

TPC

PC 2530



Installation, Operation & User Manual

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Warranty Statement

All of our products sold are guaranteed to be free from defects in workmanship and materials for one year from the date of purchase, unless otherwise stated. TPC will repair or replace any defective part at no charge. TPC will not be responsible for labor charges or shipping charges to/from the TPC facility. This guarantee does not cover normal wear or surface finish stains. The guarantee does not cover damage resulting from improper installation, misuse, or accidents incurred in shipping and handling. All claims against the freight carrier must be initiated at the time the damaged items are received. The claim is the responsibility of the customer. We are improving our products on a continuous basis. We reserve the right to make modifications without the need for prior notification and are not obliged to modify previously manufactured items.

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Markings

Symbols

- **Notice:** Risk of losing accessories and documents
 - **Caution:** Risk of injury or malfunction
 - Read the manual carefully
 - Ground Protective
 - Electronic waste disposal
 - Manufacturing date
 - **I** - On
 - **O** - Off
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Installation

Power Connection

Connect the power cable to the power inlet port located on the side panel of the unit.



Power Switch Operation

Turn the power switch to the "on" position, and the unit's cooling fan will cycle on.

Turn the power switch to the "off" position to discontinue use.



Positioning the Unit

Place the unit in the desired location for use. Lock the wheels in place once in the operating position. Unlock the wheel lock to move the unit.



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Install Waste Container Bracket

Install the waste container bracket onto the back of the PC 2530.



Install Drain Line

Install the drain line extension. Don't push the extension in all the way.



Waste Container

Guide the drain extension tube through the access hole on the lid. Hang the container on the ledge of the bracket. Then push the extension tube in completely to seat it.



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General Use Instructions

Operating the Suction Valve

1. **To Start Suction:**

- Lift the desired suction valve to be used
- Once the suction valve is removed from the hanger, the motor will automatically turn "ON". Only open one valve lever at a time.
- Make sure the remaining suction valve spool levers are in the closed position

2. **To Stop Suction:**

- Place the suction valve back into the hanger, and the motor will automatically turn "OFF"

Lift From Holder



Closed



Open



Automatic Waste Management

During use, if the internal waste container becomes full, the motor will automatically turn off. Once this occurs, the unit will begin to automatically drain the internal waste tank into the waste container on the back of the machine. Once draining is complete, the motor will automatically turn "ON" again. Empty the waste container after three complete internal tank drain cycles.



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Care and Maintenance

Clean Solids Collector Trap

Frequency: Replace as needed

Procedure:

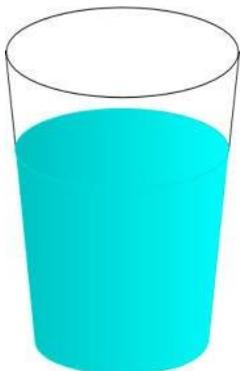
1. Turn the unit off
2. Turn the lid of the solids canister counterclockwise and remove the lid
3. Remove the trap and replace it as needed
4. **Trap size:** 2-1/8"
5. **Item Code:** 53016-L



Daily Maintenance

Once usage is complete, it's recommended that clean water be purged through the machine:

1. Vacuum approximately two cups of water through the suction lines
2. Allow the waste container to drain
3. This will remove any leftover waste in the lines



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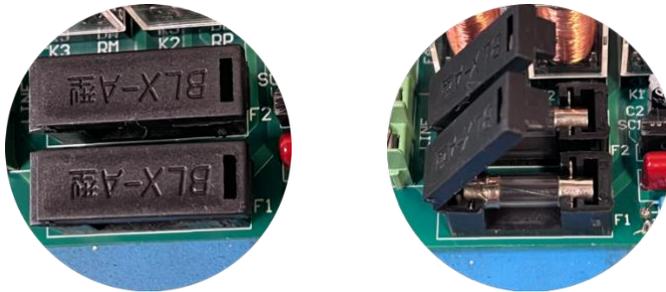
Rear Power Receptacle Fuse

PC2530 units are equipped with a 15-amp fuse located inside the power inlet port. The required fuse type is a 5 × 20 mm, 15-amp fuse. Gently pry on the fuse housing tab to remove the holder. Replace the fuse if necessary.

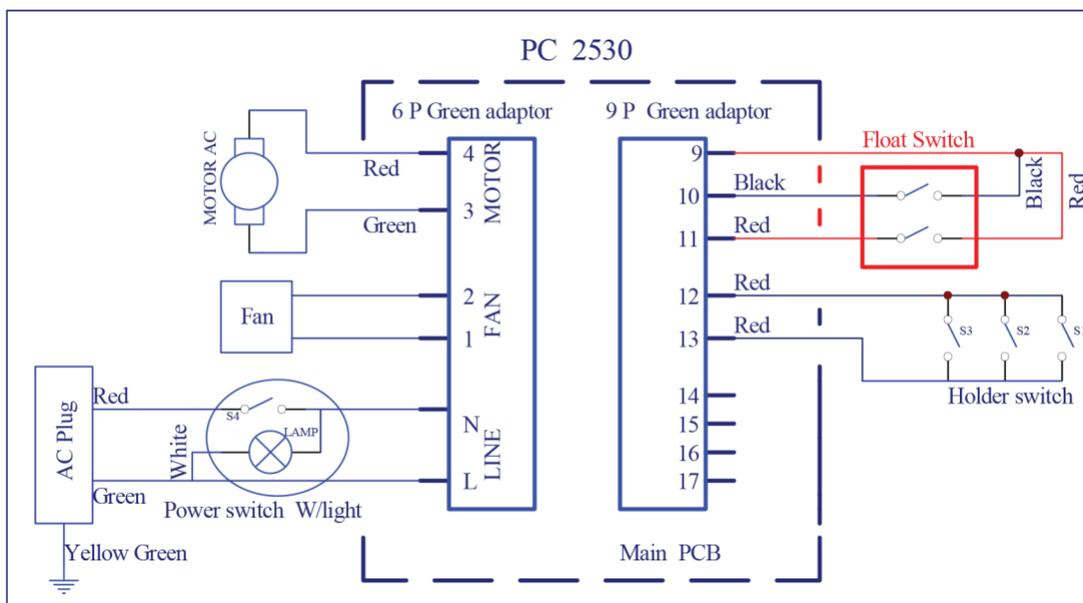


Main PCB Board Fuses

PC2530 Main PCB boards have two on-board fuses. Gently lift the fuse holder cover to obtain access to the fuses. F1. 0.2-amps 250V. F2. 1-amp 250V



Main PCB Schematic





Troubleshooting

Unit Will Not Power On

Possible Causes & Solutions:

- Check the power cord
 - Check the power switch
 - Check fuse: Fuse is 250V, 15 Amp, 5x20mm
 - If no green light is illuminated, then there is no power to the main switch. Check the fuse. Check the outlet.
 - Check internal PCB fuses on the main PCB
-

Suction is Low

Possible Causes & Solutions:

- Check suction valve spools and verify only one is in the open position
 - Check the solid waste container. Clean or replace if needed.
 - Check for internal leaks inside the machine
-

The unit is Very Loud When the Motor is running

Possible Causes & Solutions:

The motor should ramp up in RPMs once in the on position. Check for any suction clogs if the motor appears to be strained. If the motor makes loud screeching sounds, discontinue use and contact TPC support.

Unit Powers On, But the Motor Will Not Turn on When the Suction Valve is Removed

Possible Causes & Solutions:

- Check the internal waste container and verify it's empty
 - Check the level probes inside the tank and verify they are clean
 - If the probes become corroded, you may need to clean them with an abrasive cloth or pad
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Fuse Continues to Blow

Possible Causes & Solutions:

Short or fault in the electrical circuit. Call TPC tech support for further assistance.

Waste Continues to Drain Out of the Back of the Machine When in Use

Possible Causes & Solutions:

Check the internal waste container check valve. Clean and reseal if necessary.

Replacement Parts

Solids Collector Trap

- **Size:** 2-1/8"
- **Item Code:** 53016-L

Power Cord

- **Part Number:** PC2530N-PC

Fuses

- **Type:** 15 Amp, 250V, 5x20mm
- **Locations:** Internal power inlet and main PCB

Safety Precautions

⚠ Important Safety Information:

- Always turn the unit off before performing maintenance
- Ensure the power cord is properly grounded
- Do not operate the unit with a damaged power cord
- Keep liquids away from electrical components
- Dispose of waste according to local regulations
- Only use genuine TPC replacement parts
- Contact TPC support for any electrical issues



Technical Specifications

Specification	Value
Power Requirements	Check unit label
Fuse Rating	15 Amp, 250V, 5x20mm
Trap Size	2-1/8"
Automatic Features	Auto on/off, auto drain

Contact Information

TPC Dental

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Technical Support Hours:

Monday through Friday
8:00 AM to 5:00 PM PST

Important Notes

- Keep this manual for future reference
 - Register your product online at www.tpcdental.com
 - Contact TPC for replacement parts or service questions
 - Only authorized service technicians should attempt repairs
 - Regular maintenance ensures optimal performance
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End of Manual