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Pneumatic Ball Vibrators

DAYTON

Suitable for continuous operation in harsh outdoor conditions with small- to medium-size hoppers, bins, chutes, and pipes. Anodized aluminum housing. Maintenance-free when used with filtered/lubricated air.

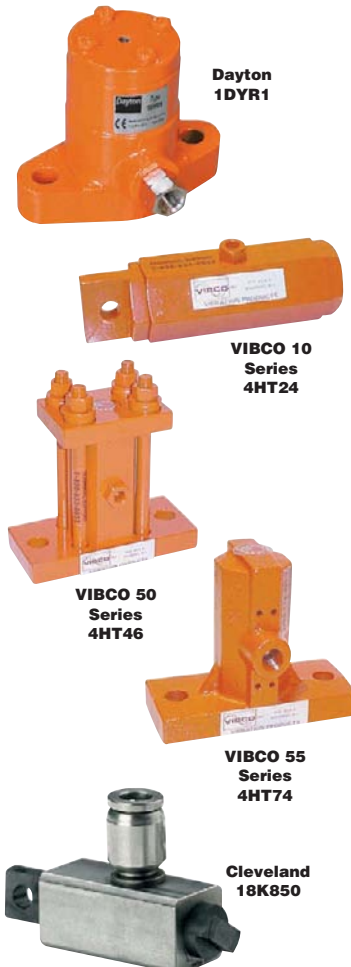
VIBCO

Simple ball design is built for rough use and continuous operation on a wide variety of hoppers, bins, and chutes. Clean air and lubrication are recommended for longer life. Threaded exhaust ports.

V and BV Series—V series units are built to fit in minimal space locations. BV series vibrators are designed with industry-standard bolt pattern for easy interchange.

BB Series—Built for small to medium amounts of vibration on laboratory equipment, small hoppers, parts feeders, chutes, and match plates.

Force Rating @ 80 psi	CFM @ 80 psi	Speed @ 80 psi	dB @ 80 psi	Overall Dim.			Bin Wt. Cap.	Inlet Port	Outlet Port	Muffler	Mfr. Model	Item No.
				L	W	H						
Dayton												
242 lb	9.9	19,500 vpm	76	4 1/2 in	2 in	2 1/2 in	2,420 lb	1/4 in NPT	1/4 in BSPP	Included	1DYN9	1DYN9
378 lb	12	16,500 vpm	76	5 in	2 3/8 in	3 1/8 in	3,780 lb	1/4 in NPT	1/4 in BSPP	Included	1DYP1	1DYP1
451 lb	15.0	14,000 vpm	80	5 in	2 3/8 in	3 1/8 in	4,510 lb	1/4 in NPT	1/4 in BSPP	Included	1DYP2	1DYP2
706 lb	20.1	12,500 vpm	80	6 1/4 in	3 1/8 in	4 in	7,060 lb	3/8 in NPT	3/8 in BSPP	Included	1DYP3	1DYP3
891 lb	23.8	10,000 vpm	86	6 3/4 in	3 1/8 in	4 in	8,910 lb	3/8 in NPT	3/8 in BSPP	Included	1DYP4	1DYP4
VIBCO												
V Series												
55 lb	6	24,000 vpm	75	3 3/8 in	1 1/8 in	2 in	550 lb	1/8 in NPT	1/8 in NPT	Included	V-100	4HV27
80 lb	7.5	19,000 vpm	72	4 1/8 in	1 1/8 in	2 3/8 in	800 lb	1/8 in NPT	1/8 in NPT	Included	V-130	4HV28
260 lb	10	14,000 vpm	73	5 1/8 in	2 3/8 in	3 3/8 in	2,600 lb	1/4 in NPT	1/4 in NPT	1A326	V-190	4HV29
380 lb	11	10,500 vpm	72	5 9/16 in	2 7/8 in	3 1/2 in	3,800 lb	1/4 in NPT	1/4 in NPT	1A326	V-250	4HV30
600 lb	15	6,200 vpm	78	6 7/8 in	2 1/8 in	4 1/8 in	6,000 lb	3/8 in NPT	3/8 in NPT	1A327	V-380	4HV32
650 lb	14	8,900 vpm	78	5 9/16 in	2 3/4 in	4 7/8 in	6,500 lb	3/8 in NPT	3/8 in NPT	1A327	V-320	4HV31
BV Series												
55 lb	6	24,000 vpm	74	3 3/8 in	1 1/8 in	2 1/2 in	550 lb	1/8 in NPT	1/8 in NPT	1A325	BV-60	4HT95
80 lb	7.5	19,000 vpm	76	4 7/8 in	1 1/8 in	2 3/4 in	800 lb	1/8 in NPT	1/8 in NPT	1A326	BV-130	4HT90
260 lb	10	14,000 vpm	77	5 1/2 in	2 1/4 in	3 9/16 in	2,600 lb	1/4 in NPT	1/4 in NPT	1A326	BV-190	4HT91
380 lb	11	10,500 vpm	79	6 3/4 in	2 1/8 in	3 9/16 in	3,800 lb	1/4 in NPT	1/4 in NPT	1A326	BV-250	4HT92
480 lb	14	7,500 vpm	80	6 1/8 in	2 3/4 in	4 1/8 in	4,800 lb	3/8 in NPT	3/8 in NPT	1A327	BV-320	4HT93
600 lb	15	6,200 vpm	82	7 1/8 in	2 1/8 in	5 1/4 in	6,000 lb	3/8 in NPT	3/8 in NPT	1A327	BV-380	4HT94
BB Series												
55 lb	6	24,000 vpm	75	3 1/4 in	1 3/8 in	2 in	550 lb	1/8 in NPT	1/8 in NPT	1A325	BB-100	4HT84
80 lb	7.5	19,000 vpm	72	3 3/4 in	1 1/8 in	2 1/4 in	800 lb	1/4 in NPT	1/4 in NPT	1A326	BB-130	4HT85
140 lb	8	15,000 vpm	76	4 1/8 in	2 in	2 9/16 in	1,400 lb	1/4 in NPT	1/4 in NPT	1A326	BB-160	4HT86
250 lb	11	15,500 vpm	77	4 1/8 in	2 in	2 9/16 in	2,500 lb	1/4 in NPT	1/4 in NPT	1A326	BB-190	4HT87



Pneumatic Piston Vibrators

DAYTON

Cast-iron vibrators are maintenance-free when used with filtered/lubricated air. Start in every mounting orientation to keep material flowing from bins, hoppers, chutes, and pipes. For sticky, coarse, or high-moisture materials.

VIBCO

High-impact and efficient energy transfer ensure a smooth flow of material through bins, chutes, and weigh batchers. Can be used in any mounting orientation. Lubrication required. For industry, mining, chemical plants, plastics, manufacturing, foundries, and paper plants.

10 Series—Basic vibrators for foundry match-plate applications feature all-steel construction with end-mounted single attaching head.

50 Series—All-steel construction withstands abuse and handles tough flow applications including sticky, high-moisture, and coarse materials. Hardened ground piston for long life. 4HT60 long-stroke, low-frequency version is great for material packing applications.

55 Series—Low-cost, 1-pc. cast-iron housing, and only 3 parts, total.

CLEVELAND

Dual-diameter piston allows units to be mounted at any angle without use of springs. Excellent for automatic parts track vibration, packaging/filling machine, and small bin and hopper applications. Include mounting fasteners and push-fit hose connections for quick setup.

All models have a 304 stainless steel housing. 18K850 and 18K852 have mild steel end caps; for use in manufacturing and packaging industries. 18K851 has 304 stainless steel end caps; well-suited for chemical and pharmaceutical industries.

Force Rating @ 80 psi	CFM @ 80 psi	Speed @ 80 psi	dB @ 80 psi	Overall Dim.			Bin Wt. Cap.	Inlet Port	Outlet Port	Muffler	Mfr. Model	Item No.
				L	W	H						
Dayton												
19.3 lb	2.8	2,340 vpm	87	2 in	2 in	4 1/2 in	193 lb	1/8 in NPT	1/8 in BSPP	1A325	23Y178	23Y178
33.9 lb	3.7	2,220 vpm	90	2 3/8 in	2 3/8 in	4 1/2 in	339 lb	1/4 in NPT	1/4 in BSPP	1A326	23Y179	23Y179
397 lb	7.1	3,500 vpm	91	5 3/4 in	3 3/8 in	3 3/8 in	3,970 lb	1/4 in NPT	1/4 in BSPP	Included	1DYR1	1DYR1
1323 lb	10.6	3,000 vpm	96	5 3/4 in	3 3/8 in	4 3/4 in	13,230 lb	3/8 in NPT	3/8 in BSPP	Included	1DYR2	1DYR2
VIBCO												
10 Series												
148 lb	4.5	14,500 vpm	90	5 1/2 in	1 1/8 in	1 7/8 in	100 lb	1/8 in NPT	1/8 in NPT	1A325	10% 4HT28	4HT27
182 lb	5	13,000 vpm	91	5 1/2 in	1 1/4 in	1 13/16 in	200 lb	1/8 in NPT	1/8 in NPT	1A325	10% 4HT28	4HT27
242 lb	5	11,000 vpm	93	5 9/16 in	1 1/8 in	1 13/16 in	400 lb	1/8 in NPT	1/8 in NPT	1A325	10-1	4HT24
325 lb	9	7,000 vpm	95	9 1/4 in	2 1/4 in	2 13/16 in	1,000 lb	1/4 in NPT	1/4 in NPT	1A326	10-1-1/4	4HT26
50 Series												
242 lb	5	11,000 vpm	90	4 1/2 in	2 in	4 9/16 in	400 lb	1/8 in NPT	1/8 in NPT	1A325	50-1	4HT46
325 lb	9	7,000 vpm	92	6 in	2 1/2 in	6 1/2 in	1,000 lb	1/4 in NPT	1/4 in NPT	1A326	50-1-1/4	4HT51
585 lb	11	5,200 vpm	95	7 1/2 in	3 in	7 13/16 in	4,000 lb	1/4 in NPT	1/4 in NPT	1A326	50-1-1/2	4HT47
610 lb	15	5,000 vpm	99	9 in	3 1/2 in	7 13/16 in	10,000 lb	1/4 in NPT	1/4 in NPT	1A326	50-2	4HT58
770 lb	31	2,400 vpm	99	9 in	3 1/2 in	9 1/8 in	20,000 lb	1/4 in NPT	1/4 in NPT	1A326	50-2L	4HT60
55 Series												
242 lb	5	11,000 vpm	91	4 1/2 in	2 in	3 3/8 in	400 lb	1/4 in NPT	3/8 in NPT	1A326	55-1	4HT74
325 lb	9	7,000 vpm	94	6 in	2 1/2 in	5 9/16 in	1,000 lb	1/4 in NPT	1/4 in NPT	1A326	55-1-1/4	4HT77
585 lb	11	5,200 vpm	96	9 in	3 1/2 in	7 1/4 in	4,000 lb	1/4 in NPT	1/4 in NPT	1A326	55-1-1/2	4HT75
610 lb	15	5,000 vpm	99	9 in	3 1/2 in	7 1/4 in	10,000 lb	1/4 in NPT	1/4 in NPT	1A326	55-2	4HT80
1900 lb	30	3,800 vpm	99	10 1/2 in	5 in	9 1/8 in	30,000 lb	3/8 in NPT	3/8 in NPT	1A327	55-3	4HT82
Cleveland												
15 lb	2	16,000 vpm	95	2 3/8 in	3/8 in	1 1/4 in	100 lb	1/4 in OD Hose	#10-32 UNF	1EJX3	VM-25	18K850
15 lb	2	16,000 vpm	95	2 3/8 in	3/8 in	1 1/4 in	100 lb	1/4 in OD Hose	#10-32 UNF	1EJX3	VM-25 SS	18K851
21 lb	2.1	11,400 vpm	101	2 1/8 in	3/8 in	1 1/4 in	100 lb	1/4 in OD Hose	#10-32 UNF	1EJX3	VM-38	18K852