

Professional Soap Mixer

Instruction Manual



Model:

Important Safeguards

To reduce the risk of personal injury or property damage, when using electrical appliances basic safety precautions should always be followed, including the following:

- Read all instructions.
- Make sure nothing everything is turned off before plugging into the wall outlet
- Use caution and keep children and pets away.
- Unplug from outlet when not in use and before cleaning. Allow cooling before putting on or taking off parts, and before cleaning.
- **SAVE THESE INSTRUCTIONS**

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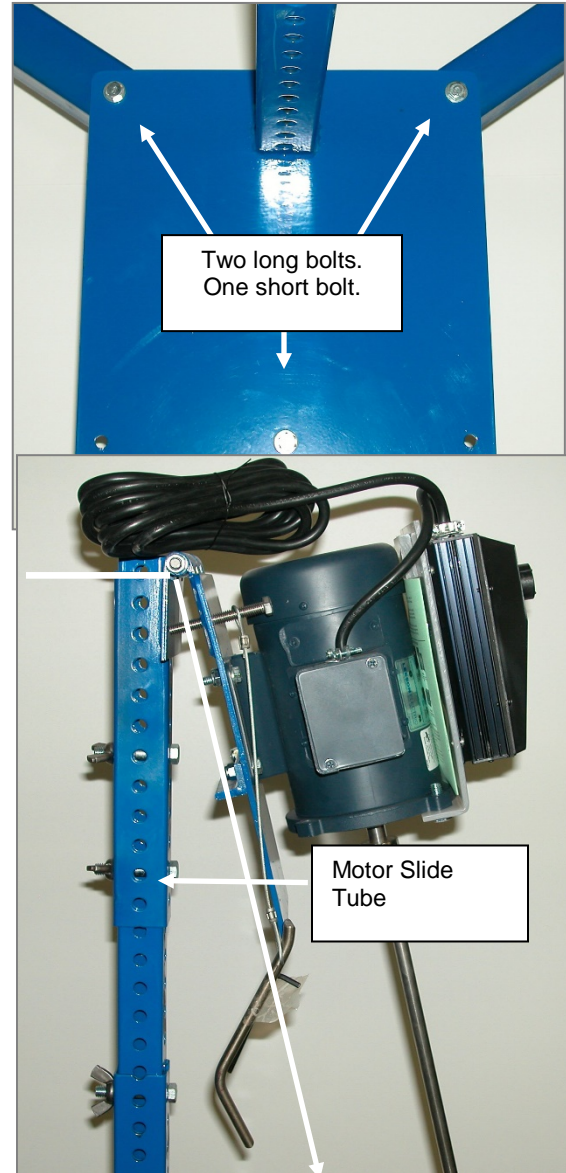
ASSEMBLING YOUR PRO Soap MIXER:

Rolling Tripod Base for your Pro Soap Mixer. You, will need a couple ½" (13mm) wrenches, crescent wrench, pliers, etc. to apply the three bolts (This might already be installed).

1. The first step is to anchor your Base Plate to either the floor or to the Tripod Base. Your Base Plate is 1' x 1' (30.5cm x 30.5 cm)
 - a. If you have a Tripod Base, then you will have three bolts in your package. One bolt is shorter than the other two; the short bolt goes in the front & center of your Base Plate.
 - b. You will need to pull off the plastic cap on the front tube to fasten the bolt.
 - c. The other two longer bolts go in back, at the corners of the Base Plate.
2. If you are anchoring your Pro Soap Mixer to the floor for a permanent mount, then you will need some concrete anchors or lag bolts for a wood floor. These anchors should be a minimum of, 3/8" x 2" (9mm x 50mm).
3. Now you can pre-set the height of your Inner Extension Tube.

This is the longest tube.

- a. Measure from the top of the Motor Slide Tube to the end of the Mixing Wand.
 - b. Measure the distance from the bottom of your tank or pot to the Floor.
 - c. Now add the first two measurements together and then add 4" (10cm).
 - d. Measuring from the floor up, set the top of your Inner Extension Tube to this height.
 - e. Remove the two Tube Bolts that anchor the Inner Extension Tube and slide the Inner Extension Tube to the desired height.
 - f. Place the Tube Bolts, two to three holes apart.
 - g. The wingnuts only have to be finger tight.
 - h. CAUTION: Leave at least 7" of the Inner Extension Tube inside the Bottom Tube**
4. You can now set in place your Motor Assembly.
 - a. Have a Tube Bolt ready to slip into a mounting hole.
 - b. Slide the Motor Slide Tube onto the Inner Extension Tube and make your final height adjustment.
 - c. Place two Tube Bolts, two to three holes apart. Screw on your wingnuts.
 - d. CAUTION: Leave at least 5" (13cm) of the Inner Extension Tube inside the Motor Slide Tube.**



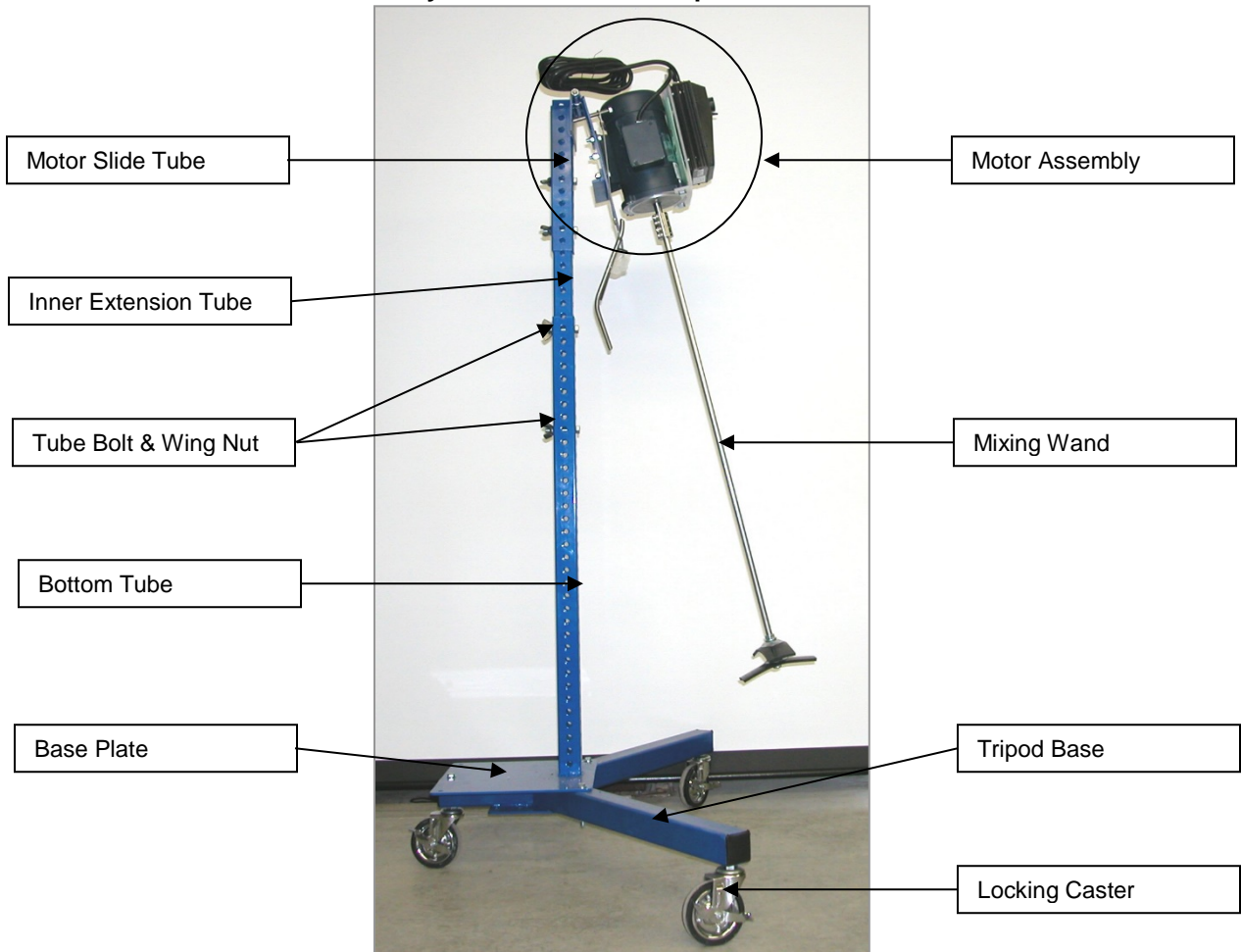
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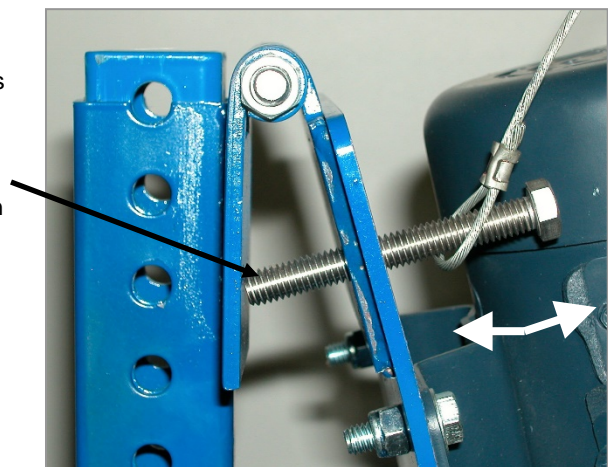
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Fully Assembled Pro Soap Mixer



ADJUSTING FOR THE OPTIMUM MIXING ANGLE OF YOUR PRO MIXER:

1. The Optimum Angle for your Pro Soap Mixer is between 10 and 15 degrees.
2. This will give you a good swirling action that pulls the contents down and around at the same time.
3. To adjust simply run the 3/8" Angle Adjust Bolt in or out.
4. Note: if you would like more or less tension when raising the Motor Assembly up or down, you can loosen or tighten the Hinge Pin Bolt.



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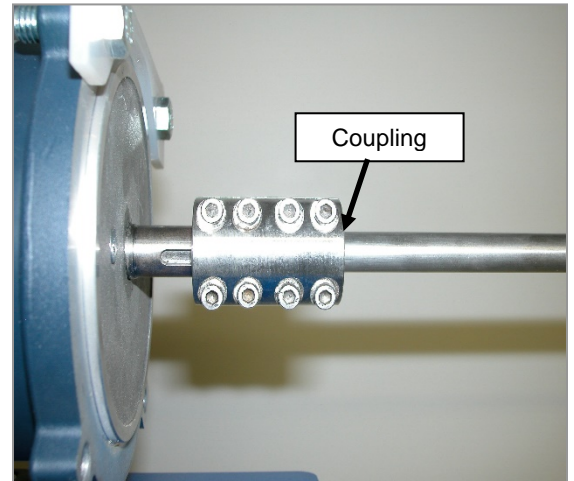
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ATTACHING YOUR MIXING WAND:

A (5/32", 4mm) Allen wrench is included with your Pro Soap Mixer.

1. Loosen the two sets of screws on the shaft end of the Coupling about three full turns.
2. Loosen the two sets of screws on the motor end of the Coupling about 1 ½ turns.
3. Slide in the Mixing Wand Shaft, till it hits the Motor Shaft. Make sure the Coupling is centered on the Mixing Wand Shaft and the Motor Shaft.
4. Tighten the screws equally so the pressure on the two shafts is even.



ELECTRICAL REQUIREMENTS:

1. If your Pro Soap Mixer has a 120 volt, three-prong plug, then it is to be used strictly for, 110v - 120v power.
2. If your Pro Soap Mixer does not have a plug, then it is to be used for 220-volt power and a plug will need to be supplied.
3. International customers will need to apply the proper plug to the cord. You may also wire the Pro Soap Mixer direct. There are far too many plug types in the world to carry them all.
4. If you are not familiar with electrical wiring, we suggest hiring a professional.



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USING YOUR PRO SOAP MIXER CONTROLS:

There are detailed instructions included with your Pro Soap Mixer in using the motor controls. There are available special control settings for speeding up or slowing down, torque control, etc.

1. For most applications, you simply, flip the switch to on and then turn the Speed Dial to your desired setting.

CAUTIONS IN USING YOUR PRO SOAP MIXER:

- ALWAYS HAVE THE SPEED DIAL ON, ZERO (0) BEFORE TURNING ON YOUR MIXER!
- NEVER PUT YOUR HAND OR ANY OTHER OBJECT INTO THE VESSEL WHILE THE WAND IS IN THE VESSEL.
- FOR CLEANING, MAINTENANCE, HEIGHT ADJUSTMENT OR MOVING THE MIXER, ALWAYS UNPLUG THE POWER CORD.
- WHEN USING THE MIXING WAND, NEVER TURN ON THE POWER WITH THE WAND OUT OF THE MIX OR LIQUID. THIS CAN DAMAGE YOUR MOTOR BEARINGS, SHAFT COUPLING OR POSSIBLY BEND THE SHAFT.
- ALWAYS HAVE THE MIXING WAND IN THE LIQUID BEFORE TURNING UP THE SPEED.
- TURN THE SPEED UP SLOWLY.
- USING ANOTHER MIXING ATTACHMENT OTHER THAN ONE MADE FOR THE PRO SOAP MIXER VOIDS THE WARRANTY.



TIPS AND GENERAL RULES CONCERNING VARIOUS MATERIALS:

- If you have not mixed a particular liquid before with the Pro Soap Mixer, take it slow. Get a feel for how fast you can go and how much action you want with the Wand.
- **General rules concerning various materials:**
 - Cold Processed Soap, Using the Whipper Mixing Wand.
 - You want about a, 10 to 15-degree angle on the Motor Mount.
 - Maximum mixing speed would be between half to three-quarters of full speed.
 - If you experience splashing, back off the speed.
 - If you experience wobbling in the shaft, back off the speed.
 - The larger the batch the faster you can go.
 - If using the Whipper Mixing Wand, put it almost right on the bottom of your Pot.
 - Turn the speed up slowly.
 - Liquid Soap
 - You can use either type of Mixing Wand for this type of blending; High Shear or Whipper.
 - Careful of that thick paste stage and stressing your motor. Stay close so you can shut it down when it starts to thicken or it can stop the motor and cause permanent damage.
 - Bulk Lotions and Creams (the lotion is made and you are just adding scents, etc), Massage Oils, butters, liquid soap (blending scent), general mixing.
 - You can use either type of Mixing Wand for this type of blending; High Shear or Whipper.

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- Making Creams and Lotions from scratch, emulsifying and blending Alcohol/Water formulas.
 - This will require the High Shear Mixing Wand.
 - You will probably be running mostly at full speed (2500).
 - Watch getting the Wand too close to the bottom or side of the Pot.
 - Careful to ramp the speed up slowly until you are familiar with the process.
- **Taking Care Not to Stress Your Motor:**
 - It is possible to stress a motor using resistance or electronic speed control. Running at a very slow speed is no problem with fans or applications which are not under any load. Moving air does not require much torque (power).
 - The purpose of our speed control is to allow you to vary the speed and to allow time to ramp up the speed in a safe manner to avoid splashing at startup, also to allow adjustment of the wand or mixer position, then ramp up again. However, it is not to mix at such a low speed as to tax the motor with increasing force placed on it by thick or thickening material such as by trace. The motor must be allowed to maintain its ability to push on thru.
 - This is not to say you cannot mix at a lower rpm (speed) it just means... you have to listen and watch what you are doing.
 - Now there are solutions to this. One is a smaller blade. We have had customers who reduced their blade width by simply shortening the blades. This allows higher speed with less action. The use of a smaller blade also reduces motor stress when the liquid is thick or thickens.
- **Taking Care of Your Motor Bearings:**
 - With any mixer of this type, having an unsupported shaft with a blade, propeller, etc., the blade must be fully immersed in a liquid to maintain stability. The liquid actually acts as a second bearing at the end of the shaft. It stabilizes the entire shaft and prevents it from wobble.
 - If there is not enough liquid and the spinning pushes too much liquid away so there is not enough pressure surrounding the blade, the shaft will begin to move and flex. This, in turn, will put undue pressure on the bearing, which is the only thing stabilizing the wand.
- **Cleaning your Wands.**
 - You can wipe them off.
 - If you are going from one soap batch to another or blending a lotion scent and going on to another lotion blend; there is little need to do more than wipe off the majority with a cloth or paper towel.
 - You can also hold a bucket under the Mixing Wand with water, alcohol, soapy water, etc. in it and spin it.
 - You will just have to try different methods, finding the easiest and right one for you. Each type of material will have its own peculiarities.

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