



SPIN CYCLE GRAND

Aero Dynamic Vacuum Mixer

Instruction

Manual

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INTRODUCTION

Trident Sales Associates thank you and congratulate you for choosing the Spin Cycle Grand vacuum mixer. The Spin Cycle is manufactured to the exacting professional standards of quality that have always distinguished our products from our competitors.

Special “unique features of the Spin Cycle Grand include:

- Produces ultra-smooth mixing for all investments and gypsums – Three dimensional mixing, all done simultaneously; Horizontal, Vertical & Diagonal
- Heavy duty mixing bowls with maximum fill line and Inox stainless steel spatulas
- Hands-Free operation – Unique Venturi uses vacuum to hold bowls; Increases productivity and saves time
- Includes built-in automatic programmable digital timer with “Auto-Stop”. Program the amount of mixing time, stops automatically
- No oil or vacuum pump to maintain, fewer moving parts – Uses unique built-in air pressure “Venturi” system to create full vacuum
- Built-in air pressure regulator controls optimum level for vacuum
- Built-in investment and moisture protection filtering systems

This instruction manual will help familiarize you with the Spin Cycle Grand. Keep the manual in a safe place so that it can be consulted whenever necessary. Should you have any questions please contact:

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UPON RECEIVING YOUR SPIN CYCLE GRAND

Carefully inspect the unit to insure that it has not been damaged in shipping. In the event of any damage, immediately contact the shipping company to report it.

The Spin Cycle Grand comes with the following:

500 ml. Bowl & Spatula (p/n 8500)

900 ml. Bowl & Spatula (p/n 8900)

Moisture/Air Filter (p/n 804FILT)

Air Line Hose

Warranty Card

Instruction Manual

INSTALLATION

Remove all items from the shipping box.

Place the Spin Cycle Grand on the bench in the area where it will be used.

Screw on the enclosed moisture/air filter to the right hand side fitting of the Spin Cycle.

Fasten the air line hose to the barbed fitting of the moisture/air filter.

Connect the other end of the air line hose to your compressor.

Adjust the pressure regulator,(located underneath the right rear chassis of the unit near the mixing manifold) to 55 psi. Check the pressure gauge, located on the upper right hand side of the mixer to verify that you are at 55 psi.. This will allow the built-in aerodynamic venturi system to create full vacuum.

Connect the power cord into a properly grounded 115 Volt electrical outlet.

Press the Power Switch located at the lower right hand side of the unit ON.

The Spin Cycle Grand is ready for operation.

USING YOUR SPIN CYCLE GRAND

SETTING AUTOMATIC MIXING TIME

On the front panel, dial in the amount of mixing time you require (arrow up will increase the time and arrow down will decrease it)

MIXING BOWL & SPATULA

Select the proper bowl and spatula (note the maximum fill mark on the bowl)

Large Bowl 50 – 350 gm

Extra Large Bowl 200 – 800 gm

Add the liquid followed by the powder according to the instructions outlined in the manufacturer's directions. Hand spatulate to help incorporate the liquid into the powder. Close the bowl using the spatula and cover.

OBTAINING FULL VACUUM

Press the Vacuum Button on the front panel. You should now hear air flowing. If not, check your compressor and then the pressure regulator on the underneath right hand side of the unit.

Holding the mixing bowl and spatula together, insert the "hexagonal" nut (located on the top of the spatula lid) up and into the mixing manifold. The mixing manifold also has a "hexagonal" female configuration which allows the two to match up as a pair. Apply slight upward pressure with a little bit of a twist when inserting the bowl and spatula into the mixing manifold.

The vacuum gauge on the front panel should now start to rise (counter clockwise) to full vacuum. Please note that the vacuum level should be maintained at the middle of the blue stripe on the vacuum gauge. Adjustments can be made by either lowering or raising pressure with the pressure regulator. Do not set the vacuum to the + (plus) side of the gauge as too much vacuum can result in out gassing of the material being mixed.

MIXING

Press the Mix Button. You should now see the the spatulation / mixing begin. The automatic digital timer will begin to count down and mixing will stop automatically at the end of the selected mixing time. There will be an audio tone, “beep – beep” when the cycle ends.

MIXING BOWL & VACUUM RELEASE

While holding the mixing bowl, press the Vacuum Button. Vacuum will automatically begin to decrease and the mixing bowl and spatula can be removed from the mixer manifold.

USING THE VIBRATOR

Press the Vibrator Button and dial in the desired amount of vibration you want. Press the same Vibrator Button to shut off the vibrator when you are finished.

Press the Power Switch, located on the lower right side of the unit OFF.

FINAL STEPS

After every use, it is important to thoroughly rinse the mixing bowl and spatula with water using a soft brush. Thoroughly dry for future use.

MAINTENANCE

1. Do Not overfill mixing bowls. Doing so will result in clogging the air line hoses.
2. Thoroughly clean the mixing bowl & spatula after every use. Dry thoroughly.

WARRANTY

The Spin Cycle Grand is warranted to be free of defects in material and workmanship for a period of 12 months from the date of sale.

Refer to your warranty / registration card for full details.

TECHNICAL INFORMATION

Voltage	115V	220V (available upon request)
Frequency	60 hertz	50/60 hertz
Dimensions	20"x10"x10"	20"x10"x10"
Weight	40 lbs.	40 lbs.

TROUBLESHOOTING GUIDE

SYMPTOM

Unit does not obtain vacuum

SOLUTION

1. Make certain that the bowl and spatula are being properly inserted into the mixing manifold.

2. Check the pressure gauge on the upper right hand side of the unit to make certain that the air pressure is set and maintained at 55 psi.
3. Check the in-line filter to make sure that it is clear of any obstructions. Replace in-line filter (p/n 805FILT – Filter Kit).
4. Check the bowl O Ring to make sure it is in good working order and properly seated.
5. Check the mixing manifold and both manifold gaskets to make sure they are clean.(SCORMM- Manifold Gasket Kit)
6. Remove the filter hose from the “quick-connect” fitting on the left hand side of the mixing manifold. If there is any material or debris obstructing the “quick-connect” or vacuum channel, thoroughly clean the “quick-connect” as well as the vacuum channel in the mixer manifold.
7. Remove the cover of the mixer. Visually inspect all air and vacuum hoses inside the unit to make sure there are no obstructions.
8. Replace the venturi assembly (p/n 804VENT – venturi assembly)

SYMPTOM

Motor runs, but the spatula does not move

SOLUTION

Replace the belt. (804CINGHIA)

SYMPTOM

The Mixer is on, but the motor does not run.

SOLUTION

Replace the Motor Assembly (804MOTORECON)

SCHEMATIC



