

# FL SERIES PULSATION DAMPENERS

## SIGMAMOTOR

Minimize pulsating output on positive displacement pumps

### Features

SIGMAMOTOR FL Series Pulsation Dampeners offer an inexpensive solution to protect chemical feed systems from harmful effects of pulsating flows.

- Simple chargeable design
- Robust CNC precision machined body
- Provides steady flows for better flow metering accuracy
- Eliminates vibrations in pipes reducing the potential for leaks
- Smooths flows in spray applications

### Specifications

- Capacity - 12, 40 or 85 cu in
- Body Material - PVC, CPVC, PTFE, Polypropylene, Kynar® PVDF, 316 SS, Alloy 20
- Bladder Material - Viton, EPDM or PTFE (optional, 12 cu in only)
- Pressure - 150 psi
- Temperature - 140° F (higher upon request)
- Pressure Gauge - 0 to 160 psi
- Charging Valve - Schrader Type

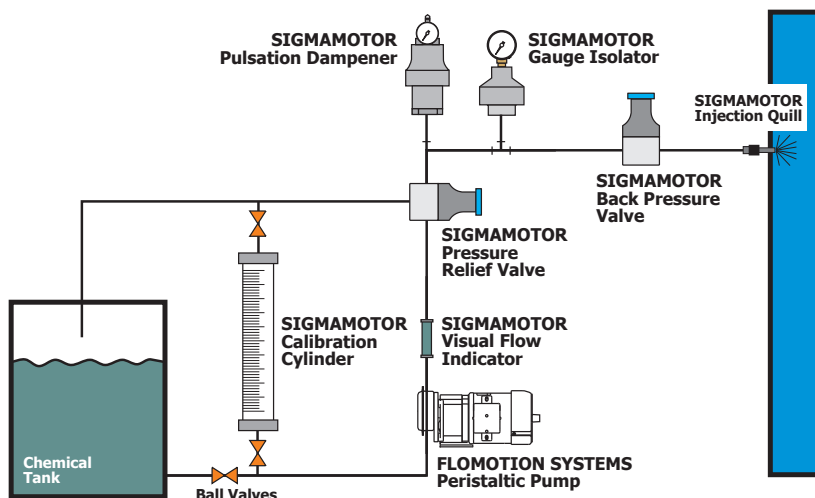


85 cu in



40 cu in

### TYPICAL SYSTEM BLOCK DIAGRAM



12 cu in

**CHEMICAL FEED ACCESSORIES**

# PULSATION DAMPENER - HOW TO ORDER

FL:      -      -      -      -       
           1      2      3      4      5

Example: FL-N-12-P-V-SS

| INLET CONNECTION TYPE <b>1</b> |          |
|--------------------------------|----------|
| NPT                            | <b>N</b> |
| SOCKET                         | <b>S</b> |
| FLANGED                        | <b>F</b> |
| UNION                          | <b>U</b> |

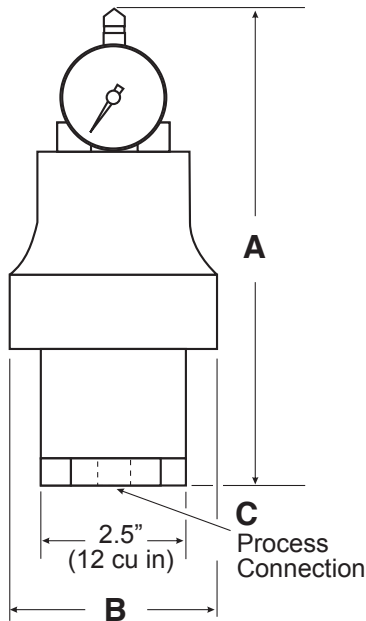
| SIZE <b>2</b>     |        |        |        |        |        |
|-------------------|--------|--------|--------|--------|--------|
| SELECT:           | 12     | 407    | 401    | 857    | 851    |
| CU IN SIZE        | 12     | 40     | 40     | 85     | 85     |
| ML SIZE (in)      | 196.64 | 655.48 | 655.48 | 1392.9 | 1392.9 |
| A-Height (in)     | 7.8    | 8.25   | 8.25   | 11.5"  | 11.5   |
| B-Diameter (in)   | 3.45   | 5.5    | 5.5    | 5.5    | 5.5    |
| C-Connection (in) | 1/2    | 3/4    | 1      | 3/4    | 1      |

| INLET CONNECTION MATERIAL <b>3</b> |           |
|------------------------------------|-----------|
| PVC                                | <b>P</b>  |
| POLYPROPYLENE                      | <b>PP</b> |
| CPVC                               | <b>CP</b> |
| PTFE                               | <b>T</b>  |
| Kynar® PVDF                        | <b>K</b>  |
| 316 SS                             | <b>S</b>  |
| ALLOY 20                           | <b>A</b>  |
| HASTELLOY C276                     | <b>H</b>  |

| BLADDER MATERIAL <b>4</b> |          |
|---------------------------|----------|
| VITON                     | <b>V</b> |
| EPDM                      | <b>E</b> |
| PTFE (12 CU ONLY)         | <b>T</b> |

| GAUGE OPTIONS <b>5</b> |           |
|------------------------|-----------|
| ALL STAINLESS STEEL    | <b>SS</b> |
| NONE                   | <b>X</b>  |

## DIMENSIONS



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