



| QTY. | PIPE SIZE NPS | OAL (IN) | LL (IN) | H (IN) | APPROX. SPRING FORCE * (LBS) | WORKING PRESSURE (PSIG) | MAX. TEST PRESSURE (PSIG) | ALLOWABLE MOTIONS X, Y, OR Z |
|------|------------------|-------------|------------|-----------|---------------------------------------|-------------------------------|---------------------------------|------------------------------------|
| | 1-1/2" | 32-1/4" | 15-1/2" | 14-3/4" | 75 | 472 | 708 | 3" |
| | 2" | 36-1/4" | 17" | 16-1/2" | 82 | 516 | 774 | |
| | 2-1/2" | 40" | 18" | 18" | 86 | 387 | 581 | |
| | 3" | 45" | 20" | 21-1/2" | 93 | 316 | 474 | |
| | 4" | 51-1/2" | 22" | 23" | 127 | 232 | 348 | |
| | 5" | 59-1/2" | 24-1/2" | 26-1/4" | 214 | 191 | 286 | |
| | 6" | 66-1/4" | 26-1/2" | 29-1/4" | 228 | 165 | 247 | |
| | 8" | 79" | 29-1/2" | 34-1/4" | 312 | 234 | 350 | |
| | 10" | 93-1/4" | 33-1/2" | 40" | 345 | 230 | 344 | |
| | 12" | 104-3/4" | 35-1/2" | 44-1/2" | 399 | 161 | 241 | |

TOTAL FORCE NECESSARY TO ACCOMODATE FULL MOTION, CALCULATED @ 150 PSIG
NOTE: 1) MAXIMUM OPERATING TEMPERATURE: 800° F. 2) OTHER STYLE FLANGES AVAILABLE.

| * FOR SAFE WORKING PRESSURE ABOVE 70°F, MULTIPLY PRESSURE SHOWN AT 70°F TIMES CORRECTION FACTOR OF REQUIRED TEMP. | |
|----------------------------------------------------------------------------------------------------------------------------|--------|
| TEMP °F | FACTOR |
| 70 | 1.0 |
| 200 | .92 |
| 300 | .86 |
| 400 | .82 |
| 500 | .77 |
| 600 | .73 |

CUSTOMER: _____

PROJECT: _____

ENGINEER: _____

PURCHASE ORDER: _____



| REV. | DATE |
|-----------------------------------------------------------------------------------------------------------------|------------------------|
| | |
| EFPP ENGINEERED FLEXIBLE PRODUCTS, INC. | |
| 5331 Quam Ave., N.E. St. Michael, MN 55376 TEL:763-201-2151 FAX:763-201-2134 www.engineeredflex.com | |
| SEISMIC V-LOOPS FLANGED ENDS: 3" MOVEMENT | |
| DRAWN BY: AD | DATE: 11/02/2010 |
| APPROVED: | DATE: |
| SCALE: NONE | DRAWING NUMBER: SVLF-3 |