

DAMPENERS FOR TOUGH CHEMICALS

Introducing the SW (Socket Weld) Series



SOCKET WELD
IS VIRTUALLY
**LEAK
PROOF!**

Available in PVC and CPVC from 1/2" to 2" connections for hard to seal chemicals like sodium hydrochlorite.

APPLICATIONS:



**Chemical
Process**



**Water
Treatment**



**Paint &
Coating**



**Biotech/
Pharmaceutical**



**Food &
Beverage**



**Pulp, Paper
& Textile**



**Gas, Oil, &
Petrochemical**



**Consumer
Products**

WHEN TO USE A PULSATION DAMPENER

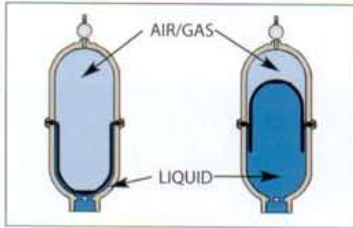
- Reduce pump pulsation, pipe vibration, and shaking up to 99%
- Protect plastic piping, joints, and fittings from breaking or leaking
- Extend pump life and performance
- Minimize pump cavitation
- Limit damaging pressure surges caused by pump start-up and shut-down
- Remove tube motion that abrades and shortens tube life
- Eradicate splashing, foaming, or product degradation
- Ensure accurate reading of flow meters and gauges
- Produce a smooth, even flow for spraying or filling



SENTRY

PULSATION DAMPENERS

PRINCIPLES OF OPERATION:



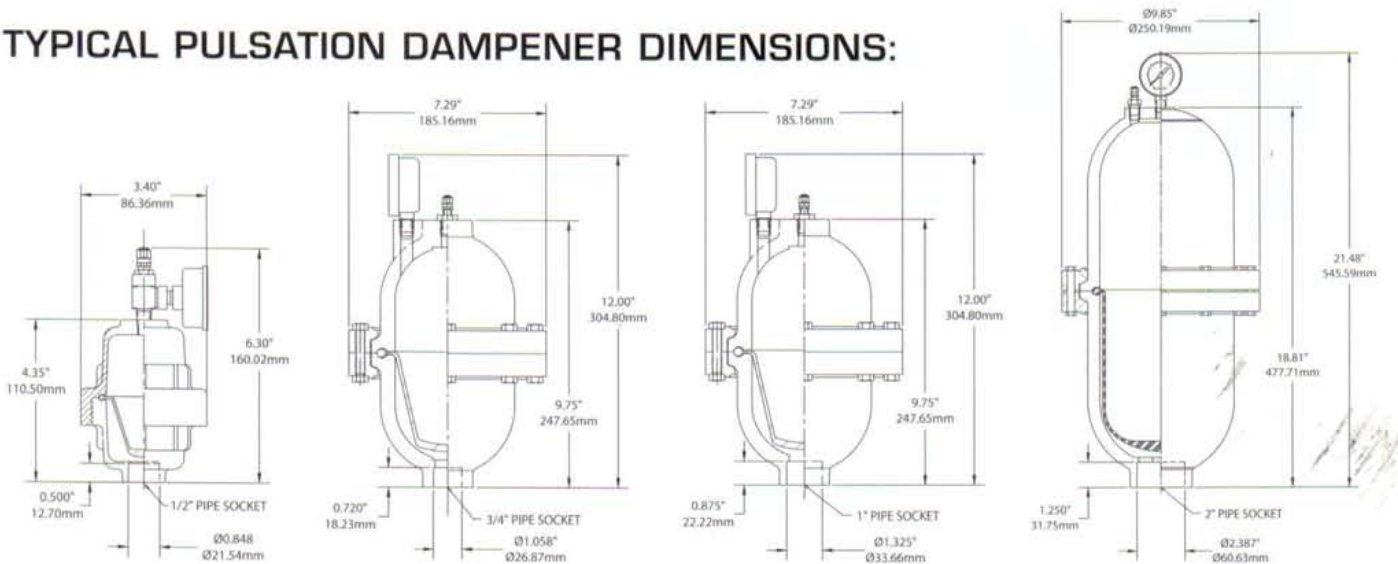
SENTRY operates on the principle that volume is inversely proportional to pressure. Compressed air or gas is introduced into the air chamber of the SENTRY Pulsation Dampener to a

specified pressure. The gas is entrapped by the elastomeric bladder, which prevents contact between the process fluid and compressed gas. (Without the bladder, the gas would dissolve into the fluid and cause product contamination). During pump discharge, fluid enters the wetted chamber of the SENTRY Pulsation Dampener, displacing the bladder, compressing the gas and absorbing the shock. During pump shift, liquid pressure decreases, the dampener gas expands, pushing fluid back into the process line, eliminating up to 99% of system shock and pulsation.

AVAILABLE MODELS:

HOUSING	BLADDER	CU. INCH	INLET SIZE	FASTENING
PVC	Hypalon	4	1/2"	Bolted
CPVC	PTFE	10	3/4"	Ring Band Plastic
		36	1"	Ring Band Metal
		85	2"	Threaded
		175		
		370		

TYPICAL PULSATION DAMPENER DIMENSIONS:



BLACOH FAMILY OF PRODUCTS:



Please call your local distributor:



Call for your FREE Demonstration CD



601 Columbia Ave, Suite D, Riverside, CA 92507 • USA
 Tel: (800) 603-7867 or (951) 342-3100 • Fax: (951) 342-3101
 E-mail: sales@blacoh.com • Website: www.blacoh.com