



VIBROMATIC

COMPANY, Inc.

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Vibromatic hoppers are used when more parts are required than can be stored in the primary feeder. They come in a variety of sizes, and utilize a special tray design that allows for feeding larger parts in greater quantities.

All Vibromatic Hoppers are totally automated through the use of a level control, which Vibromatic supplies as a standard feature. This allows the vibratory bowl to have a constantly metered supply of parts without the costly attention of plant personnel.

TUNING

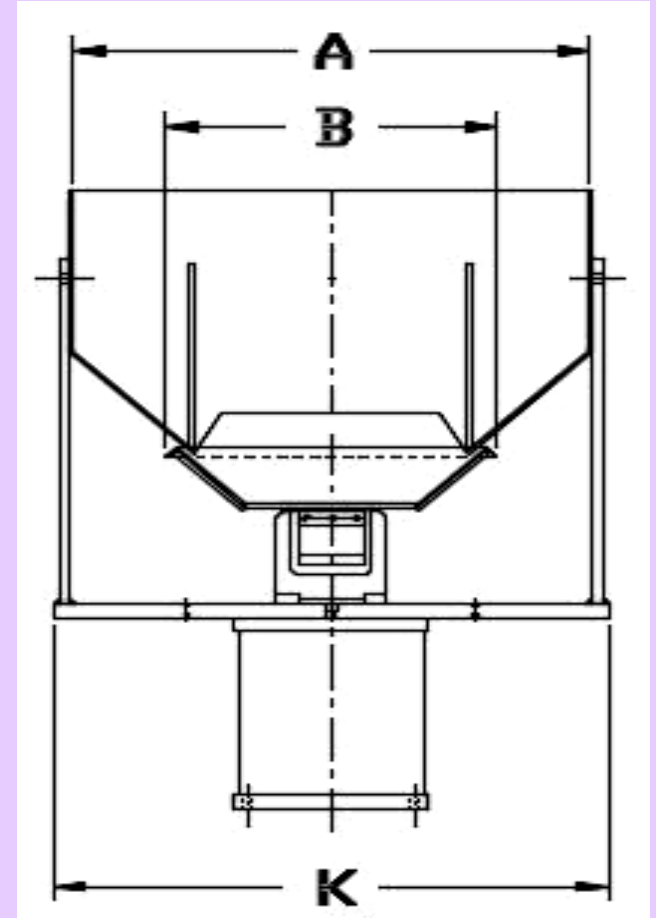
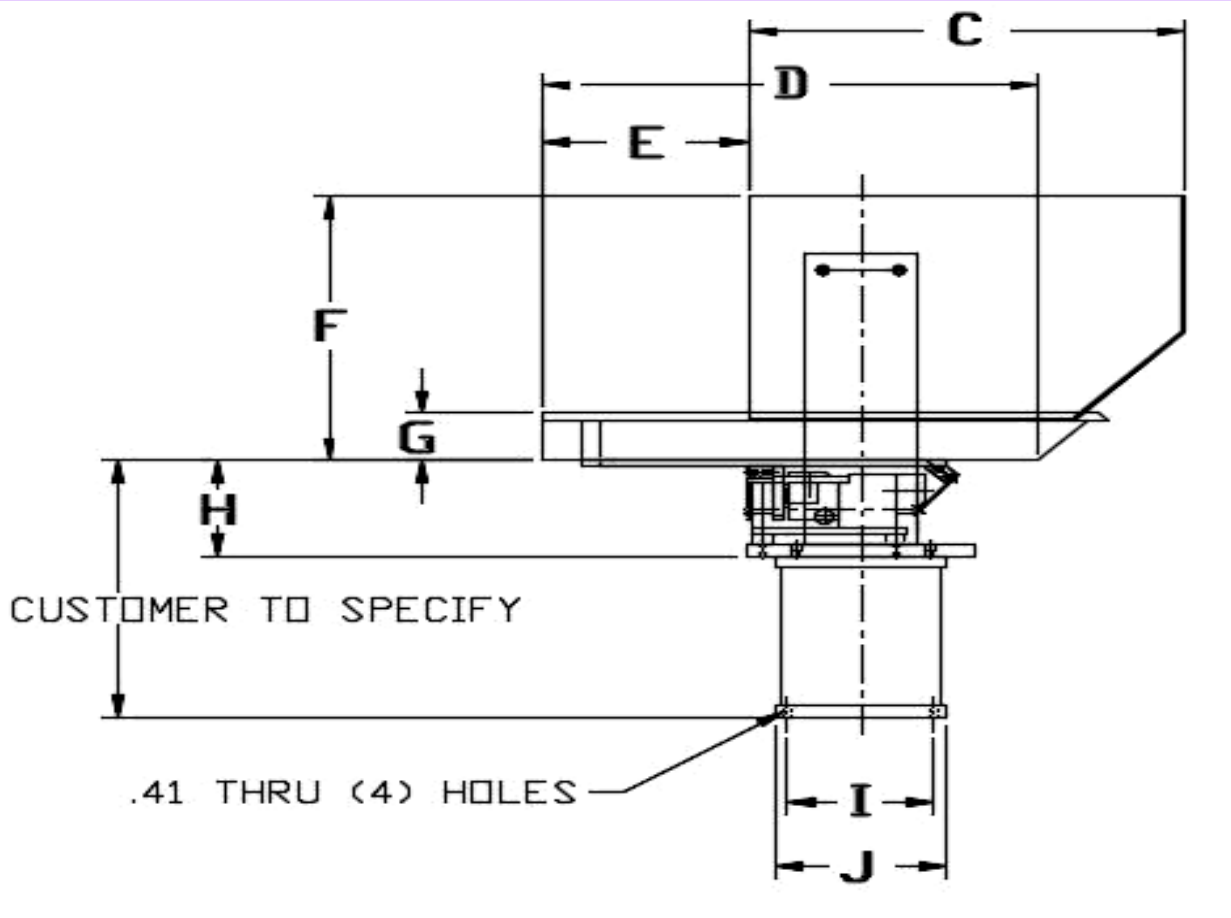
Proper tuning is an important factor in achieving maximum spring energy level. When a drive is improperly tuned (over or under-sprung) the spring tension does not correspond with the natural frequency of the feeder mass. Either condition prevents the mass from returning to its neutral position before the next magnetic pulse takes over thus restricting the full motion each 1/120 second. Normal 60HZ current produces 120 magnetic cycles per second, and transmits 120 mechanical cycles per second to the drive. Tuning the unit to a natural frequency of either 60HZ or 120HZ for proper balance between coil assembly, energy development, and spring tension is of utmost importance to a smooth and efficient feed system.

MOUNTING

The vibratory drive unit should be installed on a table with a heavy top and legs to prevent the mounting surface from absorbing the vibration. We normally use a minimum of 1" thick steel plate with legs of 3" square tubing. All table legs must be leveled and positioned on a solid floor. The vibratory feeder cannot strike anything or have its vibration restricted in any manner.

Hopper

Drive Units



Spare Parts	
Part Number	Description
G-120V	Vibratory Coil (120 Volt)
G-240V	Vibratory Coil (240 Volt)
TF-9907	.07" Hopper Spring
TF-9909	.09" Hopper Spring
TF-9913	.13" Hopper Spring

Dimensions											
Model	A	B	C	D	E	F	G	H	I	J	K
AH-2010	18.0"	10.26"	23.0"	13.84"	10.3"	14.0"	2.94"	6.31"	7.5"	9.0"	19.5"
AH-3010	18.0"	10.26"	23"	13.84"	10.3"	18.25"	2.94"	6.31"	7.5"	9.0"	19.5"
AH-4010	24.0"	15.23"	22.88"	15.15"	10.85"	17.57"	3.19"	6.31"	7.5"	9.0"	25.5"
AH-5010	24.0"	15.23"	22.88"	15.15"	10.85"	20.57"	3.19"	6.31"	7.5"	9.0"	25.5"