

ACCU-PULSE I Pulsation Dampeners

Chargeable / Plastic / 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

- lightweight, compact design
- 150 psi rating
- extensive range of materials
- easy in-line maintenance
- 2 year warranty

Technical Data

Unit Capacity: 10 CU In **Weight:** 1 pound

Air Control: Gas Fill Valve

Inlet Port: 1/2" NPTF , optional 3/8" NPTF

Pressure Limit: 150 psi at 70° F **

Shell Materials: Polypropylene, PVC, PVDF

Elastomers: Neoprene, Buna-N, EPDM, Viton, Hypalon, Teflon

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



PRIMARY FLUID
SYSTEMS INC.

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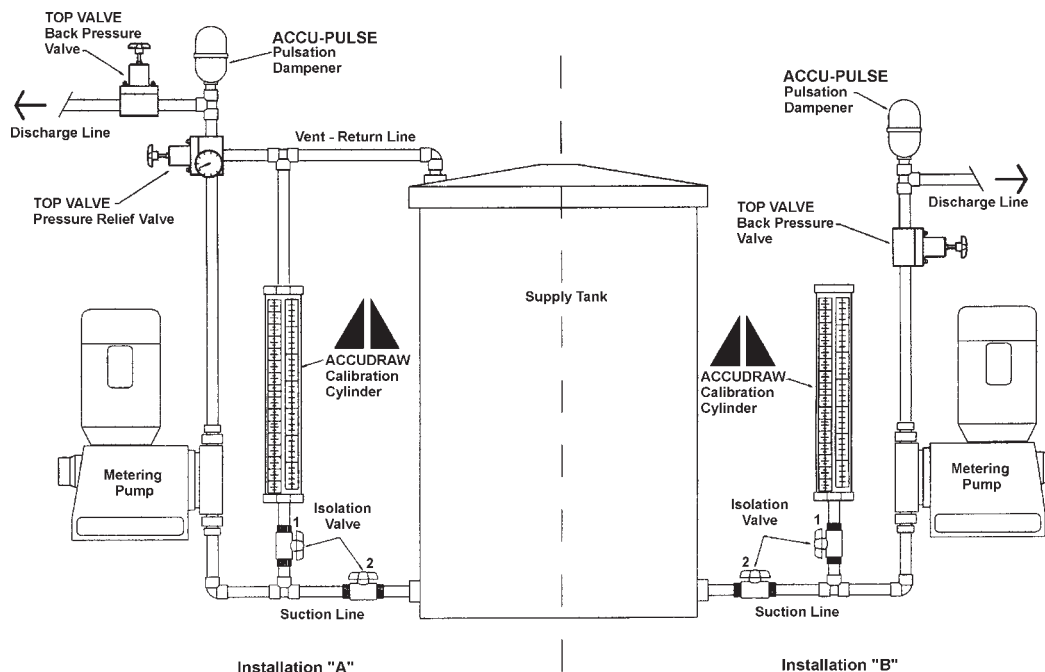
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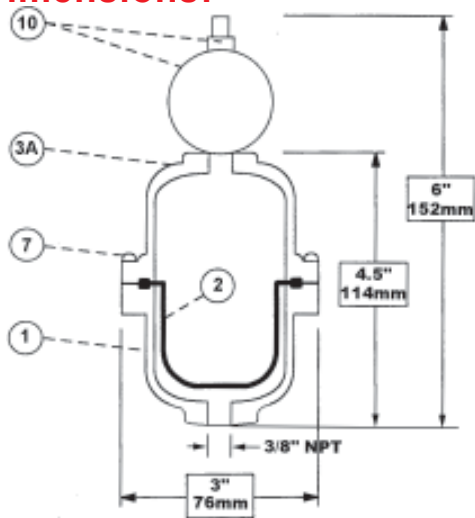
Operation:

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	1010-28-^	1	Wetted Housing	PVC
	P 1000-28-^		Wetted Housing	GF Polypropylene
	K 1000-28-^		Wetted Housing	PVDF
	10X-050		Wetted Housing	CPVC
± 2	1000-25	1	Bladder	Neoprene
	1000-28		Bladder	EPDM
	1000-29		Bladder	Buna-N
	1000-30		Bladder	Hypalon
	1000-31		Bladder	Viton
	1000-55		Bladder	Aflas
	P 1000-10		Bladder (PVC & PP)	Teflon
	K 1000-10		Bladder (PVDF)	Teflon
3A	1010-24	1	NonWetted Housing	PVC
	P 1000-24		NonWetted Housing	GF Polypropylene
	K 1000-24		NonWetted Housing	PVDF
	10X-024		NonWetted Housing	CPVC
7	1000-43	6	Fastener Assembly	S/S (Set of 6)
± 10	1000-58	1	Chargeable Air Assembly	Plastic, Brass, S/S

^ add suffix -0 for units with 3/8" connections
 ^ add suffix -1 for units with 1/2" connections
 ± Recommended Spare Parts

Distributed by:



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