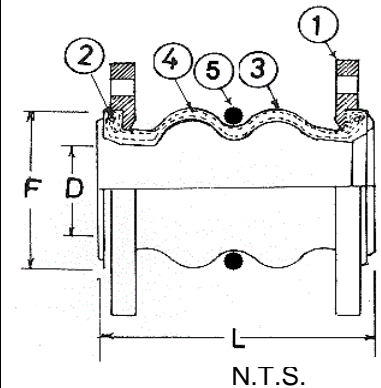


VIBRATION MANAGEMENT CORPORATION

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)	BURST PRESSURE (psig)	VACCUM RATING (inches Hg)	TEMP. RANGE (°F)
FCT-15	1 1/2	7	1.58	2.72	2	3/4	1 3/4	35°	227	850	25	-4 to 212
FCT-20	2	7	2.05	3.39	2	3/4	1 3/4	35°	227	850	25	-4 to 212
FCT-25	2 1/2	7	2.68	4.18	2	3/4	1 3/4	35°	227	850	25	-4 to 212
FCT-30	3	7	3.00	4.57	2	3/4	1 3/4	35°	227	850	25	-4 to 212
FCT-40	4	9	4.06	5.91	2	1	1 1/2	35°	227	850	25	-4 to 212
FCT-50	5	9	5.04	7.09	2	1	1 1/2	35°	227	850	25	-4 to 212
FCT-60	6	9	5.99	8.23	2	1	1 1/2	35°	227	850	25	-4 to 212
FCT-80	8	13	7.64	10.24	2 1/4	1	1 1/4	30°	227	850	25	-4 to 212
FCT-100	10	13	9.85	12.60	2 1/4	1	1 1/4	30°	227	850	25	-4 to 212
FCT-120	12	13	11.82	14.45	2 1/4	1	1 1/4	30°	227	850	25	-4 to 212
FCT-140	14	14	12.60	16.07	1 1/2	3/4	1 1/4	20°	113	340	25	-4 to 212
FCT-160	16	14	14.65	18.59	1 1/2	3/4	1 1/4	20°	113	340	25	-4 to 212
FCT-180	18	14	16.34	20.56	1 1/2	3/4	1 1/4	20°	113	340	25	-4 to 212
FCT-200	20	14	17.88	22.45	1 1/2	3/4	1 1/4	20°	113	340	25	-4 to 212
FCT-240	24	14	22.84	27.17	1 1/2	3/4	1 1/4	20°	113	340	25	-4 to 212



* 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 - hard steel wire
3	Elastomer - EPDM
4	Reinforcing fabric - synthetic fiber
5	Root ring - steel wire

FEATURES

- * Reduces noise and vibration transmission.
- * Eliminates stress due to thermal expansion and piping misalignment.
- * Double bellows allow for greater axial, transverse, and angular movements.
- * External reinforcing root rings supplied as standard
- * Precision molded of synthetic rubber.
- * Nylon fabric re-inforcement
- * Corrosion resistant materials

Notes / Remarks :

Project :	
Client :	
Consultant :	
Representative :	

Title : **FCT**
Rubber Expansion Joints
Double Bellow
Flange Connection

Drawing no. **S-2500.03**

Rev. 2