

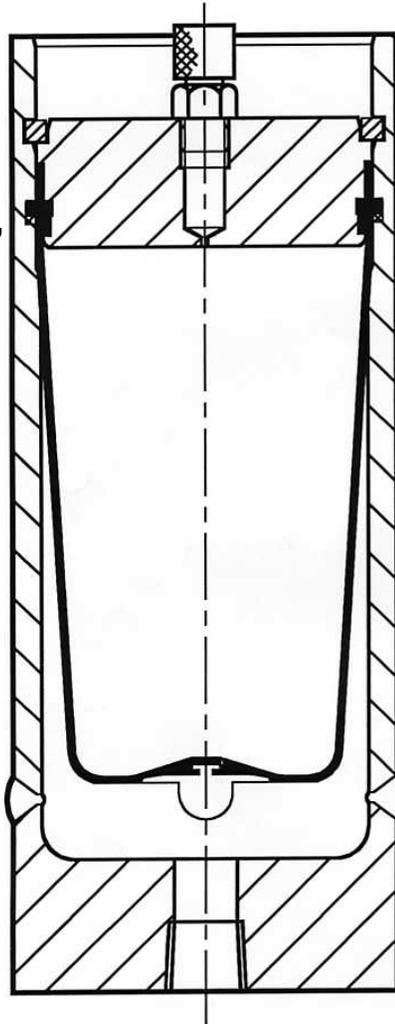


# FG Series Pulsation Dampener

## ASME VIII Design with a Threaded Connection

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- Maintenance friendly top access
- Proprietary Charging Valve with dual seated, poppet design
- Choice of steel or plastic shell materials
- Choice of elastomer bladder materials
- Fully customizable process connection (threaded or flanged)
- Material Certificates
- Welding Procedures
- Design Calculations
- Compliance to most project specifications



Unofficial drawing - For quotational purposes only.  
 Published November 2009. Data subject to change without notice.

| Model Number | Volume (Liters) | ASME VIII Pressure Rating (BarG) | ASME VIII Pressure Rating (PSIG) | Standard Connection (NPT) | Outside Diameter (inches) | Overall Length (inches) | Approx. Weight (lbs) |
|--------------|-----------------|----------------------------------|----------------------------------|---------------------------|---------------------------|-------------------------|----------------------|
| FG-10        | 0.1             | 323                              | 4685                             | 1/2"                      | 2.61"                     | 6.18"                   | 7                    |
| FG-20        | 0.25            | 317                              | 4598                             | 1/2"                      | 3.24"                     | 7.72"                   | 12                   |
| FG-30        | 0.5             | 272                              | 3945                             | 1"                        | 3.74"                     | 9.96"                   | 19                   |
| FG-40        | 1               | 226                              | 3278                             | 1-1/2"                    | 4.72"                     | 10.16"                  | 30                   |
| FG-50        | 2               | 110                              | 1595                             | 1-1/2"                    | 4.50"                     | 15.75"                  | 32                   |
| FG-52        | 2.75            | 110                              | 1595                             | 2"                        | 4.50"                     | 20.43"                  | 39                   |
| FG-57        | 3.5             | 91                               | 1320                             | 2"                        | 5.56"                     | 17.60"                  | 49                   |
| FG-60        | 5               | 56                               | 812                              | 2"                        | 6.63"                     | 17.24"                  | 56                   |
| FG-70        | 7.5             | 56                               | 812                              | 2"                        | 6.63"                     | 21.57"                  | 63                   |
| FG-77        | 10              | 56                               | 812                              | 2"                        | 6.63"                     | 27.05"                  | 72                   |
| FG-80        | 15              | 53                               | 769                              | 2"                        | 8.63"                     | 27.40"                  | 120                  |
| FG-90        | 30              |                                  |                                  |                           |                           |                         |                      |
| FG-100       | 50              |                                  |                                  |                           |                           |                         |                      |
| FG-200       | 100             |                                  |                                  |                           |                           |                         |                      |

*Please contact Flowguard USA for design details.*

All designs are fully customizable including, but not limited to: pressure rating, connection size & type and materials of construction.

Above values are based on standard vessel design with 316 Stainless Steel construction and ASME VIII design calculations at 60°C (140°F).

Common elastomer materials: NBR, EPDM, Viton, Butyl, Hypalon, Hydrogenated NBR, Peroxide-Cured EPDM. Food Grade elastomers available upon request.

Common shell materials: 316 SS, Hastelloy C, Monel, Titanium, Duplex SS, Alloy 20 and Carbon Steel. Plastic options include PVC, Polypropylene and PVDF (Kynar).

For higher design pressures (up to 20,000 PSIG) refer to HG Series Dampeners.

For applications requiring a PTFE membrane, refer to FD or FB Series Dampeners.