

ACCU-PULSE III Pulsation Dampeners

Chargeable / Plastic / Flat 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: 175 CU In **Weight:** 11-14 pounds

Air Control: Gas Fill Valve

Inlet Port: 2" 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.

Call Toll Free 1-800-776-6580
Tel (905) 333-8743 Fax (905) 333-8746

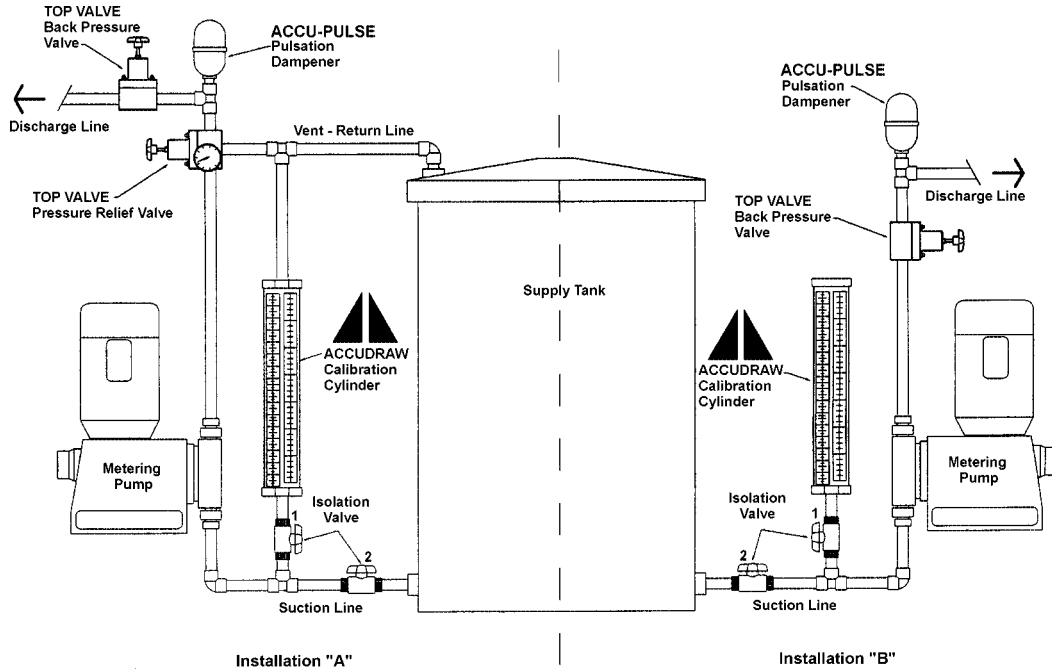
E-Mail: primary@primaryfluid.com
<http://www.primaryfluid.com>

ACCU-PULSE IIF Pulsation Dampeners

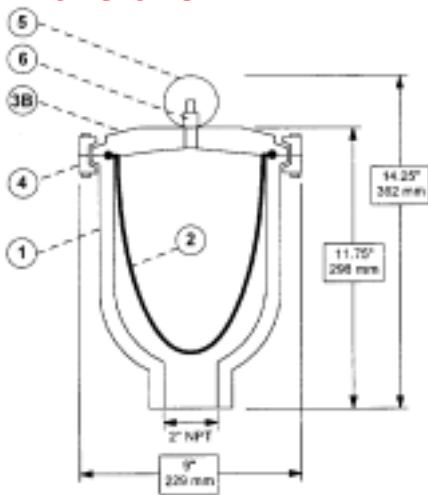
Operation:

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 | 111-27 | 1 | Wetted Housing | PVC |
| | 101-27 | | Wetted Housing | GF Polypropylene |
| | 201-27-^ | | Wetted Housing | PVDF |
| 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 | 111-24 | 1 | NonWetted Housing | PVC |
| | 101-24^^ | | NonWetted Housing | GF Polypropylene |
| 4 | 105-26 | 1 | Ring Band Assembly | GF Noryl |
| 5 | 101-33 | 1 | Gauge | Plastic / Brass |
| 6 | 101-70 | 1 | Fill Valve | Brass |
| ^ add suffix for Wetted Housing and Teflon Bladder APIIIIF only | | | | |
| ⊕ Recommended Spare Parts | | | | |

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