOCK DAMPER PIPE-UP TO AIR DRIVEN INTENSIFIER PLUNGER PUMPS

Performance requires: Close coupling to pump. No oversized pipes, Straight shot or 5D bends.
What ever type of fittings you would use for a "T", use them on the damper piping base.



Usually, the worst of the pulse is caused by poor filling on the fast suction stroke. The rest is decompression shock, that can only be addressed by INTERCEPTION.



3 PipeGuard Range.

For externally corrosive environments and liquids compatible with elastomers

1 Flexorber Range.

For liquids that are only compatible PTFEs

PipeHugger Range.

2 For liquids compatible with elastomers

