

## Material Handling Solutions

### Syntron® Electromagnetic Vibrating Tables Settle and compact bulk materials in containers

Syntron® Vibrating Tables are designed to settle and compact dry bulk materials in various types of containers. Their application provides either a sizable increase in the net weight of the container or a reduction in the container size with subsequent savings in shipping and storage space.

Syntron Vibrating Tables are available in three types: electromagnetic, electromechanical and pneumatic. The choice of the proper type and model depends upon the characteristics of the materials or objects being handled and its reaction to vibration, the maximum weight to be handled and the type of container.

Syntron Electromagnetic Vibrating Tables are the most versatile and widely used Vibrating Tables in our line. The high-speed (3600 vpm) of these tables, coupled with a controlled low-amplitude that does not exceed 1/16-inch linear vibration, produces a gentle settling action. Through that action the coefficient of friction of the material is reduced. As the particles settle, the entrapped air is more readily removed.

The amplitude of the vibration can be regulated to suit the characteristics of the material being handled. The rheostat to control this is built into Models J-1 and J-50. These units are used primarily for laboratory and light duty packing applications. On the Models VP-51 through VP-500, the rheostat is part of a separate control box. This allows remote control, when desirable. Models VP-51 through VP-500 are heavy-duty industrial units, designed with sturdy steel framework and decks.



Model VP-51



Model J-1



Model J-50

# Syntron® Electromagnetic Vibrating Tables

## Specifications

Model	Deck size (inches)	Capacity	Watts	Amps 115/60	Shipping weight
J-1	7 x 10	10 lbs	50	1.0	23 lbs
J-50	14 x 20	50 lbs	40	4.0	100 lbs
J-50	17 x 20	50 lbs	40	4.0	100 lbs
VP-51	20 x 30	300 lbs	100	4.5	190 lbs
VP-86	30 x 30	500 lbs	180	7.0	445 lbs
VP-181	30 x 30	750 lbs	800	12.0*	605 lbs
VP-500	32 x 40	1000 lbs	2000	35.0*	2200 lbs

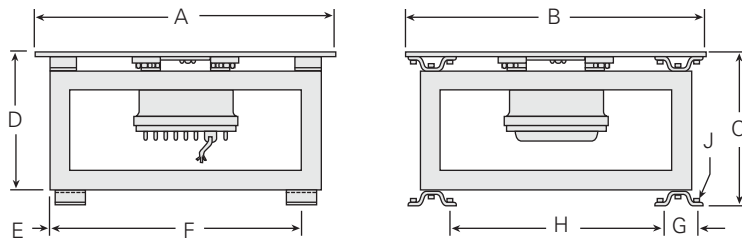
\* Amps at 230 volt, 60 cycle

## Dimensions (inches)

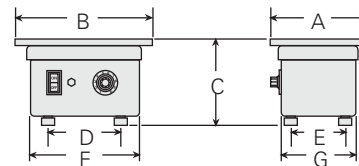
Model	A	B	C	D	E	F	G	H	J
J-1	7	10	6 1/8	6 3/4	3 1/2	8	5 1/2	--	--
J-50 (14 X 20)	14	20	7 1/2	9 5/8	11 5/8	13 5/8	15 5/8	--	--
J-50 (17 X 22)	17	22	7 5/8	9 5/8	11 5/8	13 5/8	15 5/8	--	--
VP-51	20	20	10	8 5/8	1	17	3 9/16	11 1/16	13/32
VP-86	30	30	15 1/8	13 3/4	2	23	3 9/16	21 7/16	13/32
VP-181	30	30	21	19 5/8	2	23	3 9/16	21 1/2	3/8
VP-500	40	32	27 3/4	--	--	32	--	24 1/2	7/8

Have dimensions certified for installation purposes

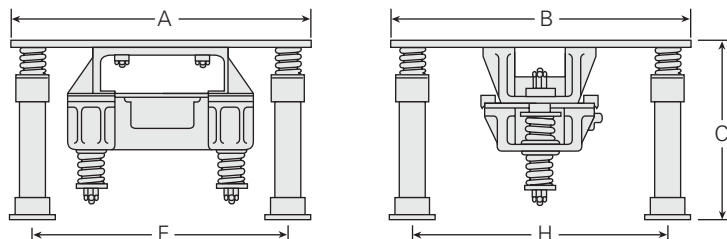
Models VP-51, VP-86, VP-181



Model J-1

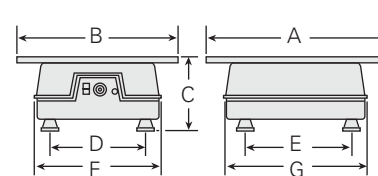


Model VP-500



\* Five of 7/8-inch dia. holes, equally spaced on a 6 1/4-inch bolt circle.

Model J-50



**FMC Technologies**

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Caution: Syntron® Electromagnetic Vibrating Tables must be installed, operated and maintained in accordance with accompanying FMC Technologies Service Instructions. Failure to follow these instructions can result in serious personal injury, property damage or both. FMC Technologies Service Instructions accompany the shipment of equipment. If additional copies are required, they are available, free of charge from Material Handling Solutions, FMC Technologies, Inc., Homer City, PA 15748.

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