

ELECTROMAGNETIC VIBRATORS

Good Vibrations

ELECTROMAGNETIC VIBRATORS

Specially designed to be included in Food Processing Lines, and Packaging Machines:



- Vibrating channels and dosers
- Inline weighers
- Multi head weighers
- Horizontal flow wrappers
- Feeders or sieves to elevators or weighers
- Sorting machines
- Transfer machines to/from belts..

and any other industry with a need of controlled dosing for solids.



FT-0



FT-01 y FT-02



BF-01 y BF-02



BF-3



RS

Model	Power (w)	Current (amps)	Weight (Kg)	Capacity (t/h)	Amplitude (mm.)
RS		0,75	10,5		2,3
FT-0	15	0,18	4,3	0,6	1,6
FT-01	20	0,4	9,5	2	1,6
FT-02	35	0,75	15	8	2,3
BF-01	50	1,2	14	5	1,6
BF-2	80	2	30	9	1,6
BF-3	150	4	60	20	2,3

Capacity based on dry sand, density 1.6 t/h

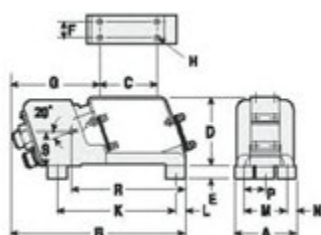
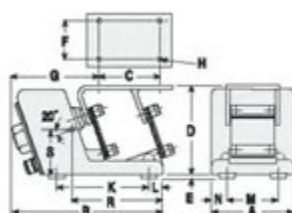
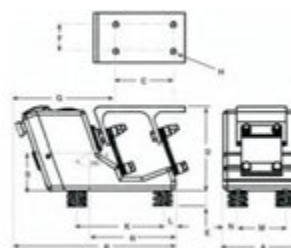
Models RS, multi head weigher, FT-02 and BF-3, have a higher amplitude than conventional electromagnetic vibrators, for what they can reach higher speeds and capacities, and also handle product more difficult to move forward.



Syntron Material Handling

ELECTROMAGNETIC VIBRATORS

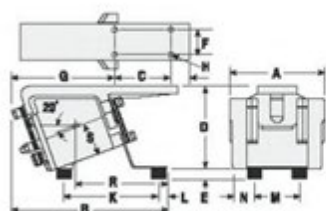
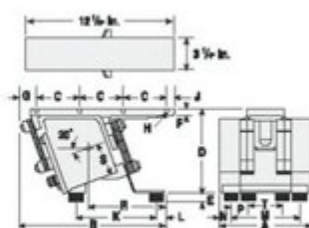
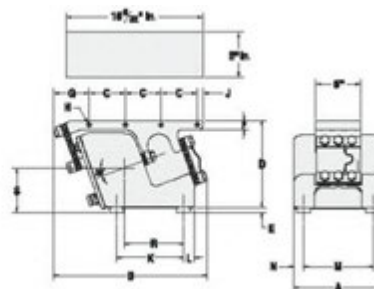
SPECIFICATIONS AND DIMENSIONS (m.m.)

FT-0

FT-01

FT-02


Modelo	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T
FT-0	83	222	76	90	—	25	108	6		159	13	57	13	29	140	37	
FT-01	127	232	95	137	—	44	133	9		143	21	79	24		140	64	
FT-02	127	276	95	128	—	44	169	9		144	20	79	24		144	64	

Centre of mass - this point should coincide with the centre of trough mass at a 20° working angle

Dimensions E might vary depending on the feet mounted in the vibrator

BF-01

BF-2

BF-3


Modelo	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T
BF-01	167	273	95	144	—	44	184	9	13	167	14	79	44		171	57	
BF-2	203	321	102	178	—	8	32		8	178	19	152	25	38	184	70	76
BF-3	254	435	102	245	—	25	102		17	191	30	197	29		167	125	

Centre of mass - this point should coincide with the centre of trough mass at a 20° working angle

Dimensions E might vary depending on the feet mounted in the vibrator

ELECTROMAGNETIC VIBRATORS

CHARACTERISTICS AND ADVANTAGES:

- * Instant regulation and start stop
- * Liability and durability
- * Large range of models
- * Stable and silent running
- * Smooth running not to break the product
- * Sealed against water
- * ATEX execution if specified
- * High amplitude models
- * Possibility of regulating from PLC



BF feeder with
corrugated channel

MULTIPLE TYPES OF TROUGHS FOR DIFFERENT APPLICATIONS:

Depending on the application needs, the troughs will be made with different materials and according to different shapes and designs.



Dual vibrators feeder



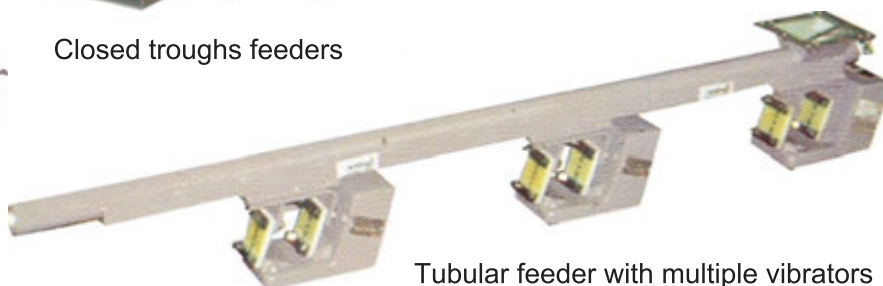
Electromagnetic feeder with sieve



Closed troughs feeders



Open standard trough



Tubular feeder with multiple vibrators

ELECTROMAGNETIC VIBRATORS

ELECTROMAGNETIC VIBRATORS FOR SPECIAL APPLICATIONS

Also TARNOS manufactures electromagnetic vibrators for hoppers, or other type of containers and conductors, that can be included in very particular applications and machines, due to its smooth controlled vibration, easy installation, and compact dimensions.



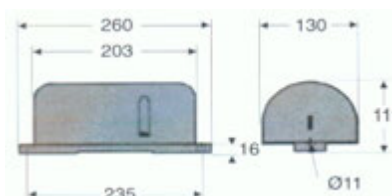
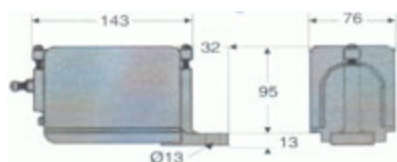
Vibrator V-2



Vibrator V-4



Vibrator V-20



MODEL	Pul. per min.	Power (w)	Con (A)	Regulator	Weight (kg)
V-2 •	3.000	15	0,3	-	1,1
V-4 •	6.000	30	0,5	-	2
	3.000	30	0,9	ER-03/06	2
V-20 •	3.000	40	2	ER-03/06	6,5

REGULATION FOR ELECTROMANGETIC AND LINEAR VIBRATORS

TARNOS supplies instant regulation circuits and controllers for its electromagnetic vibrators.

Regulation might be done through the manual potentiometer or automatically.

Also these controllers can include double speed, amplitude accelerometer, display...



TARNOS

C/ Sierra de Gata, 23
28830 San Fernando de Henares (Madrid)
Tel.: (+34) 91 656 41 12 • Fax: (+34) 91 676 52 85
tarnos@tarnos.com • www.tarnos.com