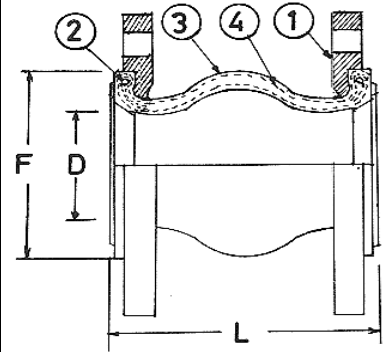


# VIBRATION MANAGEMENT CORPORATION

5930 THOMAS ROAD , HOUSTON , TEXAS 77041 , U.S.A

INTERNET ADDRESS: [www.vimco.biz](http://www.vimco.biz)

MODEL	SIZE (inches)	LENGTH (L) (inches)	(D) (inches)	(F) (inches)	AXIAL COMPRESSION (inches)	AXIAL ELONGATION (inches)	TRANSVERSE DEFLECTION (inches)	ANGULAR DEFLECTION (deg)	OPERATING PRESSURE (psig)	BURST PRESSURE (psig)	VACCUM RATING (inches Hg)	TEMP. RANGE (°F)
FCS-12	1 1/4	6	1.58	2.72	1/2	3/8	1/2	15°	215	700	29	14 - 240
FCS-15	1 1/2	6	1.58	2.72	1/2	3/8	1/2	15°	215	850	29	14 - 240
FCS-20	2	6	2.05	3.39	1/2	3/8	1/2	15°	215	850	29	14 - 240
FCS-25	2 1/2	6	2.68	4.18	1/2	3/8	1/2	15°	215	850	29	14 - 240
FCS-30	3	6	3.00	4.57	1/2	3/8	1/2	15°	215	850	29	14 - 240
FCS-40	4	6	4.06	5.91	5/8	3/8	1/2	15°	215	850	29	14 - 240
FCS-50	5	6	5.04	7.09	5/8	3/8	1/2	15°	215	850	29	14 - 240
FCS-60	6	6	5.99	8.23	5/8	3/8	1/2	15°	215	850	29	14 - 240
FCS-80	8	6	7.64	10.24	5/8	3/8	1/2	15°	215	850	29	14 - 240
FCS-100	10	8	9.85	12.60	3/4	1/2	3/4	15°	215	850	29	14 - 240
FCS-120	12	8	11.82	14.45	3/4	1/2	3/4	15°	215	850	29	14 - 240
FCS-140	14	8	12.60	16.07	3/4	1/2	3/4	15°	115	340	29	14 - 240
FCS-160	16	8	14.65	18.59	3/4	1/2	3/4	15°	115	340	29	14 - 240
FCS-180	18	8	16.34	20.56	3/4	1/2	3/4	15°	115	340	29	14 - 240
FCS-200	20	8	17.88	22.45	3/4	1/2	3/4	15°	115	340	29	14 - 240
FCS-240	24	10	22.45	27.40	3/4	1/2	3/4	15°	115	340	29	14 - 240



N.T.S.

\* Ratings indicated above are for constant pressures at 100°F. For pulsating pressures us 1/2 of rating, for surge pressures us 1/6 of rating. For higher temperatures applications contact factory.

### NOTES

1. Applicable fluids for standard construction: Water (cold/hot/sea), weak acids, alkalies, compressed air etc.
2. Floating flange drilling standard as per customers requirement. (ANSI, BS, DIN, JIS)
3. Control units are recommended for unanchored systems.
4. Expansion joints must be installed per FSA technical handbook guidelines and control units must be installed if system pressure (test/surge/operating) exceeds the ratings below to prevent voiding warranty.  
Upto 4": 150psig. 5" thru 10": 135psig. 12" thru 14": 90psig. 14" and higher: 45psig.

### MATERIALS (see figure)

No.	Description
1	Flange - galvanised steel (drilling available as per ANSI/BS/DIN/JIS)
2	Wire - carbon steel wire strand
3	Elastomer - EPDM
4	Reinforcing fabric - synthetic fiber

### FEATURES

- \* Reduces noise and vibration transmission.
- \* Eliminates stress due to thermal expansion and piping misalignment.
- \* Precision molded of synthetic rubber.
- \* Nylon fabric re-inforcement
- \* Corrosion resistant materials

<u>Notes / Remarks :</u>	<u>Project</u> :	<b>Title :</b> <b>FCS</b> <b>Rubber Expansion Joints</b> <b>Single Bellow</b> <b>Flange Connection</b>	<u>Drawing no.</u> <b>S-2500.02</b>  Rev. 1
	<u>Client</u> :		
	<u>Consultant</u> :		
	<u>Representative</u> :		