JELENKO VACUUM MIXER

Operating Instructions
Warning Symbols

Caution Symbol

The Mixer should not be used to mix solvents. Solvents or hazardous materials should not be stored, used in, on or in close proximity to the Mixer. Should any hazardous materials be spilled on or in the Mixer, it is the operator's responsibility to clean and/or decontaminate the Mixer.

The Mixer contains moving parts which may present a pinch hazard. Caution should be exercised by the operator to avoid placing materials, hands or fingers near the path of the Mixing Bowl Spindle area.

When lifting the assembled Mixer remember to firmly grasp the unit by the vertical portion of the chassis, where it is joined to the Table Stand. Remember to bend your legs when lifting heavy objects, such as the Mixer.

Electrical Shock Hazard Symbol

The Mixer Chassis should not be opened unless the electrical supply cord has been removed from both the AC electrical receptacle and the power block connector on the side of the Mixer Chassis. Failure to observe these measures can result in injury or death due to electrical shock.

JELENKO WARRANTY STATEMENT

The J. F. Jelenko & Co. ("Jelenko") Warranty Plan covers the electronic components of the covered Jelenko Vacuum Mixer for a period of two years. All mechanical and non-electronic components are excluded from this warranty and limited to one year under the normal equipment warranty. This warranty applies to the original purchase only. This warranty shall not apply to any Article which (1) has been altered outside Jelenko's factory in any way so as, in Jelenko's judgment, to affect such Article's reliability; (2) has been subject to misuse, negligence or accident; (3) has been used other than in accordance with any printed instructions prepared by Jelenko and provided by Jelenko with the Article; or (4) has been repaired in an unauthorized manner. THE WARRANTY DESCRIBED IN THIS PARAGRAPH, IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND MAY NOT BE MODIFIED OR EXTENDED BY ANY AGENT, REPRESENTATIVE OR DISTRIBUTOR OF THE JELENKO COMPANY. In no event shall Jelenko be liable (a) for direct damages in excess of the original purchase price of the goods claimed to be defective, or (b) for any special, consequential, incidental or indirect damages with respect to this contract or anything done in connection herewith, whether based upon contract, tort (including negligence), or otherwise.

JELENKO

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# Jelenko Vacuum Mixer Specifications

## Electrical
- 115 VAC 50/60 Hz: 1.7 Amps, 350 Watts, PN 300250
- 230 VAC 50/60 Hz: 0.9 Amps, 350 Watts, PN 300255

## Dimensions
- **Width**: 10 15/64 inches (26.0 cm)
- **Depth**: 9 1/16 inches (23.0 cm)
- **Height**: 12 13/64 inches (31.0 cm)
- **Installed on Table Stand**: 21 21/32 inches (55.0 cm)

## Mechanical
- **Mixing bowl rotational speed**: 350/420 RPM @ 50/60 Hz
- **Mixing bowl capacities**:
  - Large Mixing Bowl: 1000 mL
  - Medium Mixing Bowl: 500 mL
  - Small Mixing Bowl: 250 mL
- **Mixing time**: 1 second to 99 minutes 0 seconds

## Net Weight
- **Mixer weight**: 30.8 lbs. (13.9 Kg)
- **Table Stand weight**: 27.1 lbs. (12.3 Kg)

## Finish
- Enamel on steel

## Supplied Accessories
- **1 Mixing Bowl**: Medium Bowl - 500 mL, P/N 300257
- **1 Electrical Supply Line Cord**:
  - 115 Volt Line Cord, P/N 300271
  - 230 Volt Line Cord, P/N 300272
- **1 Set of Hardware for Wall Mounting**, P/N 300286
- **1 Table Stand**, P/N 300287
- **1 Magnetic Protective Sheet**, P/N 300287
INSTALLATION

1) Remove all packaging material from around the unit. Carefully go through the packaging material to insure that none of the supplied accessories (as listed in the section “Specifications” on page 3 of this manual) are accidentally discarded.

2) Your Mixer unit may be mounted to either a wall or on the Table Stand.

   If mounting to a wall, choose a wall of sturdy construction. Due to the weight of the Mixer it is recommended that the unit only be mounted to a masonry wall or be anchored directly to the support studs behind a gypsum board wall. Utilize the supplied paper template for placement of the supplied mounting hardware. The mounting screws should protrude approximately 3/16 of an inch (0.5 cm) from the wall. The Mixer unit would then be placed onto the mounting screws and pulled slightly downward to secure it on the screws.

   If using the Table Stand, there must be a minimum of 21-3/4 inches (56.0 cm) of vertical clearance on the benchtop surface to accommodate the Mixer unit as installed on the Stand. For installation of the Mixer unit to the Stand, see the Instructions included with Table Stand.

4) Plug the electrical supply Line Cord into the Power Receptacle located on the right side of the unit.

5) Plug opposite end of the electrical supply Line Cord into an appropriately rated wall receptacle.

6) Turn the POWER SWITCH to the ON position. The internal vacuum pump will begin to run indicating that your Jelenko Vacuum Mixer is now ready for operation.
Front Panel

1. POWER SWITCH
2. VACUUM GAUGE
3. TIME OF DAY KEY
4. TIME ADJUSTMENT KNOB
5. START-STOP KEY
6. DIGITAL DISPLAY

Side Panel

7. POWER CONNECTOR BLOCK
8. FUSEHOLDER
POWER SWITCH (1):

This switch turns the electrical power to the machine on or off. An internal indicator lamp will illuminate when this switch is activated and the internal vacuum pump will operate when the unit is “on”.

VACUUM GAUGE (2):

This gauge allows the operator to see the level of vacuum which is being developed within the mixing bowl.

The Red colored portion of the gauge indicates an insufficient vacuum level, the Yellow colored portion of the gauge indicates a questionable vacuum level and the Green colored portion of the gauge indicates an acceptable vacuum level has been developed.

TIME OF DAY KEY (3):

This key is used to set the Time of Day as the Timer can also be used as a clock.

To set the Time of Day, this key must be depressed and held, while simultaneously turning the Time Adjustment Knob. Once the correct Time appears, the key may then be released.

Note: The Time of Day will appear in Military time or 24 Hour format.

If the Time of Day has already been set into memory, depressing this key will then bring up the actual Time of Day on the DIGITAL DISPLAY. If the Time of Day has not yet been set into memory, depressing this key will only momentarily bring 0:00 on the DIGITAL DISPLAY.

TIME ADJUSTMENT KNOB (4):

A rotary knob which allows the user to either increase or decrease the amount of time on the DIGITAL DISPLAY.

This knob may be used in conjunction with the TIME OF DAY KEY to set the actual Time of day (in military time format) into the Timer module.

START-STOP KEY (5):

This key has multiple functions, as follows:
A) Activate the Timer and Mixing Motor function.

When the POWER SWITCH is ON and the START-STOP key is depressed, the pre-programmed Mixing Time set in memory will appear on the DIGITAL DISPLAY. A second push of the START-STOP key will activate the timer and operate the Mixing Motor until the Mixing Time elapses. After the Time elapses a series of six sets of beeps will be heard.

Once the desired amount of time, in minutes and seconds, that the Mixing Motor will remain in operation has been dialed in by using the TIMER ADJUSTMENT KNOB, the Mixing Time value will automatically be set into memory by depressing the START-STOP key.

Each future push of the START-STOP key will automatically recall the last Mixing Time value from memory.

B) Activate the Timer function only.

When the POWER SWITCH is OFF and the START-STOP key is depressed, the pre-programmed Mixing Time set in memory will appear on the DIGITAL DISPLAY. A second push of the START-STOP key will activate the timer with no Mixing Motor Operation. After the Time elapses a series of six sets of beeps will be heard.

DIGITAL DISPLAY (6):

A multiple function display which indicates the actual Time of Day (in Military time or 24 Hour format) or the amount of pre-programmed Mixing Time set in the memory of the Timer Module.

POWER CONNECTOR BLOCK (7):

The receptacle of this Power Connector Block should be connected to the corresponding end of the electrical supply Line Cord (included as an accessory).

FUSEHOLDER (8):

A safety device designed to protect the machine and electronics in the event of an electrical short circuit or overload.
Note: The fuse must be replaced with one of the same exact type and rating (see page 10 of this manual).

MIXING BOWL CAPACITY

The Jelenko Vacuum Mixer may be used with any of the 3 available mixing bowls. The capacity of the bowls are as follows:

<table>
<thead>
<tr>
<th>Mixing Bowl Size</th>
<th>Capacity</th>
<th>Amount of Investment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Mixing Bowl</td>
<td>250 ccm</td>
<td>up to 150 gms</td>
</tr>
<tr>
<td>Medium Mixing Bowl (supplied)</td>
<td>500 ccm</td>
<td>up to 300 gms</td>
</tr>
<tr>
<td>Large Mixing Bowl</td>
<td>1000 ccm</td>
<td>up to 600 gms</td>
</tr>
</tbody>
</table>

Note: Never overfill a Mixing Bowl or investment may be pulled into the machine, resulting in damage.

The Mixing Bowls and Lids should be thoroughly cleaned with water immediately after each use.

Never use solvents to clean the Mixing Bowl or Lids.

Failure to clean the Bowls or Lids may result in investment contamination or poor sealing characteristics which can cause poor vacuum performance.

OPERATION

1) Turn the POWER SWITCH to the ON position so that the indicator lamp within the switch illuminates, and the internal Vacuum Pump will begin to operate.

Note: It is normal for the internal Vacuum Pump to operate constantly whenever the POWER SWITCH is in the ON position.

2) Select the desired Mixing Time (in minutes and seconds) by rotating the TIME ADJUSTMENT KNOB until the desired Mixing Time appears on the DIGITAL DISPLAY.

3) Place the desired amount of powder material and liquid into an appropriately sized mixing bowl and pre-mix the material by hand.

Note: To insure a good seal with the Lid of the Bowl, be sure to wipe off the rim of the Mixing Bowl and the Bowl Lid so it is free of powder material.
4) Place the mixing bowl with the Lid under the center of the silver colored cylinder. Push it upward and hold the Bowl to the cylinder until a vacuum seal is established. Once the vacuum seal has been established, you may release the Bowl.

5) When the VACUUM GAUGE reaches the Green colored zone, depress the START-STOP Key to activate the Mixing Motor and Timer.

6) Once the Mixing Time has expired a series of six sets of beeps will be heard to signal the operator that the Mixing Motor has automatically stopped. The operator must then turn the POWER SWITCH OFF to release the vacuum within the unit and remove the Bowl.

Note: You must support the Mixing Bowl with your hand when turning the POWER SWITCH OFF, as the vacuum will be vented and will no longer hold the Mixing Bowl in place.

7) After the Mixing Time has expired, the DIGITAL DISPLAY of Timer Module will blank out.

The operator may repeat the entire Mixing process again using the same Mixing Time value by depressing the START-STOP Key and repeating the above steps 3 through 6.

The operator may also change the Mixing Time value to perform a different Mixing process by using the TIME ADJUSTMENT KNOB and following the above steps 2 through 6.

Note: Operation of the Mixing Motor may be stopped at any time after the countdown has begun by depressing the START-STOP Key a third time. When stopped the Timer countdown will also stop, showing the amount of Time remaining in the countdown on the DIGITAL DISPLAY.

When finished using the machine, the POWER SWITCH should then be turned to the OFF position.
<table>
<thead>
<tr>
<th>PRODUCT NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>300256</td>
<td>Small Mixing Bowl with Lid - 250 mL</td>
</tr>
<tr>
<td>300257</td>
<td>Medium Mixing Bowl with Lid - 500 mL</td>
</tr>
<tr>
<td>300258</td>
<td>Large Mixing Bowl with Lid - 1000 mL</td>
</tr>
<tr>
<td>300259</td>
<td>Small Mixing Bowl Lid O-Ring</td>
</tr>
<tr>
<td>300260</td>
<td>Medium Mixing Bowl Lid O-Ring</td>
</tr>
<tr>
<td>300261</td>
<td>Large Mixing Bowl Lid O-Ring</td>
</tr>
<tr>
<td>300262</td>
<td>Mixing Bowl Drive Spindle Assembly</td>
</tr>
<tr>
<td>300263</td>
<td>Mixing Bowl Drive Spindle O-Ring</td>
</tr>
<tr>
<td>300264</td>
<td>Power Switch - 115 Volt Model</td>
</tr>
<tr>
<td>300265</td>
<td>Power Switch - 230 Volt Model</td>
</tr>
<tr>
<td>300266</td>
<td>Power Switch Dust Boot</td>
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<tr>
<td>300267</td>
<td>Vacuum Gauge</td>
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<tr>
<td>300268</td>
<td>Internal Vacuum Filter</td>
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<tr>
<td>300269</td>
<td>Timer Module - 115 Volt Model</td>
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<tr>
<td>300270</td>
<td>Timer Module - 230 Volt Model</td>
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<tr>
<td>311711</td>
<td>Line Cord - 115 Volt Model</td>
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<tr>
<td>311712</td>
<td>Line Cord - 230 Volt Model</td>
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<tr>
<td>300273</td>
<td>Mixer Motor - 115 Volt Model</td>
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<tr>
<td>300274</td>
<td>Mixer Motor - 230 Volt Model</td>
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<tr>
<td>300275</td>
<td>Mixer Motor Capacitor</td>
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<td>300276</td>
<td>Mixer Motor Drive Belt</td>
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<td>300277</td>
<td>Motor Tension Spring</td>
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<td>300278</td>
<td>Vacuum Motor - 115 Volt Model</td>
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<tr>
<td>300279</td>
<td>Vacuum Motor - 230 Volt Model</td>
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<tr>
<td>300280</td>
<td>Solenoid Valve - 115 Volt Model</td>
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<tr>
<td>300281</td>
<td>Solenoid Valve - 230 Volt Model</td>
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<tr>
<td>300282</td>
<td>Power Block Connector</td>
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<tr>
<td>300283</td>
<td>Fuseholder Clip</td>
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<tr>
<td>300284</td>
<td>Fuse, 250 Volt, 4 Amp, Time Lag - 115 Volt Model</td>
</tr>
<tr>
<td>300285</td>
<td>Fuse, 250 Volt, 2 Amp, Time Lag - 230 Volt Model</td>
</tr>
<tr>
<td>300286</td>
<td>Table Stand</td>
</tr>
<tr>
<td>300287</td>
<td>Magnetic Protective Sheet</td>
</tr>
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</table>