ELECTROMAGNETIC VIBRATORS

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

- 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Power (w)</th>
<th>Current (amps)</th>
<th>Weight (Kg)</th>
<th>Capacity (t/h)</th>
<th>Amplitude (mm.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS</td>
<td>0.75</td>
<td>10.5</td>
<td></td>
<td></td>
<td>2.3</td>
</tr>
<tr>
<td>FT-0</td>
<td>15</td>
<td>0.18</td>
<td>4.3</td>
<td>0.6</td>
<td>1.6</td>
</tr>
<tr>
<td>FT-01</td>
<td>20</td>
<td>0.4</td>
<td>9.5</td>
<td>2</td>
<td>1.6</td>
</tr>
<tr>
<td>FT-02</td>
<td>35</td>
<td>0.75</td>
<td>15</td>
<td>8</td>
<td>2.3</td>
</tr>
<tr>
<td>BF-01</td>
<td>50</td>
<td>1.2</td>
<td>14</td>
<td>5</td>
<td>1.6</td>
</tr>
<tr>
<td>BF-2</td>
<td>80</td>
<td>2</td>
<td>30</td>
<td>9</td>
<td>1.6</td>
</tr>
<tr>
<td>BF-3</td>
<td>150</td>
<td>4</td>
<td>60</td>
<td>20</td>
<td>2.3</td>
</tr>
</tbody>
</table>

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.
ELECTROMAGNETIC VIBRATORS

SPECIFICATIONS AND DIMENSIONS (m.m.)

| 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

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

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www.tarnos.com
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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

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
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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.

V-4 model for food Industry  electromagnetic vibrators for hoppers  compact V-2 vibrator

ELECTROMAGNETIC VIBRATING REGULATION

All electromagnetic vibrators TARNOS have an instant current regulation by a controller that incorporates a potentiometer.

This regulator can be supplied without enclosure if it is to be integrated into a general control cabinet for the installation.

Controller can be provided with one or two speeds. Also 4-20 MA signal so that it can be regulated though a PLC.

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