

GLOBAL BALL VIBRATOR PERFORMANCE DATA

VIBRATOR MODEL	Air Pressure														
	UNBALANCE	Start Min		20 psi (1.4 bar)			40 psi (2.8 bar)			60 psi (4.1 bar)			80 psi (5.5 bar)		
		Vert	Horz	Speed	Flow	Force	Speed	Flow	Force	Speed	Flow	Force	Speed	Flow	Force
		lb-in	psi	psi	rpm	cfm	lb	rpm	cfm	lb	rpm	cfm	lb	rpm	cfm
kg-mm	bar	bar		lpm	N		lpm	N		lpm	N		lpm	N	
BS-10	0.004	5	2	16,000	4.3	25	20,000	7.0	40	22,000	9.0	48	22,800	10.8	52
	0.04	0.3	0.1		122	113		198	177		255	214		306	230
BS-13	0.01	5	2	11,400	4.3	26	19,200	7.0	73	22,800	9.0	103	24,900	10.8	123
	0.08	0.3	0.1		122	115		198	326		255	200		306	548
BS-16	0.022	15	7	9,400	4.1	50	13,000	6.4	93	14,000	8.2	110	14,800	10.0	138
	0.26	1.0	0.5		116	222		181	414		232	489		283	614
BS-19	0.043	20	10	8,600	5.5	89	11,000	8.4	150	13,000	11.0	200	14,800	13.7	269
	0.50	1.4	0.7		156	396		238	667		311	890		388	1195
BS-25	0.123	30	15	5,700	7.5	110	6,900	12.0	160	8,200	16.0	230	9,600	19.8	322
	1.42	2.1	1.0		212	489		340	712		453	1023		561	1432
US-13	0.009	5	2	13,000	6.5	45	18,000	11.0	84	20,000	15.0	110	22,400	19.0	134
	0.11	0.3	0.1		184	200		311	374		425	489		538	596
US-19	0.043	20	10	8,700	5.5	92	11,000	8.4	160	13,000	12.0	210	15,000	16.0	276
	0.50	1.4	0.7		156	409		238	712		340	934		453	1228
US-25	0.123	30	15	6,300	7.0	140	8,400	12.0	240	9,100	16.0	280	9,600	20.0	322
	1.42	2.1	1.0		198	623		340	1068		453	1246		566	1432
US-38	0.524	50	25	4,300	12.0	270	5,600	19.0	470	6,000	25.0	540	6,200	31.0	572
	6.03	3.4	1.7		340	1201		538	2091		708	2402		878	2542
CS-19	0.043	20	10	9,100	5.7	100	12,000	8.4	170	14,000	12.0	220	17,000	15.7	355
	0.50	1.4	0.7		161	445		238	756		340	979		445	1577
CS-25	0.123	30	15	6,300	7.8	130	8,100	13.0	220	9,200	18.0	290	10,000	22.3	349
	1.42	2.1	1.0		221	578		368	979		510	1290		631	1554
CS-35	0.240	50	25	5,300	7.8	190	6,700	13.0	310	7,600	16.0	390	8,100	19.0	447
	2.77	3.4	1.7		221	845		368	1379		453	1735		538	1989
DS-41	0.815	55	25	3,200	13.0	240	4,000	21.0	370	4,400	27.0	450	4,900	33.7	555
	9.38	3.8	1.7		368	1068		595	1646		765	2002		954	2471
DS-51	1.300	60	30	3,100	13.0	350	4,000	20.0	580	4,300	27.0	680	4,600	33.7	781
	14.98	4.1	2.1		368	1557		566	2580		765	3025		954	3475