

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 the Houston Vibrator sales team for assistance in choosing the right vibrators and components for your application.

Houston Vibrator, Ltd.
PO Box 801882
Houston, TX 77280
U.S.A.

phone: 713-939-0404 | 800-320-4044
fax: 713-939-7213 | 866-630-0404
e-mail: sales@houstonvibrator.com
web: www.HoustonVibrator.com



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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 |

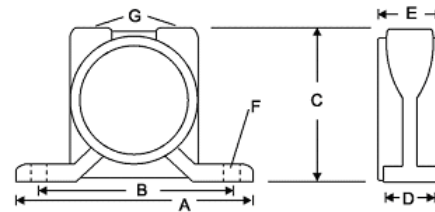
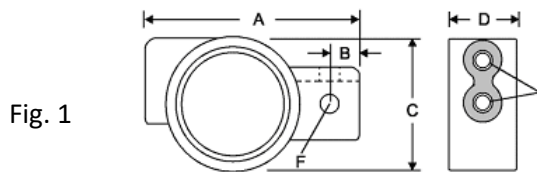
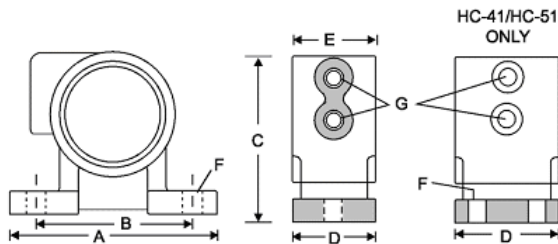


Fig. 3

Fig. 2



| 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 |

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