VIBRATION MANAGEMENT CORPORATION

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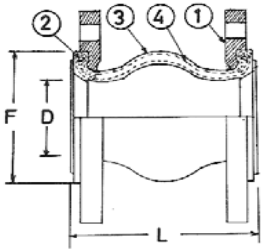
MODEL	SIZE (inches)	LENGTH ** (L) (inches)	(D) (inches)	(F) (inches)	AXIAL COMPRESSION (inches)	AXIAL ELONGATION (inches)	TRANSVERSE DEFLECTION (inches)	ANGULAR DEFLECTION (deg)	OPERATING PRESSURE * (psi)	TEMP. RANGE (°F)	AXIAL STIFFNESS COMPR / ELONG (lb/in)	TRANSVERSE STIFFNESS (lb/in)	ANGULAR STIFFNESS (ft-lbs/deg)
FCS-12-H	1 1/4	6.00	1.58	2.72	0.31	0.15	0.31	15°	362	14 - 158	165 / 215	246	0.06
FCS-15-H	1 1/2	6.18	1.58	2.72	0.31	0.15	0.31	15°	362	14 - 158	199 / 258	295	0.08
FCS-20-H	2	6.10	2.05	3.39	0.31	0.19	0.31	15°	362	14 - 158	238 / 311	394	0.17
FCS-25-H	2 1/2	6.14	2.68	4.18	0.47	0.23	0.39	15°	362	14 - 158	298 / 388	428	0.28
FCS-30-H	3	6.16	3.00	4.57	0.47	0.23	0.39	15°	362	14 - 158	357 / 466	464	0.45
FCS-40-H	4	6.16	4.06	5.91	0.70	0.39	0.47	15°	362	14 - 158	477 / 621	536	1.07
FCS-50-H	5	6.18	5.04	7.09	0.70	0.39	0.47	15°	362	14 - 158	595 / 774	614	2.25
FCS-60-H	6	6.18	5.99	8.23	0.70	0.39	0.47	15°	362	14 - 158	715 / 929	694	3.75
FCS-80-H	8	6.18	7.64	10.24	0.98	0.55	0.86	15°	362	14 - 158	794 / 1034	847	7.5
FCS-100-H	10	8.19	9.85	12.60	0.98	0.55	0.86	15°	362	14 - 158	993 / 1292	910	13.5
FCS-120-H	12	8.15	11.82	14.45	0.98	0.55	0.86	15°	362	14 - 158	1191 / 1550	1067	24
FCS-140-H	14	8.15	12.60	16.07	0.98	0.62	0.86	15°	232	14 - 158	1043 / 1356	1256	10.5
FCS-160-H	16	8.01	14.65	18.59	0.98	0.62	0.86	15°	232	14 - 158	1191 / 1550	1447	42.75
FCS-180-H	18	8.07	16.34	20.56	0.98	0.62	0.86	15°	232	14 - 158	1340 / 1745	1598	60
FCS-200-H	20	8.19	17.88	22.45	0.98	0.62	0.86	15°	232	14 - 158	1490 / 1935	1787	85.5
FCS-240-H	24	10.04	22.45	27.40	0.98	0.62	0.86	15°	232	14 - 158	1787 / 2323	1919	153.75
FCS-280-H	28	10.51	26.77	31.49	0.98	0.62	0.86	15°	232	14 - 158	CF	CF	CF



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.*

*** Subject to manufacting 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 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.

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 - EDPM
4	Reinforcing fabric - polyester

FEATURES

* Withstands high pressure
* Reduces noise and vibration transmission
* Eliminates stress due to thermal expansion and piping misalignment
* Precision molded of synthetic rubber
* Synthetic fabric re-inforcement
* Corrosion resistant materials

Notes / Remarks :

Project :

Client :

Consultant :

Representative :

Title : **FCS-H** High Pressure Rubber Expansion Joints Single Bellow, Flange Connection

Drawing no. **S-2500.12**

Rev. **8**