

H Series Rotary Ball Vibrators



*Rugged heavy-duty
ball vibrators
for TOUGH
environments*

H Series Pneumatic Ball Vibrators

H Series models feature rugged cast iron housings, heat treated raceways, high grade chrome steel balls, and sealed construction to ensure reliable performance and long service life, even in harsh environments.

Available in three different body styles, the H Series is an economical solution to keep stubborn materials flowing in bins, hoppers, chutes, pipes, and other areas where material tends to hang up.

Standard features & benefits

- CNC machined ductile iron castings and races
- Heavy-Duty Sealed Construction
- Centrifugal force up to 800 lbs (3558 N)
- Suitable for temperature up to 302°F (150°C)
- Force & Frequency are adjustable by varying air pressure
- Two-bolt foot mount (HU & HC) or single-bolt mount (HB)

Available Options & Accessories

- Permanent Bin/Hopper/Chute Mounting Kits
- Combination Filter-Regulator-Lubricator units to maintain clean, lubricated air supply, and to adjust force and frequency
- Air hoses, manual, and timer-activated valves

More Pneumatic Rotary Vibrator Series Available from Houston Vibrator:

GT Series Pneumatic
Turbine Vibrators

GT-SS Series Stainless
Steel Turbine Vibrators

K Series Pneumatic Ball
Vibrators

DAR Series Pneumatic
Roller Vibrators

R Series Pneumatic
Roller Vibrators

HVT Series Pneumatic
Turbine Vibrators

Contact AIRMATIC for
assistance in choosing the
right vibrators and
components for your
application.

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MODEL	Starting Pressure PSI		PERFORMANCE DATA											
			@ 20 PSI			@ 40 PSI			@ 60 PSI			@ 80 PSI		
	HORIZ	VERT	VPM	FORCE LBS	CFM	VPM	FORCE LBS	CFM	VPM	FORCE LBS	CFM	VPM	FORCE LBS	CFM
HB-10	2	5	16500	25	2	21000	38	4	25000	55	5	26000	60	8
HB-19	12	22	11000	120	3	13000	195	7	16000	270	11	18000	340	15
HC-19	11	22	11000	120	3	13000	195	7	16000	270	11	18000	340	15
HC-25	16	32	7000	180	6	10000	285	9	11500	380	13	13000	420	16
HC-35	23	46	7000	320	6	9000	520	12	10000	685	17	11000	800	24
HC-41	25	55	3200	240	13	4000	370	21	4400	450	27	4700	514	33
HC-51	30	60	3100	350	13	4000	580	20	4300	680	27	4400	715	33
H U-13	3	6	12500	35	3	15500	55	5	19500	95	7	21000	110	8
H U-19	10	20	11000	110	4	13000	175	7	16000	260	10	17000	300	12
H U-25	25	30	7500	175	6	9500	290	10	11000	380	13	12500	410	15

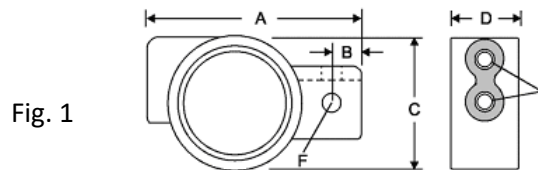


Fig. 1

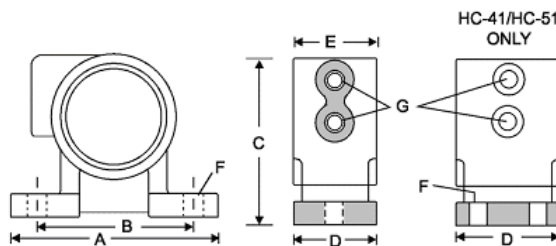


Fig. 2

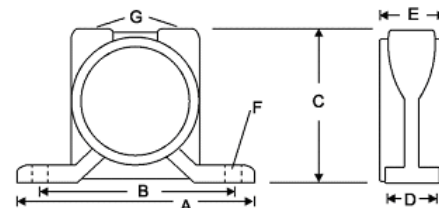


Fig. 3

MODEL	FIG.	A	B	C	D	E	F	G (NPT)	WT (LBS)
HB-10	1	2.187	0.5	2.00	1.25	---	0.312	1/8	1.0
HB-19	1	4.437	0.5	2.937	1.687	---	0.437	1/4	2.5
HC-19	2	5.312	4.00	3.437	1.25	1.50	0.437	1/4	2.5
HC-25	2	5.50	4.00	4.250	2.125	2.125	0.500	1/4	4.5
HC-35	2	5.50	4.00	4.250	2.125	2.125	0.500	1/4	4.5
HC-41	2	6.62	5.5	6.0	2.9375	3.125	4.375	3/8	15
HC-51	2	6.62	5.5	6.0	2.9375	3.125	4.375	3/8	15
H U-13	3	5.25	4.00	2.625	1.00	1.188	0.437	1/8	1.5
H U-19	3	5.00	4.00	3.437	1.312	1.50	0.437	1/4	2.5
H U-25	3	6.62	5.00	4.00	1.50	1.75	0.50	1/4	4.0