

SILENCER

P U L S A T I O N D A M P E N E R

"Building the best, servicing the rest"™



BENEFITS

- Eliminates excess vibration and hydraulic shock.
- Increases life of plate heat exchangers, fittings, valves and other process equipment.
- Completely CIP (clean in place). No "jumpers."
- Patented design-field proven.
- Reduces bacteria contamination hazards traceable to cracked lines, fittings and cracked plates.
- Simple in-line installation reduces man hours for CIP jumpers around homogenizer.

APPLICATIONS

- HTST system - all timing pumps
- Filling machines - bag-in-box
- Evaporators
- Spray dryers
- Water purification
- Air pump "hammer" reduction
- Reverse osmosis systems
- CIP circuits
- Plant water lines
- Meters

OPERATION PRINCIPLE

The Silencer™ dampens pulsation by absorbing hydraulic pressure peaks caused from pumps, valve actuation or other mechanical action. The pressure "spike" is equalized by a rubber sleeve expanding against a gas chamber. The destructive pulsation is transferred into the gas chamber not into your process equipment.

SILENCER INSTALLATION

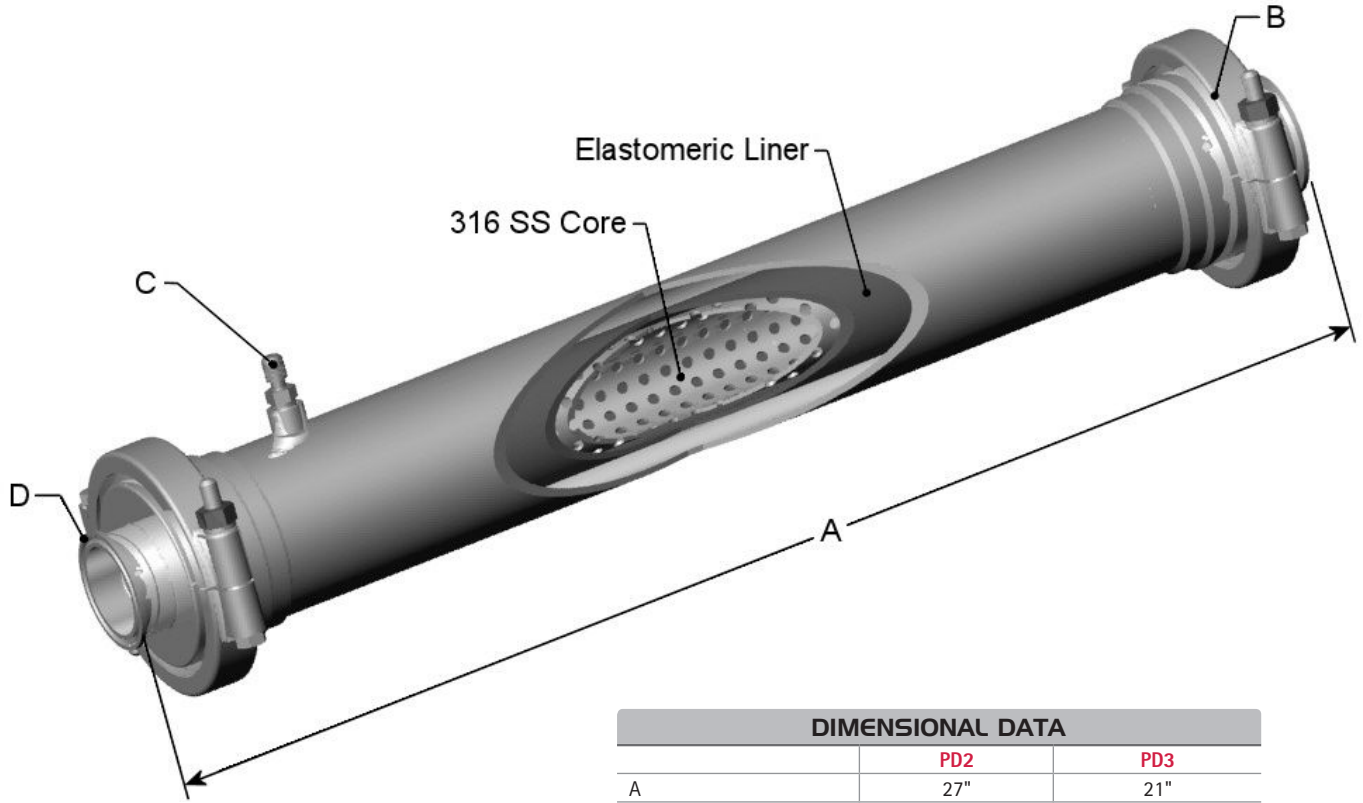
The Silencer™ is installed directly into your product line as close as possible to the source of the pulsation (i.e. typically at the discharge of a homogenizer or prior to a filler). Once installed the unit is charged with a gas (typically plant air) to 10-15 psig. Reverse osmosis systems should be charged at 90-100 psig. The Silencer™ is completely cleaned in place (CIP) by normal procedures.

STANDARD UNIT INCLUDES

Tri-clamp end connections, assembly tool, 1/8" air chuck.

SILENCER

PULSATION DAMPENER



DIMENSIONAL DATA

	PD2	PD3
A	27"	21"
B	6.5"	6.5"
C	1/8" NPT	1/8" NPT
D	2" sanitary	3" sanitary
WEIGHT	26 lbs.	24 lbs.
MAXIMUM PRESSURE	750 psig	300 psig
MAXIMUM TEMPERATURE	300F (149C)*	

**When equipped with high temperature silicone liner.
Dimensions not to be used for construction*



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