VIBRO-ACOUSTICS®
A Swegon Group company

MEMBER VISCMA

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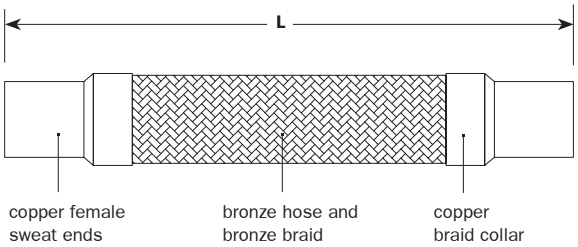
FCB Bronze Flexible Connectors

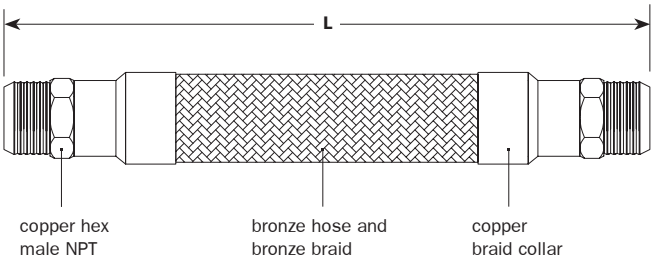
FCB-SW FCB-CM

File No.: FCB-001 Date: 30 Oct 2014
Supersedes: New Date: New

FCB-SW



FCB-CM



PERFORMANCE AND DIMENSIONS

Model	Nominal Size in	Nominal Size mm	"L" Overall Length in	"L" Overall Length mm	Lateral Offset in	Working Pressure @ 70°F psi
FCB-0.25-SW	1/4	8	6	152	1/16	934
FCB-0.38-SW	3/8	10	6	152	1/16	704
FCB-0.50-SW	1/2	15	6 1/6	165	1/16	566
FCB-0.75-SW	3/4	20	7	178	1/16	468
FCB-1-SW	1	25	8	203	1/16	334
FCB-1.25-SW	1 1/4	32	8 1/2	216	1/16	306
FCB-1.50-SW	1 1/2	40	9	229	1/16	297
FCB-2-SW	2	50	10 1/2	267	1/16	210
FCB-2.50-SW	2 1/4	65	12	305	1/16	194
FCB-3-SW	3	80	12	305	1/16	166
FCB-4-SW	4	100	12	305	1/16	145
FCB-0.25-CM	1/4	8	6	152	1/16	1287
FCB-0.38-CM	3/8	10	6	152	1/16	464
FCB-0.50-CM	1/2	15	6 1/2	165	1/16	487
FCB-0.75-CM	3/4	20	7	178	1/16	572
FCB-1-CM	1	25	8	203	1/16	267
FCB-1.25-CM	1 1/4	32	8 1/2	216	1/16	243
FCB-1.50-CM	1 1/2	40	9	229	1/16	251
FCB-2-CM	2	50	10 1/2	267	1/16	167
FCB-2.50-CM	2 1/2	65	12	305	1/16	194
FCB-3-CM	3	80	12	305	1/16	166
FCB-4-CM	4	100	12	305	1/16	145

TEMPERATURE DERATING FACTORS

Temperature °F	SW	CM
150	-	0.92
200	0.94	0.89
250	0.92	0.86
300	0.88	0.83
350	0.86	0.81
400	0.83	0.78
500	0.78	0.75
600	0.74	-
700	0.70	-

NOTES

- Standard End Fittings:
  SW: Copper Female Sweat Ends
  CM: Copper Hex Male NPT Ends
- 3/4″ offset available as standard upon request. Dimensions may vary
- Contact Vibro-Acoustics for custom size and style requirements
- See "Temperature Derating Factors Chart" for pressure derating multipliers by temperature. Apply multiplier to the working pressure to calculate the operating pressure at the corresponding temperature. i.e. working pressure for FCB-1-CM at 200°F is 0.89 × 267 psi = 238 psi
- Flexible connectors with higher pressure ratings can be custom built with additional braid layers

Project:	Model: QTY of sets required:
Customer:	DWN: CHK: REV: DATE:
Consultant:	TAG: UNIT:
V-A Project No.:	COMMENTS:
V-A Project Manager:	