



STEMSHINE – THE GLASS POLISHER

Model GP8

OPERATING INSTRUCTIONS

IMPORTANT

**FILL OUT and RETURN
ENCLOSED PRODUCT REGISTRATION
WARRANTY CARD**

Sales & Service

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ORIGINAL EQUIPMENT LIMITED WARRANTY

Campus Products, Inc. ("CPI") warrants to the original purchaser that any original part that is found to be defective in material or workmanship will, at our option, subject to provisions hereinafter stated, be replaced with a new or rebuilt part.

The labor warranty remains in effect one (1) year from installation or fifteen (15) months from the shipping date, whichever occurs first. CPI will bear normal labor charges performed during standard business hours not subject to overtime, holiday rates or any additional fees.

Failure to replace the manufacturer approved drying/polishing granulate on a timely and regular basis (every 4 months) will lead to the automatic forfeiture of warranty rights and the Manufacturer will not be obliged to perform any repairs and/or replacements.

The parts warranty remains in effect one (1) year from installation or (15) months from the shipping date, whichever occurs first.

This warranty **does not apply** to:

1. Replacement of brushes, brush stems or brush ends due to damage or wear of any kind.
2. Replacement of granulate necessitated by day to day use.
3. Replacement of heating elements necessitated by day to day use.
4. Equipment damage caused by accident, shipping, improper installation or alteration or by expired granulate.
5. Original or ongoing calibration.
6. Equipment used under conditions of abuse, misuse, carelessness or abnormal condition including equipment subjected to harsh or inappropriate chemicals, poor water quality or equipment with missing or altered serial numbers.
7. Equipment modified in any manner from original model, substitution of parts other than factory authorized parts, removal or any parts including legs, or addition of any parts.
8. Any losses or damage resulting from malfunction, including loss of product or consequential or incidental damages of any kind.

This warranty is exclusive and is in lieu of all other warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose. In no event shall the Company be liable for loss of use, loss of revenue, or loss of product or profit, or for indirect or consequential damages. This warranty is in lieu of all other warranties expressed or implied and CPI neither assumes or authorizes any persons to assume for it any other obligation or liability in connection with CPI equipment.



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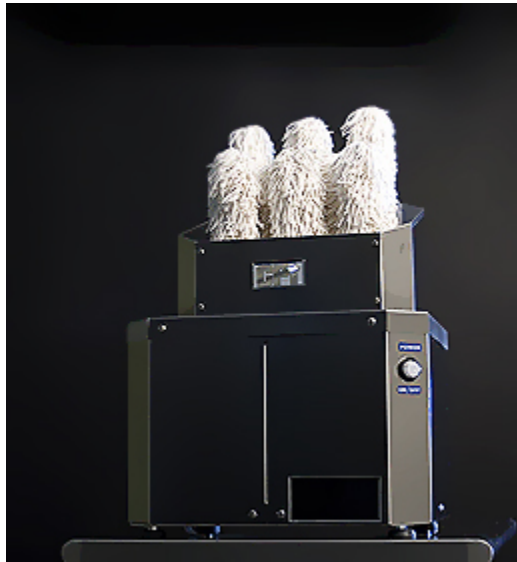
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OPERATING INSTRUCTIONS FOR STEMSHINE – THE GLASS POLISHER

WHAT THE MACHINE IS DESIGNED TO DO

Stemshine – The Glass Polisher was designed with the restaurant operator in mind. Eight high spinning soft-polishing brushes, aided by a heated fan, assists the operator in producing shiny, luminous stemware. Easily capable of drying and polishing six to eight times the human equivalent, “Stemshine” provides labour savings in addition to high quality results.



The purpose of this document is to provide you with the necessary operating instructions to get the most out of your “Stemshine” glass polisher.



HOW THE MACHINE WORKS

Stemshine is available in one model size: GP8.

The unit is comprised of a polished stainless steel, durable frame; a calrod heat element; a high speed powerful fan to aid in the drying process and synthetic, easy to clean, brushes.

With a one touch On/Off control button, this lightweight unit is simple to use with the versatility to be moved anywhere in your facility.

All that is required of the operator is to remove the glasses, clean and wet, from the glass washer. Place the glasses, one by one, on the warm, dry brushes for drying and polishing and then remove them, ready for immediate use.



TECHNICAL FEATURES

Model	GP8
Amps	13
Watts	1500
Dimensions (W X D X H)	15 X 18 X 24
Volts	110; 60hZ
Ship Wt. (lbs.)	60
Noise Level	60 dbA 68 dbC



INSTALLATION INSTRUCTIONS

UNPACKING THE MACHINE

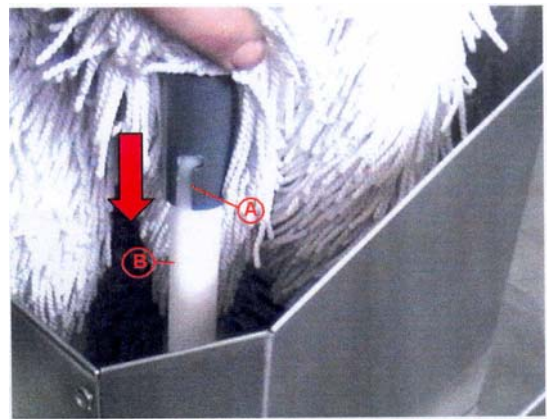
The machine is delivered packed in a cardboard box containing compressed polystyrene. Dispose of the packing material according to the requirements of the local recycling laws.

Verify the machine's integrity and in particular the electric cables. If in doubt, ask a technician to check before proceeding with installation.

POSITIONING THE GLASS POLISHER

- The machine does not require anchoring - but must be level on whatever surface it is sitting on. This may require the adjustment of the nut located at the base of each leg.
- Make sure that no objects (cloths, etc.) are placed under the glass drier so as not to obstruct air flow.
- Ensure the glass drier is not placed close to any taps and/or water connections.

ASSEMBLING THE BRUSHES



Each glass polisher is packaged with 8 brushes and these brushes are colour coded (red, yellow and green) at the bottom of the brush base. On the top of each support (B) is a coloured dot corresponding to the brush colours (red, yellow and green).

Place each brush on top of support (B) (matching the colours) and slide the brush down the support. Ensure that slot (A) is connected by slightly rotating the brush in a clockwise direction. If the brush is not properly fixed on the support, it will not rotate once the machine is switched on.



To verify correct placement of the brushes, try to rotate them clockwise and then pull lightly upwards: if the brush does not come off the support, placement is correct.

ELECTRICAL CONNECTION

First, verify that the power supplied corresponds to the machine's requirement by checking the data on the label attached on the right hand side. Check that the electric plant and the socket are suitable to supply a domestic appliance with a power of 1.8 Kw. If the socket does not correspond to the plug, ask an electrician to change it. Do not employ an adaptor as this may cause overheating and burning.

Never use an extension cord to reach the electric cable to the outlet. If the cable is not long enough, reposition the glass polisher nearer to the outlet or have an electrician change out the cable for a longer cable.

Ensure the cable does not rest on sharp edges and is not compressed or bent by other objects.

STARTING THE MACHINE FOR THE FIRST TIME

This is the same procedure that you would engage for all subsequent start ups of the machine.

- Ensure the glass drier is placed in a location where the operator will find it comfortable to operate.
- Ensure nothing is placed under the glass polisher that could obstruct air flow – i.e. cloths
- Insert the plug into the nearest socket.
- Press the “Power” button located on the front of the dryer to start up the machine.
 - a. The button will illuminate indicating there is power to the unit.
 - b. The brushes will begin to rotate
 - c. The calrod element heats up
 - d. The fan will begin to circulate increasingly warm air around the brushes.



WARNING: Ensure that no objects get caught in the rotation of the brushes.

Allow the brushes to heat up for approximately 10 – 15 minutes before using the GP8 to dry glasses.



HOW TO USE THE GLASS DRIER

The purpose of your “Stemshine” unit is to provide your clients with luminous, spot-free stemware. It accomplishes this feat through the synthetic, easy to clean heated brushes.

DAILY OPERATION:

- Ensure the glass drier is placed in a location where the operator will find it comfortable to operate.
- Insert the plug into the nearest socket.
- Press the “Power” button located on the front of the dryer to start up the machine.
 - a. The button will illuminate indicating there is power to the unit.
 - b. The brushes will begin to rotate
 - c. The calrod element heats up
 - d. The fan will begin to circulate increasingly warm air around the brushes.



Before using the glass polisher, warm the brushes for at least 10 – 15 minutes.

WARNING: Ensure that no objects get caught in the rotation of the brushes.

- Remove clean, wet glasses directly from the glass washer



Wear the specialized CPI “dimpled” polishing gloves. Lift the glass(es) and place on one of the two middle brushes. Form a circle with your thumb and fore-finger and encircle the stem of the glass – the “OK” grip. This “OK” grip should only be used to balance the glass -- the glass should rotate slightly on the brushes.



Place the glass over one of the MIDDLE brushes and gently guide the stem of the glass. Gently rock the glass back and forth, side to side, for approximately 3 to 4 seconds.



Lift the glass and place it on one of the four outside brushes. Quickly repeat the rocking action for another 3 to 4 seconds. Finally, pick up the glass using the “OK” grip and then pinch the stem of the glass, again



Place the base of the glass against the front three brushes to dry/polish the top and bottom of the base. Using the pinching grip place the glass in the proper storage vessel.

IT IS NOT NECESSARY TO APPLY PRESSURE WHEN HOLDING THE STEMWARE AGAINST THE BRUSHES

PLEASE NOTE: the glass drier does not clean stemware, or remove any stains on the glasses.

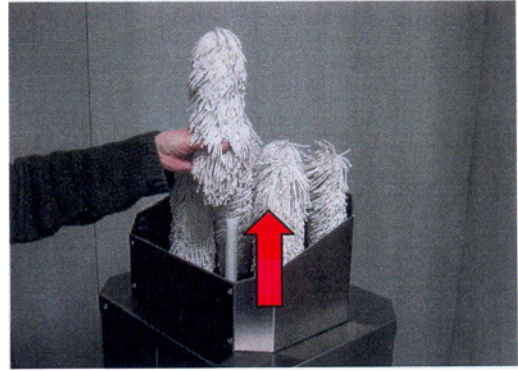
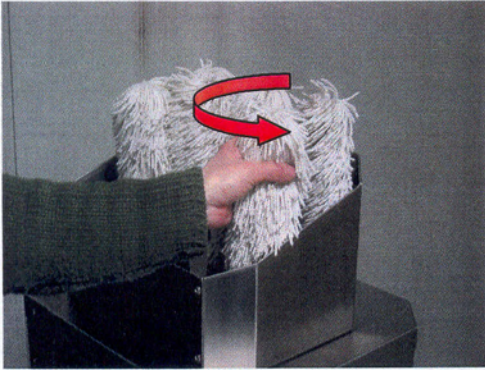
At the end of the day or once all stemware has been dried and polished, allow the brushes to dry out by running the machine for an additional 15 minutes prior to turning off the machine.



DAILY CLEANING

The glass polisher needs to be cleaned on a daily basis.

1. Turn the machine off and unplug it.
2. Remove the brushes as follows:



To remove the brush from the support, rotate the brush in a counter clockwise direction while gently pulling it upwards. Remove the brush completely by slipping it off its support.

3. Place the brushes evenly on the flat rack or dish rack of your dishwasher (either laying down or standing up). Ensure they do not overlap one another.
4. Run them through a regular wash cycle in your high temperature dishwasher - **TWICE**.
5. After the second regular wash cycle is complete, rinse the brushes with plenty of fresh water to remove soap and chemical that is applied during the wash cycle.
6. Allow the brushes to drip dry overnight on the rack.
7. In the morning, place the brushes back onto the coloured coded spindles matching the colours of the brush to the colour on the spindle. Turn the brush in a clockwise direction to lock in place. Be sure that the brushes are correctly inserted onto the spindles.
8. After all brushes are placed on the spindles / support, plug in the machine and turn the power on. Run for approx. 20-30 minutes or until dry.

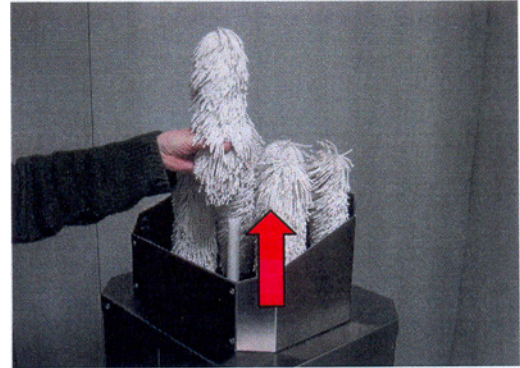
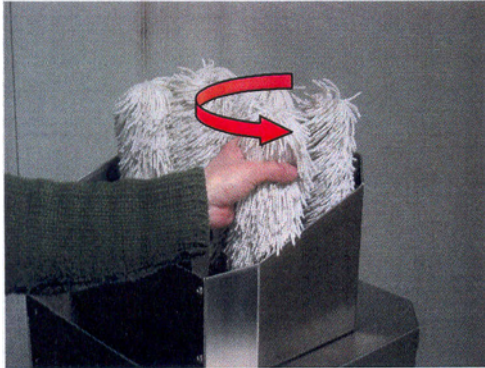
WARNING: Do not place the glass drier in a container with water because it contains electrical parts that could be damaged and cause electric shock to the operator once it is switched back on.



WEEKLY CLEANING

Turn the machine off and unplug it.

Remove the brushes as follows:



To remove the brush from the support, rotate the brush in a counter clockwise direction while gently pulling it upwards. Remove the brush completely by slipping it off its support.

To clean the glass polisher, cool down the polisher and then remove the brushes. The brushes must be hand washed. Place the brushes in a tub of warm water (max 30°C) using a non-foaming, neutral detergent. Then wipe down the exterior stainless steel casing using a damp cloth.

WARNING: do not place the glass drier in a container with water because it contains electrical parts that could be damaged and cause electric shock to the operator once it is switched back on.

Remove the brushes from the warm water and **allow them to drip dry overnight before replacing the brushes onto the glass polishing machine.** To replace the brushes, ensure the connecting slot (A) – shown on page 8, is inserted on the top of support (B) - matching the colour of the brush to the support. If the brush is not properly fixed on the support, it will not rotate once the machine is switched back on. To verify this, once the brush has been replaced try to rotate it clockwise and then pull it gently upwards: if the brush does not come off it has been placed correctly.

Then turn the machine back on and run for approx. 15 minutes to complete the drying of the brushes.



MAINTENANCE INSTRUCTIONS

INTRODUCTION

Installing and starting the glass dryer with care ensures long lasting operation with no inconvenience to the user. The guiding principle that the user should follow, and that Campus Products Inc. would like to stress, is that the machine requires frequent cleaning and routine maintenance, a list of operations are indicated below.

During maintenance, cleaning products and lubricants will be employed, therefore it is necessary to remember the following:



Lubricants, solvents and detergents are toxic substances, harmful to health.

- they can cause irritation if they come into contact with the skin,
- they can cause serious intoxication if inhaled
- or in some cases, can cause death if swallowed.
- Handle with care, wearing the appropriate protection as provided by law
- Do not dispose of these products into the environment; dispose of waste conforming to the local law requirements concerning toxic waste.

There are two stages of maintenance. ORDINARY MAINTENANCE: can be carried out by the operator and EXTRAORDINARY MAINTENANCE: must be carried out only by a qualified technician.



ORDINARY MAINTENANCE

To perform any maintenance on Stem shine – the Glass Polisher, the machine must be turned off and disconnected from the socket. The appropriate tooling must be used together with individual protection, according to the applicable laws.

Ordinary maintenance consists of cleaning the glass polisher on a regular basis with detergents; vacuuming the interior chamber of the machine to remove lint and dust; and replacing the brushes on an annual basis. **DO NOT IMMERSE THE MACHINE IN WATER.** The control panel is particularly sensitive to humidity: if it gets inside the panel, it can short circuit the electronic board.

The electric cable must be checked meticulously at least once a week, using an extra lamp, to make sure that it has no scratches (even small ones) and does not present irregularities.



If maintenance must be carried out in a poorly lit area, always employ an extra lamp to ensure that the work is executed under safe conditions according to local law requirements

MONTHLY CLEANING

On a monthly basis, the GP8 side panel should be removed and the interior of the machine should be vacuumed clean.



The above picture is an extreme example of a unit that was not maintained

1. Ensure the unit is turned off and disconnected from the power.
2. Using a slot head screw driver remove the four screws that attach the side panel to the machine.
3. Using a shop vac, vacuum the interior of the machine to remove any dust or lint from the fan and motor. Once completed, reassemble the side panel.



BRUSH CHANGEOUT PROCEDURES :

Approximately once per year, the brushes should be replaced due to normal wear and tear. This is an easy task to accomplish. Procedures follow.

The GP8 is equipped with 8 colour coded brushes – 3 red; 2 green and 3 yellow. The brushes are comprised of a very durable, absorbent polystyrene. They were designed with two parts – the base brush and then an interchangeable tip. This tip will essentially double the life of the brush.



Whether you are changing out an entire brush or replacing just a “tip” proceed as follows:

Ensure the unit has been turned off and is unplugged.

Remove the brush from the support by rotating the brush in a counter clockwise direction while gently pulling it upwards.

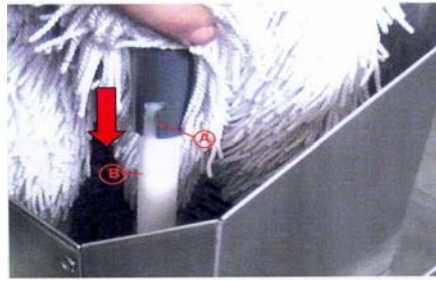


Remove the brush completely by slipping it off its support.





REPLACE A FULL SET OF BRUSHES:



Ensure you have an 8 brush set – colour coded with 3 red; 2 green and 3 yellow

Place each brush on top of support (B) (matching the colours) and slide the brush down the support. Ensure that slot (A) is connected by slightly rotating the brush in a clockwise direction. If the brush is not properly fixed on the support, it will not rotate once the machine is switched on.

REPLACE THE GREEN BRUSH TIP:



Firmly grasp both ends of the colour coded green brush



Twist until the brush separates into two parts. Discard the worn brush tip.



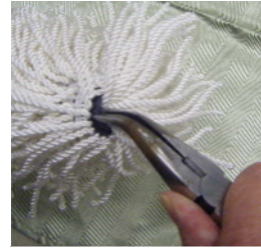
Fit the new tip into the brush and twist until **hand tight**. The brush is now ready to be put back onto its support.

REPLACE THE RED OR YELLOW BRUSH TIP:



Using 'needle-nose pliers', grasp the lip of the brush tip and turn to the left to loosen. This will require 2-3 turns using the pliers.

Continue turning the tip by hand until the brush is separated into two parts. Discard the worn brush tip.



Fit the new tip into the brush and turn until tight. **DO NOT HOLD ONTO THE FRINGE WHILE TURNING AS THIS MAY DAMAGE THE BRUSH.** Use the pliers to tighten the tip until the last thread is almost flush with the brush edge.

Replace the brushes on their color coded supports (red, green and yellow). Turn the brush in a clockwise direction to lock in place. Be sure that the brushes are correctly inserted onto the spindles



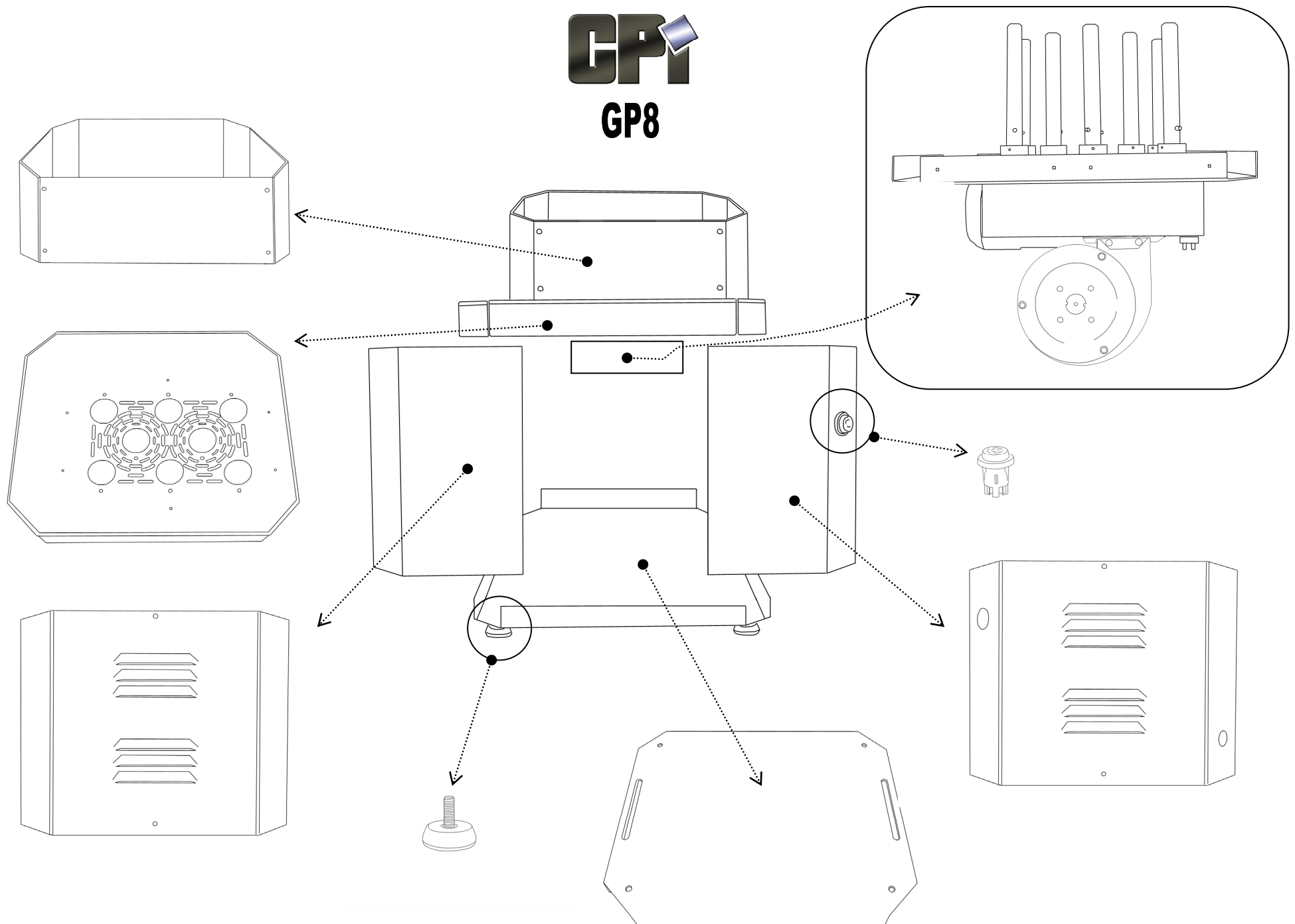
EXTRAORDINARY MAINTENANCE

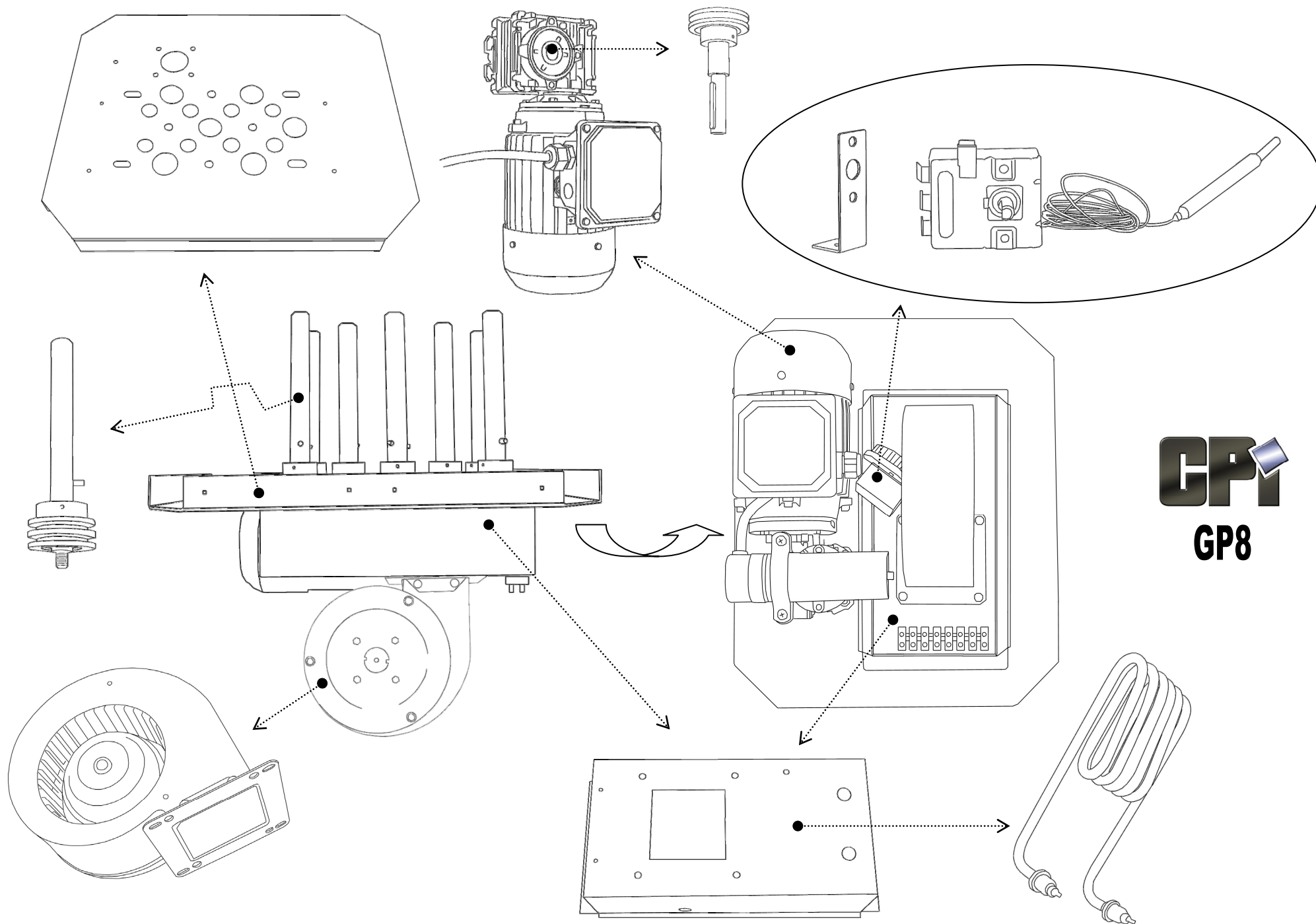
This maintenance must be carried out only by a qualified technician.

Extraordinary maintenance is a rare occurrence and consists essentially of replacement of one of the following items:

- a damaged component
- a damaged electric cable (scratched, or compressed)

GP8

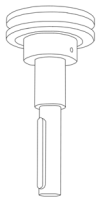

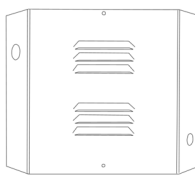

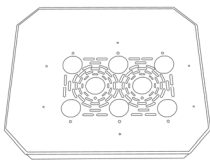

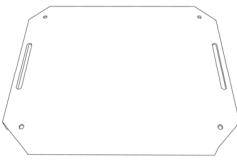
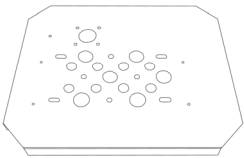
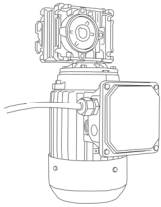
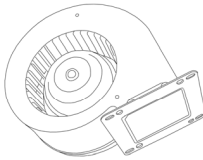
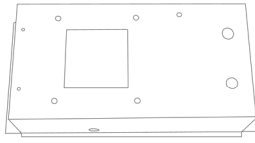





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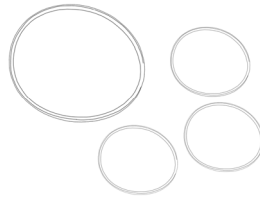


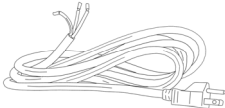


GP 8: SPARE PART CODES

Motor Rod - complete Code: 702	Brush Rod – complete Code: 747	Cover with venting slits Code: 736	Cover without venting slits Code: 737
			
Top cover Code: 741	Air funnel Code: 742	Bottom cover Code: 740	Spindles support Code:
			
Motor + capacitor Code: 812	Fan Motor Code: 822	Heating element cover Code: 738	Heating element Code:
			



GP 8: SPARE PART CODES

Heating element support Code: 749	Thermostat Code: 640	Light switch + cap Code: 127	Belts Code: (1) 338 + (3) 339
			
Foot Code: 778	Cablegland Code: 397	Cable + plug Code: 904	
			



QUICK START OPERATING PROCEDURES FOR "STEMSHINE" - THE GLASS POLISHER

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Model GP8A



Position the unit at waist height on a clean surface - remove the dust cover.

Press the illuminated **POWER** button to turn on the machine. **Wait 10 minutes** to allow the unit to warm up.

FOR ULTIMATE RESULTS, GLASS / STEMWARE SHOULD COME FROM YOUR ON-SITE HIGH TEMPERATURE DISHWASHER -- FRESHLY CLEANED + WASHED.

DRYING TECHNIQUE **DO NOT APPLY PRESSURE ON THE GLASS OR THE BRUSHES**



Wear the specialized CPI "dimpled" polishing gloves. Lift the glass(es) and place on one of the two middle brushes. Form a circle with your thumb and fore-finger and encircle the stem of the glass - the "OK" grip. This "OK" grip should only be used to balance the glass -- the glass should rotate slightly on the brushes.



Place the glass over one of the MIDDLE brushes and gently guide the stem of the glass. Gently rock the glass back and forth, side to side, for approximately 3 to 4



Lift the glass and place it on one of the four outside brushes. Quickly repeat the rocking action for another 3 to 4 seconds. Finally, pick up the glass using the "OK" grip and then pinch the stem of the glass, again



Place the base of the glass against the front three brushes to dry/polish the top and bottom of the base. Using the pinching grip place the glass in the proper storage vessel.



Once you have completed drying/polishing all of the glasses allow the STEMSHINE to run for a minimum of 10 minutes to fluff up the brushes.



Turn the unit 'OFF' and REPLACE the dust cover.





QUICK START OPERATING PROCEDURES FOR “STEMSHINE” - THE GLASS POLISHER

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CLEANING INSTRUCTIONS TO BE DONE DAILY

1. In order to clean the glass polisher, turn the unit off and unplug it.



2. Remove the brushes from the support by rotating the brush in a counter clockwise direction and gently pulling the brush upwards.



3. Remove the brush completely by slipping it off its support

4. Place the brushes evenly on the flat rack or dish rack of your dishwasher (either by laying down or standing them up) -- being sure that they are NOT overlapping.

5. Run them through the regular wash cycle in your on premise, high temperature dishwasher.

6. When the regular wash cycle on your dishwasher is complete, place the brushes back onto the colored spindles.

7. Replace the brushes on their color coded supports (red, green and yellow). Turn the brush in a clockwise direction to lock in place. Be sure that the brushes are correctly inserted onto the spindles.



8. After all brushes have been placed on the supports, plug in machine and turn power on. Run for approximately 15 to 30 minutes or until dry.

9. Turn power Off.

10. Replace dust cover.

