

# ACCU-PULSE III Pulsation Dampeners

Chargeable / Metal / Dome Top



- remove pulsating flows from positive displacement pumps
- increase system efficiency and pump life
- decrease maintenance and costs
- protect pipes, meters, instruments, valves, gaskets and seals from pulsation and vibration
- ensure meter accuracy, longevity and repeatability
- reduce pressure fluctuations and diaphragm wear
- prevent foaming and splashing

## FEATURES

- CRN is available on certain metallic units
- extensive range of materials
- lightweight, compact design
- 300 psi rating
- easy in-line maintenance
- 2 year warranty

## Technical Data

**Unit Capacity:** 370 CU In

**Weight:** 37-40 pounds

**Air Control:** Gas Fill Valve

**Inlet Port:** 2" NPTF

**Pressure Limit:** 300 psi at 70° F \*\* (optional 1000 psi @ 70° F add suffix -H)

**Shell Materials:** 316L Stainless Steel, Alloy 20, Hastelloy C, Carbon Steel

**Elastomers:** Neoprene, Buna-N, EPDM, Viton, Hypalon, Teflon (max 150 psi)

**\*\*Caution:** Temperature and pressure affect the strength and chemical resistance of plastic and rubber.



PRIMARY FLUID  
SYSTEMS INC.

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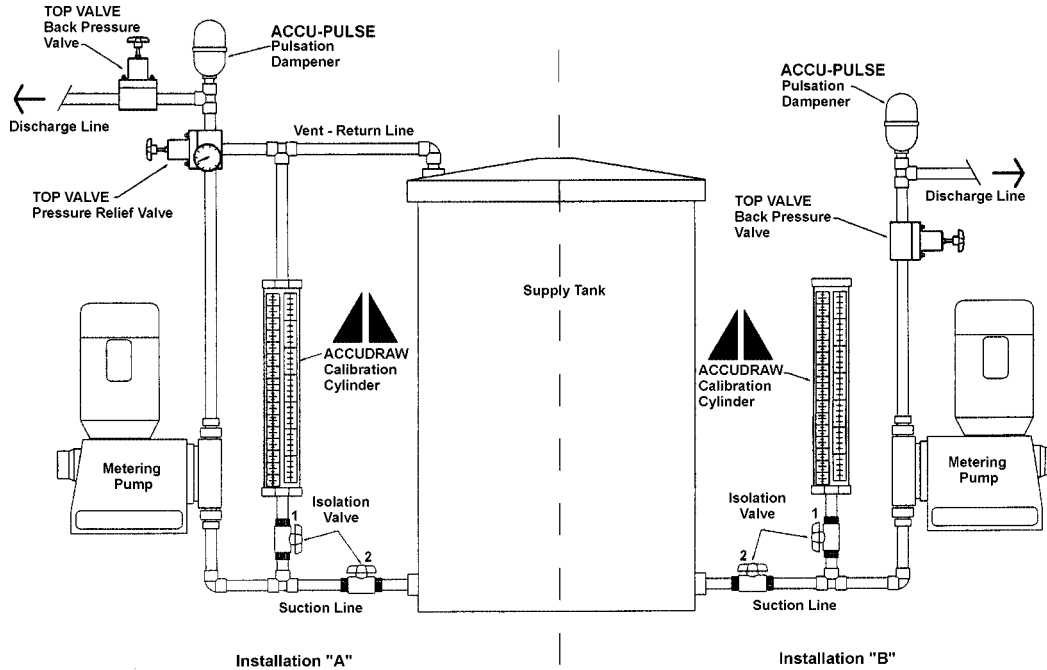
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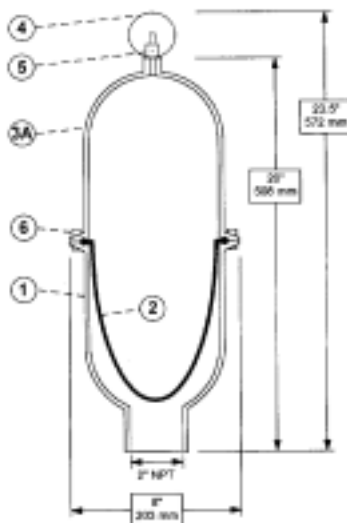
## Operation:

ACCU-Pulse pulsation dampeners operate on the principal that volume is inversely proportional to pressure. Compressed air or gas is introduced into the top section of ACCU-Pulse to a specified pressure that must be lower than the pump's discharge pressure. When a pump or valve introduces a pulse, fluid enters the dampener and compresses the trapped gas. The fluid remains in the dampener until the system pressure returns to normal, when the valve is reopened or the pump begins its next cycle. The fluid is then pushed back into the system piping as the trapped gas expands. ACCU-Pulse does NOT restrict fluid flow, or increase system pressure. ACCU-Pulse fills the fluid voids and pressure fluctuations created by reciprocating pumps.

## Typical Installations:



## Dimensions:



## Parts Description:

Item	Part #	Qty	Description	Material
1	901-28	1	Wetted Housing	Stainless Steel
	907-28		Wetted Housing	Alloy 20
	905-28		Wetted Housing	Hastelloy C
2	101-25	1	Bladder	Neoprene
	201-28		Bladder	EPDM
	201-29		Bladder	Buna - N
	201-30		Bladder	Hypalon
	201-25		Bladder	Viton
	101-55		Bladder	Aflas
	101-10		Bladder	Teflon
3A	901-24	1	NonWetted Housing	316 Stainless Steel
4	101-33	1	Gauge ( Teflon Bladders )	Plastic / Brass
	G40		Gauge ( Rubber Bladders )	S/S / Brass
5	101-71	1	Fill Valve	Stainless Steel
6	901-47	8	Fastener Assembly	Stainless Steel
⊕ Recommended Spare Parts				

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