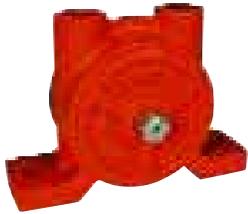


PNEUMATIC VIBRATORS

Most Commonly Used

Permanently Mounted or with Bracketry for Concrete



ROLLER VIBRATORS

BS-160, -380, -570

TURBINE VIBRATORS



CCF-2000, -5000

VS & BVS

HIGH FREQUENCY VIBRATORS



SVRFS-4000



SVRFS-5500



SVR-4000

HYDRAULIC VIBRATORS



SVRS-5500



HF-3000

There are a number of pneumatic units used in the concrete field. The ones listed here are the most common. They will all give satisfactory results but it is wise to recognize the advantages and limitations of each model.

Roller Vibrators Model BS with one moving part, a roller spinning free inside the housing. The preferred unit hand held or attached to small statuettes or the like forms, will make the stiffest mixes liquefy and flow, eliminating air entrapment. These units need lubricated air. Air consumption quite a bit higher than the turbines, speeds up to 11-12000 VPM, noise level 80-90 dB, force to 3000 lbs. Recommended pressure up to 80 PSI.

Turbine Models VS & BVS consist of a turbine wheel spinning on bearings attached to the shaft. The only ones not needing lubrication, they have the lowest dB reading 72-78 which is no more noise than an electric motor. They also have the lowest air consumption. Speed on the smaller units 7-8000, on the larger ones 5-6000, force up to 5000 lbs., recommended pressure up to 80 PSI.

Model SVR's the real workhorses of the pneumatic line. These vane roller units are bearingless with only two moving parts, a delrin vane and a rotor. They need a continuous lubricated air flow. These units are both the high force, up to 8000 lbs., and the high frequency units, up to 12000 VPM, preferred on the large concrete job for fast pour of the stiffest mixes, fast consolidation for optimum strength and architectural surface finish. Forces from 4000 to 8000 lbs. Frequencies from 9500 to 12000 VPM. Special units can be made for up to 16000 VPM. The most common ones are the lug type, see page 6 & 7.

Two models available: SILENT and Conventional

A. The conventional models with a dB reading of 95-100 are the low cost models. Due to the noise level of conventional models the silent versions may be a better choice.

B. Silent Models, the SVRS line, have a dB reading of 80-85 (within the OSHA limits). These patented units channel the air throughout the unit in such a way it eliminates much of the noise created in the conventional units. Force and speed matches the conventional units size for size.

VIBCO's patented SVR's have some definite advantages over other makes, such as:

- **VIBCO's "START EVERY TIME"**
- **VIBCO's** patented air saver chamber saves air- other units must exhaust all air before starting a cycle
- **VIBCO's** patented wear plates eliminate costly end cover wear which can create sluggish operation, excessive air consumption, and costly down time
- **VIBCO's** vibrators are made in the U.S.A.

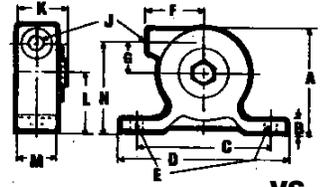
HYDRAULIC MODELS

The hydraulic model HF-3000 operates on pressures up to 1500 PSI and creates 3000 lbs. of force at 7000 VPM.

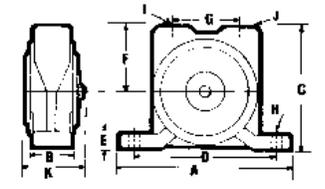
TECHNICAL DATA

MODEL	Weight		80 PSI		Force		dB*
	lbs.	kg.	Speed VPM*	CFM	lbs.	N	
TURBINE VIBRATORS							
VS-320	6.5	2.9	6800	11	600	2669	69
VS-380	11.5	5.2	5200	17	725	3226	72
BVS-380	13	5.8	5000	18	670	2981	74
BVS-510	16	7.3	4500	21	900	4004	77
BVS-570	23	10.4	4000	26	1050	4671	83
CCF-2000	23	10.5	6000	40	2000	8998	78
CCF-4000	23	10.5	6000	40	4000	17996	78A
CCF-5000	48	21.8	6000	50	5000	22245	75
ROLLER VIBRATORS							
BS-160	3	1.4	14500	10	300	1335	83
BS-380	13	5.9	10000	21	1450	6450	85
BS-570	25	11.4	10500	46	3000	13347	88
HIGH FREQUENCY VIBRATORS							
SVR-4000	23	10.4	11500	40	3600	16000	90
SVRFS-4000	23	10.4	11500	40	3600	16000	78
SVRF-5500	37	16.8	9000	56	4950	22000	98
SVRFS-5500	40	18	9000	56	4950	22000	82
SVR(S)-5500	40	18	9000	56	4950	22000	82
HYDRAULIC VIBRATORS							
			1000PSI	GAL/MIN			
HF-3000	39	17.7	7000	6	3000	13347	76

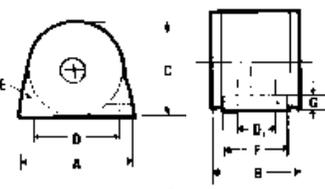
*Frequency and Air Consumption will vary with load. **dB @ 3' (1 meter) on A scale
N = Centrifugal Force in Newton



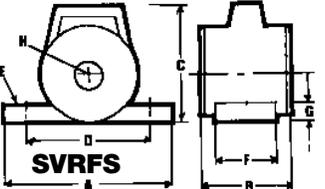
VS



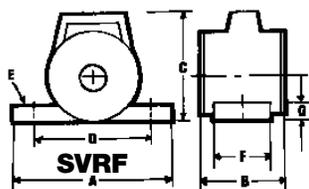
BS & BVS



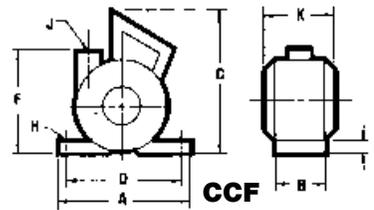
SVR-4000



SVRFS



SVRF



CCF



HF

DIMENSIONS

MODEL	A inch/mm	B inch/mm	C** inch/mm	D inch/mm	E inch/mm	F inch/mm	G inch/mm	H inch/mm	I inch/mm	J inch/mm	K inch/mm	L inch/mm	M inch/mm
VS-320	4 ⁵ / ₈ 117	3/4 19	4 102	5 ⁹ / ₁₆ 135	1/2 12	2 ¹ / ₄ 57	1 ¹ / ₈ 29	4 ¹ / ₈ 105	-	3/8 - NPT	4 102	2 ³ / ₄ 70	1 ¹ / ₂ 38
VS-380	4 ⁷ / ₈ 124	1 25	5 ¹ / ₂ 140 1 ¹ / ₄ 32	6 ³ / ₈ 168	3/8 10	2 ⁷ / ₈ 73	1 ¹ / ₂ 38	4 102	-	3/8 - NPT	4 ³ / ₈ 111	2 ³ / ₈ 60	2 ¹ / ₈ 54
BVS-380	7 ¹ / ₈ 200	1 ⁷ / ₈ 48	5 ⁷ / ₁₆ 138	6 152	1 ¹ / ₈ 29	-	2 ⁷ / ₈ 73	5/8 16	3/8 - NPT	1/2 - NPT	4 ⁵ / ₈ 117	-	-
BVS-510	8 ³ / ₁₆ 224	2 ³ / ₁₆ 56	5 ³ / ₄ 146	7 178	1 ¹ / ₄ 32	-	3 ¹ / ₈ 79	5/8 16	1/2 - NPT	3/4 - NPT	4 ³ / ₄ 121	-	-
BVS-570	10 ¹ / ₁₆ 256	2 ⁷ / ₈ 73	7 178	8 203	3/4 19	-	3 ³ / ₁₆ 97	3/4 19	3/4 - NPT	1 - NPT	5 ³ / ₈ 137	-	-
BS-160	5 ¹ / ₂ 140	1 ¹ / ₄ 32	3 ⁵ / ₈ 92	4 102	9/16 14	2 51	1 ¹³ / ₁₆ 46	3/8 10	1/4 - NPT	3/8 - NPT	1 ⁹ / ₁₆ 40	-	-
BS-380	7 ¹ / ₈ 200	1 ⁷ / ₈ 48	5 ⁷ / ₁₆ 138	6 152	1 ¹ / ₈ 29	-	5/8 16	2 ⁷ / ₈ 73	3/8 - NPT	1/2 - NPT	4 ⁵ / ₈ 117	-	-
BVS-570	10 ¹ / ₁₆ 256	2 ⁷ / ₈ 73	7 178	8 203	3/4 19	-	3/4 19	3 ³ / ₁₆ 97	3/4 - NPT	1 - NPT	5 ³ / ₈ 137	-	-
CCF-2000&4000	7 ⁵ / ₈ 194	2 51	7 ³ / ₈ 187	5 ⁹ / ₁₆ 151	3/4 19	5 ⁷ / ₁₆ 138	-	9/16 14	-	3/4 - NPT	7 ³ / ₄ 197	-	-
CCF-5000&7000	10 ¹ / ₁₆ 256	3 76	9 229	8 203	1 25	6 153	-	3/4 19	-	1 - NPT	8 ¹ / ₂ 216	-	-
SVRFS-4000	7 ⁵ / ₈ 194	7 ³ / ₄ 197	7 ³ / ₈ 187	6 152	9/16 14	2 51	3/4 19	3/4 19	-	-	-	-	-
SVRFS-5500	10 ¹ / ₈ 257	8 ⁵ / ₈ 219	8 ¹ / ₈ 206	7 ³ / ₄ 197	1 ¹ / ₁₆ 18	3 ¹ / ₄ 83	1 ¹ / ₈ 29	3/4 19	-	-	-	-	-
SVRF-5500	10 ¹ / ₄ 260	5 ⁷ / ₈ 149	8 ¹ / ₈ 206	8 203	3/4 19	3 ¹ / ₄ 83	-	-	-	-	-	-	-
SVR-4000	7 ¹ / ₂ 191	6 ¹ / ₈ 156	5 127	6 ¹ / ₄ 158	1/2 12	3 ⁷ / ₁₆ 87	7/8 22	2 51	-	-	-	-	-
SVRS-5500	6 ⁷ / ₈ 175	6 ¹ / ₁₆ 154	7 ³ / ₈ 187	-	-	3 ¹ / ₂ 89	-	-	-	-	-	-	-
HF-3000	10 ³ / ₈ 264	8 ³ / ₄ 222	11 ¹ / ₄ 286	8 ¹ / ₂ 216	1/2 - NPT	3/4 19	-	3 76	-	-	-	-	-

NOTE: Dimensions and data subject to change without notice.