# ACCU-PULSE Pulsation Dampeners



## ACCU-PULSE Pulsation Dampeners have been developed to remove pulsating flows from positive displacement pumps providing:

- increased system efficiency and pump life meter accuracy, longevity and repeatability
- protection of pipes, meters, valves and instrumentation from pulsation and vibration
- prevention of foaming and splashing
- decreased maintenance and costs

### Standard Features Include:

- · lightweight, compact design
- extensive range of materials and sizes
- easy in-line maintenance
- 2 year warranty

For detailed product information visit our website: primaryfluid.com



# CCU-PULSE Pulsation Dampeners

Note: Separate sizing guide available for air operated double diaphragm pumps. Dampener Sizing Guide Standard Simplex Metering Pumps:

The following are general ranges for sizing ACCU-Pulse Pulsation dampeners for metering pump applications. Models stated are based on 10% pressure fluctuations and a Simplex single acting metering pump. For 5% pressure fluctuation, divide the Capacity per Stroke Range numbers in the chart below by 2.

To calculate cubic inches per stroke: gallons per minute = gallons per stroke strokes per minute

Gallons per stroke X 231 cu inches per gallon = cubic inch per stroke

**Example:** .15 = .0015 GPS **Therefore:** .0015 X 231 = 0.3465 Cubic inches per stroke = API Dome Top Dampener 100

Capacity per Stroke Range	Accu-Pulse Dampener
0 to 0.22 Cubic Inches	APIF Flat Top
0.23 to 0.75 Cubic Inches	API Dome Top
0.76 to 2.71 Cubic Inches	APIIF Flat Top
2.72 to 6.40 Cubic Inches	APII Dome Top
6.41 to 12.96 Cubic Inches	APIIIF Flat Top
12.97 to 27.89 Cubic Inches	APIII Dome Top

#### Note:

For other pump factors, or residual pulsation, contact factory.

#### **Ordering Information**

Example: Part # AP - I - PVC - E - 1 - F **Optional Flanges ACCU-PULSE** Add suffix -F for Flanges (ANSI) AΡ = Standard 150/300 PSIG Add suffix -B for BSPT conn. APH = High Pressure 1000/600 PSIG Add suffix -FD for Flanges (DIN) **APX** = High Pressure 4000 PSIG Add suffix -SW for Socketweld conn. Series = 10 cu in capacity 0 = 3/8" npt(f) series I Std Metal IF = 4 cu in capacity = 1/2" npt(f) series I Std Plastic 1 Ш = 85 cu in capacity 2 = 3/4" npt(f) series II Std All IIF = 36 cu in capacity 3 = 1" npt(f) series II (Optional) Ш = 370 cu in capacity = 2" npt(f) series III 4 = 175 cu in capacity IIIF 5 = 3" flanged series IV IV = 1155 cu in capacity (AP only) = 4" flanged series IV 8 = 8 cu in capacity (APX only) 12 = 12 cu in capacity (APX only) **Bellows material** 16 = 16 cu in capacity (APX only) Ν = Neoprene 24 = 24 cu in capacity (APX only) = Buna-N В = Hypalon Н **Body Material** Ε = EPDM (Nordel) PP = Polypropylene V = Viton

PVC = Polyvinylchoride (not available in Series IV)

PVDF = Polyvinyldene Fluoride = 316L Stainless Steel S/S

ALL20 = Alloy 20 (not available in Series IV)

HAST = Hastelloy C = Carbon Steel

CPVC = Chlorinated Polyvinyl Chloride\*†

\* (available in Series I, IF, II, and IIF only)

† (CPVC only, *not* CPVC Corzan)

Т

S

CRN certification available. Food grade material available. Other sizes and materials available. Please contact factory.

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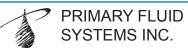
**Size:** 1/2" npt(f)

Body: 316L Stainless Steel

**APX Series available ONLY with:** 

Bellows: Buna-N, EPDM & Viton

#### **Distributed By:**



Call Toll Free 1-800-776-6580

= Teflon

= Santoprene

Tel: (905) 333-8743 Fax: (905) 333-8746 E:Mail: primary@primaryfluid.com www.primaryfluid.com

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