

# SENTRY SERIES™

## PULSATION DAMPENERS, SURGE SUPPRESSORS & INLET STABILIZERS

REMOVE UP TO 99% OF FLUID SYSTEM SHOCK.



### PROTECT

- Protect pumps, piping, valves, fittings, meters and in-line instrumentation from damaging pulsations, cavitation, thermal expansion, hydraulic shock, surges and water hammer.



### PREVENT

- Prevent premature pump failure, pipe breakage, product agitation and system contamination.
- Prevent destructive pressure surges caused by pump startup and shutdown.
- Prevent hydraulic shock resulting from emergency valve closure and other equipment shutdown.
- Prevent agitation, foaming, splashing and degradation of product.

### ENSURE

- Ensure accuracy and longevity of flow meters and pressure gauges.
- Ensure a smooth, steady flow in metering and chemical injection.
- Ensure uniform and continuous application in spraying and coating processes.



## ABOUT

### SENTRY Series Pulsation Dampeners

Positive displacement pumps create destructive pulsation and hydraulic shock due to the reciprocating nature of their stroking action, potentially damaging piping and system components. SENTRY Pulsation Dampeners and Surge Suppressors remove virtually all system shock, enhancing the performance and reliability of fluid flow in municipal, industrial, sanitary and chemical transfer applications. SENTRY Inlet Stabilizers minimize pressure fluctuations and acceleration head losses by preventing fluid column separation at the pump's inlet.



SENTRY Pulsation Dampeners, Surge Suppressors and Inlet Stabilizers come in a full range of chemically resistant materials for even the most corrosive applications.



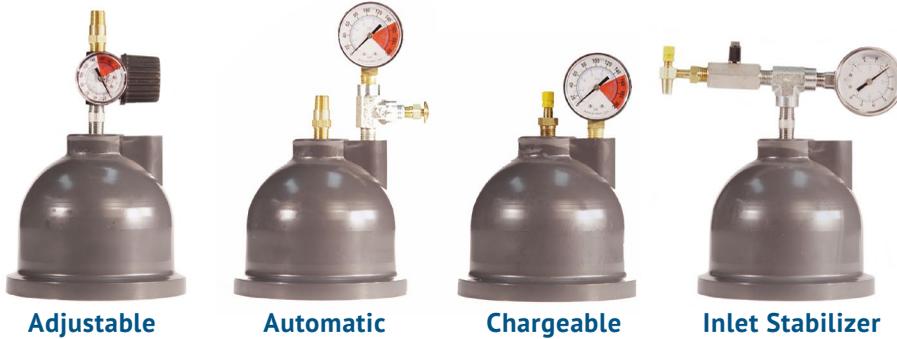
NSF/ANSI 61, CE, ATEX and CRN certifications available on select models.



All SENTRY housings are made in the USA, and each unit is tested at design pressure or higher to assure proper function and leak-free operation.

# SENTRY PULSATION DAMPENERS

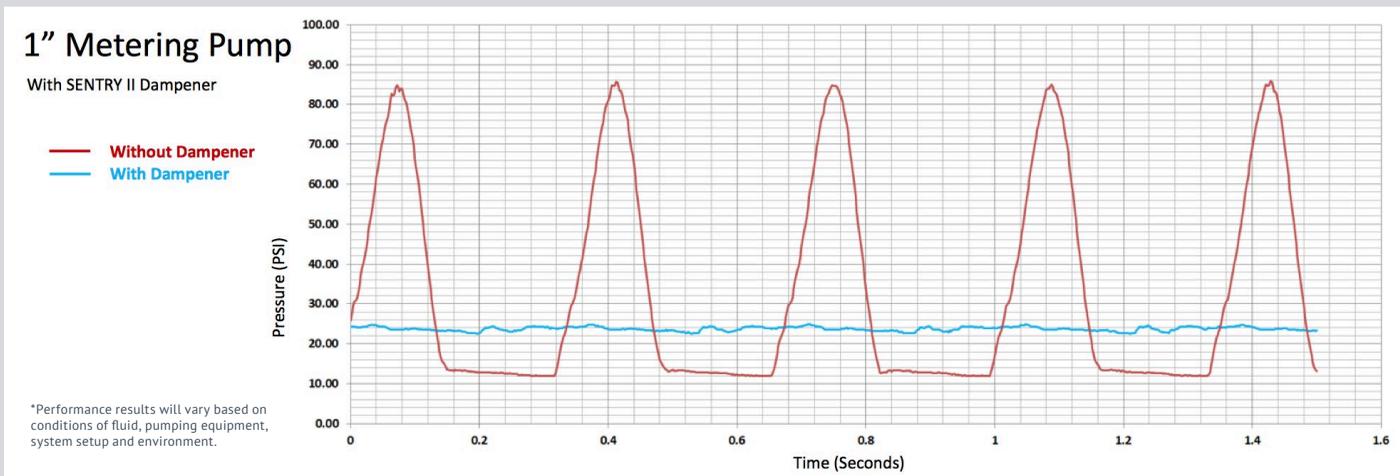
## Air Control Options



## SENTRY Features:

- Positive displacement pump discharge sizes from 1/8" (3.18mm) to 6" (152.4mm)
- Temperature ranges from -60 °F to +400 °F (-51 °C to + 204 °C)
- Custom models available up to 100 gallons (378.5L) & 25,000 psi (1,724 bar)
- The patented "J" Model air control allows for pressure or vacuum settings and is adjustable for suction lift or positive inlet pump conditions. (US Patent 6,089,837)

## SENTRY PERFORMANCE CHART:



	Plastic Series	Metal Series
<b>Body Material</b>	Acetal CPVC Noryl Polypropylene PTFE PVC PVDF	Aluminum Alloy 20 Carbon Steel Coated Hastelloy C Stainless Steel
<b>Bladders &amp; Bellows</b>	Atlas Buna-N Buna-N (Food Grade) EPDM Hypalon Neoprene PTFE Santoprene Silicone (Food Grade) Viton	
<b>Inlet Types</b>	FNPT BSP ANSI Flange DN Flange Socket Weld	FNPT BSP ANSI Flange DN Flange Socket Weld Tri-Clamp
<b>Pressure Ranges</b>	Up to 250 PSI	Up to 15,000 PSI

