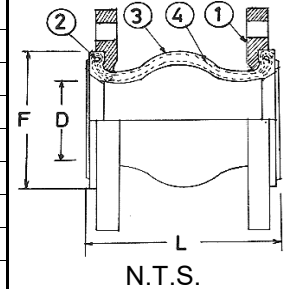


VIBRATION MANAGEMENT CORPORATION

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

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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)	TEMP. RANGE (°F)	AXIAL STIFFNESS COMPR / ELONG (lb/in)	TRANSVERSE STIFFNESS (lb/in)	ANGULAR STIFFNESS (ft-lbs/deg)
FCS-12	1 1/4	6.00	1.58	2.72	1/2	3/8	1/2	15°	215	14 - 158	165 / 215	246	0.06
FCS-15	1 1/2	6.18	1.58	2.72	1/2	3/8	1/2	15°	215	14 - 158	199 / 258	295	0.08
FCS-20	2	6.10	2.05	3.39	1/2	3/8	1/2	15°	215	14 - 158	238 / 311	394	0.17
FCS-25	2 1/2	6.14	2.68	4.18	1/2	3/8	1/2	15°	215	14 - 158	298 / 388	428	0.28
FCS-30	3	6.16	3.00	4.57	1/2	3/8	1/2	15°	215	14 - 158	357 / 466	464	0.45
FCS-40	4	6.16	4.06	5.91	5/8	3/8	1/2	15°	215	14 - 158	477 / 621	536	1.07
FCS-50	5	6.18	5.04	7.09	5/8	3/8	1/2	15°	215	14 - 158	595 / 774	614	2.25
FCS-60	6	6.18	5.99	8.23	5/8	3/8	1/2	15°	215	14 - 158	715 / 929	694	3.75
FCS-80	8	6.18	7.64	10.24	5/8	3/8	1/2	15°	215	14 - 158	794 / 1034	847	7.5
FCS-100	10	8.19	9.85	12.60	3/4	1/2	3/4	15°	215	14 - 158	993 / 1292	910	13.5
FCS-120	12	8.15	11.82	14.45	3/4	1/2	3/4	15°	215	14 - 158	1191 / 1550	1067	24
FCS-140	14	8.15	12.60	16.07	3/4	1/2	3/4	15°	115	14 - 158	1043 / 1356	1256	10.5
FCS-160	16	8.01	14.65	18.59	3/4	1/2	3/4	15°	115	14 - 158	1191 / 1550	1447	42.75
FCS-180	18	8.07	16.34	20.56	3/4	1/2	3/4	15°	115	14 - 158	1340 / 1745	1598	60
FCS-200	20	8.19	17.88	22.45	3/4	1/2	3/4	15°	115	14 - 158	1490 / 1935	1787	85.5
FCS-240	24	10.04	22.45	27.40	3/4	1/2	3/4	15°	115	14 - 158	1787 / 2323	1919	153.75
FCS-280	28	10.51	26.77	31.49	3/4	1/2	3/4	15°	115	14 - 158	CF	CF	CF



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

** Subject to manufacturing tolerance of ± 3/16"

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. Expansion joints must be installed per FSA (Fluid Sealing Association) technical handbook guidelines.
4. Control units are always recommended as a safety precaution (even when system is properly anchored and guided) and must be installed to prevent voiding warranty.

FEATURES

- * Reduces noise and vibration transmission.
- * Eliminates stress due to thermal expansion and piping misalignment.
- * Precision molded of synthetic rubber.

MATERIALS (see figure)

No.	Description
1	Flange - galvanised steel (drilling available as per ANSI/BS/DIN/JIS)
2	Reinforcing ring - carbon steel wire strand
3	Tube + Cover - EPDM
4	Reinforcing fabric - polyester

- * Synthetic fabric re-inforcement
- * Corrosion resistant materials

<u>Notes / Remarks :</u>	Project :	Title : FCS Rubber Expansion Joints Single Bellow Flange Connection	Drawing no. S-2500.02 Rev. 6
	Client :		
	Consultant :		
	Representative :		