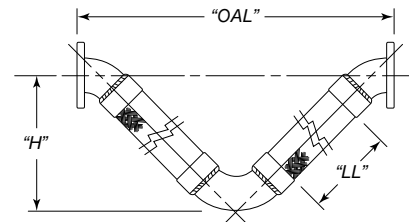
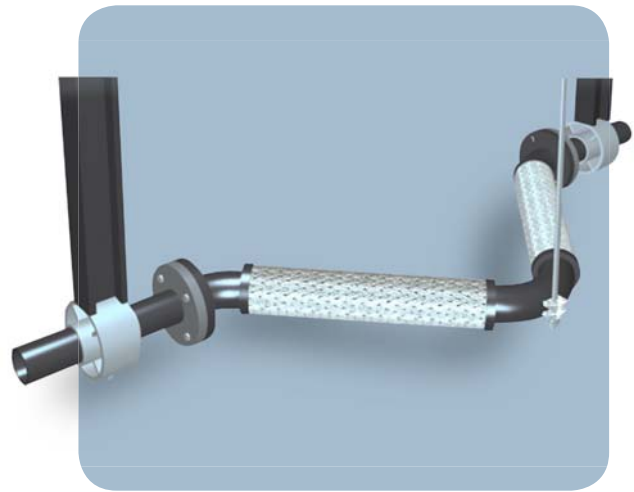


# Seismic Flex Loops

## Unisource Series 420 Flanged V-Loops

**Series 420** is a flanged end loop with carbon steel Class 150 plate flanges as standard ends. Raised face flange style or virtually any other flange configuration can also be ordered. Schedule 40 carbon steel elbows are also standard, but can be specified in other materials.

As in other configurations of **Unisource V-Loops**, choose from either 2", 3", or 4" of motion from center-line. For steam service, Unisource recommends placing the loops in either an inverted or horizontal installation when conveying steam. A drain port should also be specified for steam service. Unisource can also add an eyelet at the 90 degree elbow to accommodate a support rod or cable.



### SERIES 420, FLANGED V-LOOP

**Hose:** Type 321 S/S

**Braid:** Type 304 S/S

**Elbows:** Carbon Steel, Sch 40

**Flanges:** Plate Flanges (standard), 150# ASA Drilled, Carbon Steel

Size (Inches)	Part #	Overall Length OAL (Inches)	Live Length LL (Inches)	Height H (Inches)	Approximate Spring Force (Lbs.) to Deflect the Full Rated Movement			Pressure Ratings (PSIG)		Allowable Motions X, Y, or Z
					Axial	Vertical	Transverse	W.P.	Max. Test	
1-1/2	420-150-2	28-3/4	13-1/4	13-1/4	12	6	11	472	708	2"
2	420-200-2	32-3/4	14-1/2	14-3/4	30	13	22	516	774	
2-1/2	420-250-2	38-3/4	17	17-1/2	86	38	40	387	581	
3	420-300-2	42	18	18-3/4	104	34	70	316	474	
4	420-400-2	48-3/4	20	21-1/2	115	47	85	232	348	
5	420-500-2	56-1/2	22-1/2	25	178	68	90	191	287	
6	420-600-2	62	23-1/2	27	460	68	250	165	248	
8	420-800-2	72	24-1/4	30-1/2	1265	238	350	234	351	
10	420-1000-2	85-1/2	27-3/4	36	1610	765	550	230	345	
12	420-1200-2	96-1/2	29-1/2	40-1/4	1380	680	700	161	242	

1-1/2	420-150-3	32-1/4	15-3/4	15	13	7	13	472	708	3"
2	420-200-3	37	17-1/2	17	34	13	27	516	774	
2-1/2	420-250-3	43	20	19-1/2	104	47	58	387	581	
3	420-300-3	47-3/4	22	21-1/2	121	47	93	316	474	
4	420-400-3	54-1/4	24	24-1/2	144	58	118	232	348	
5	420-500-3	61-1/2	26	27-1/4	204	100	120	191	287	
6	420-600-3	67-3/4	27-1/2	30	530	115	365	165	248	
8	420-800-3	78	28-1/2	33-1/2	1600	417	525	234	351	
10	420-1000-3	93-1/2	33-1/2	40-1/4	2128	808	875	230	345	
12	420-1200-3	103-1/2	34-1/2	44	2010	765	1000	161	242	

1-1/2	420-150-4	36-3/4	19	17-1/4	14	8	15	472	708	4"
2	420-200-4	42	21	19-1/2	37	14	31	516	774	
2-1/2	420-250-4	49-1/4	24-1/2	22-3/4	121	55	75	387	581	
3	420-300-4	53-1/4	26	24-1/2	138	60	115	316	474	
4	420-400-4	60-3/4	28-1/2	27-1/2	173	68	150	232	348	
5	420-500-4	69-1/4	31-1/2	31-1/4	230	132	150	191	287	
6	420-600-4	75-1/2	33	33-3/4	598	162	150	165	248	
8	420-800-4	86-1/2	34-1/2	38	1955	595	700	234	351	
10	420-1000-4	100	38	43-1/4	2875	850	1200	230	345	
12	420-1200-4	114	42	49	2645	850	1300	161	242	

\* Total force necessary to accommodate full motion, calculated @ 150 PSIG.

Note: 1) Maximum operating temperature: 800° F. 2) Other style flanges available.