



User Manual

2.5 Gal Commercial Steam Cleaner

Model: DP-CSM1224



For any service-related issues,
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Contents

Features4

Safety.....5

Technical Specifications6

Parts List.....7

Preparation.....8

Operation 10

Maintenance 11

Troubleshooting 12

Warranty..... 13

Features

The DP-CSM1224 (2400 W, 110–120 V) is a compact, high-performance steam cleaner designed for use in homes, hotels, restaurants, hospitals, office buildings, bathrooms, kitchens, and for carpet cleaning.

Despite its small size, the DP-CSM1224 delivers strong steam pressure suitable for a wide range of residential and commercial cleaning applications.

Steam Pressure Characteristics

The steam pressure of the DP-CSM1224 is not constant and operates in a pressure cycle: Steam pressure decreases from 87 psi to 58 psi over approximately 20–30 seconds during continuous operation.

The unit then maintains operation at 58 psi.

When the steam gun is released, pressure begins to rebuild.

It takes approximately 30 seconds for the pressure to return to 87 psi.

This pressure cycling allows the unit to deliver higher peak pressure when needed for effective cleaning.

Actual performance may vary depending on ambient conditions and usage.

Safety

Ensure the power supply voltage and capacity are correct and that the unit is properly grounded before operation.

Use clean water only. Do not add chemicals, additives, or cleaning agents to the water tank, as this may cause blockage or damage.

Test the leakage protection device before use to ensure it is functioning properly.

Wear protective gloves during operation.

Do not point the steam gun at people.

Do not touch the steam hose or metal components during operation to avoid burns.

Close and lock the steam gun before adding water.

If the machine stops automatically due to low water, ensure the steam gun is closed before refilling and restarting to prevent accidental steam discharge.

Always turn OFF the main power supply after daily operation is complete.

Immediately disconnect power if any abnormal condition occurs.

Have the unit inspected or repaired only by an authorized service provider.

Do not operate the machine until the issue has been resolved.

Do not disassemble or attempt to repair the unit yourself.

Clean the internal piping using an approved scale-removal solution:

Twice per month under heavy use

Once per month under light use

Regular descaling helps extend the service life of the machine.

Protect the machine from rain and moisture.

Do not allow water to enter the unit during filling.

Exposure to water may cause electrical failure or damage.

Technical Specifications

DP-CSM1224 Steam Cleaner

Specification	Value
Model	DP-CSM1224
Steam Pressure	58–87 psi
Maximum Steam Temperature	Below 230 °F
Preheating Time	1 minute
Power	2400 W
Voltage	110–120 V, 60 Hz
Weight	33 lb
Dimensions (W × D × H)	9.8 × 15.7 × 17.3 in
Water Consumption	2.1 gal/hour
Water Tank Capacity	1.06 gal

Notes

Product dimensions and specifications may vary slightly due to ongoing product improvements.

Specifications are subject to change without prior notice.

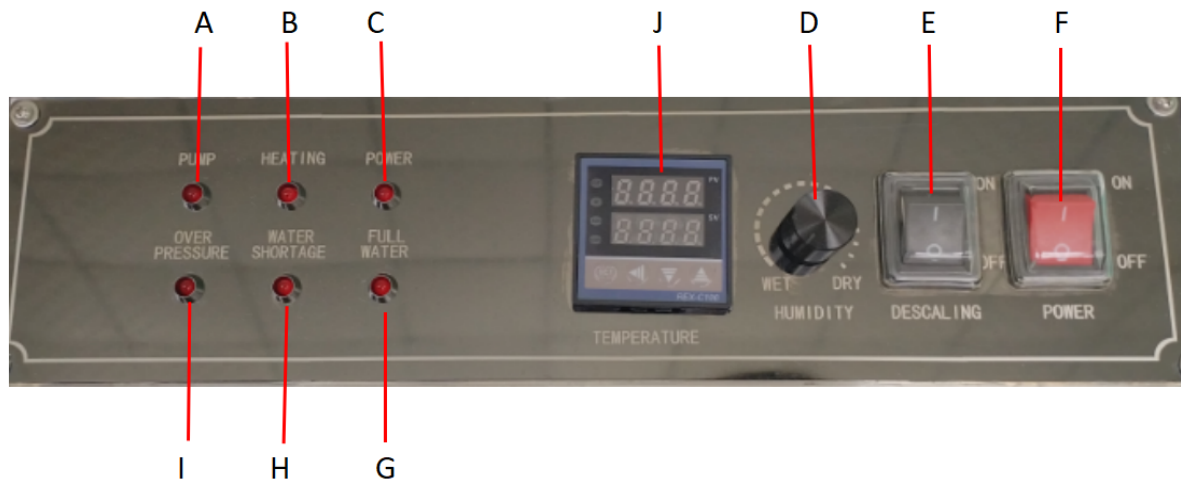
Parts List

See the figure below:

1. Panel
2. Manual water inlet
3. Forced drain switch
4. Exhaust fan
5. Steam Outlet connection
6. Drain valve
7. Power supply
8. Descaling pipe connection port



Preparation



Control Panel Indicators and Controls

A. Pump Indicator

Illuminates when the water pump is operating.

B. Heating Indicator

Illuminates when the heating system is operating.

C. Power Indicator

Illuminates when the unit is connected to a power source.

D. Steam Output Control Knob

Adjusts the steam output level and steam dryness/wetness.

E. Scale Remove Switch

Turn ON only when performing a descaling (scale removal) procedure.

F. Start Switch

Main control switch used to start operation and stop the unit when needed.

G. Full Water Indicator

Activates with an audible alarm when the water tank is full.
Stop adding water immediately when this indicator turns on.
Excess water may discharge from the overflow outlet on the side of the unit.

H. Water Shortage Indicator

Activates with an audible alarm when the water level is too low.
When this indicator is on, the machine automatically shuts off the heating system and pump to prevent damage.
Normal operation will resume after water is added.

I. Overpressure Indicator

Illuminates when steam pressure exceeds the rated operating level.
The unit will automatically shut off the heating system and pump as a safety measure.
Normal operation will resume once pressure returns to the rated level.

J. Temperature display

Shows real-time temperature and set temperature.

Manual Water Inlet

Used for manually filling the water tank with a funnel when no automatic water supply is connected. Ensure that no dirt or debris enters the tank during filling.

Forced Drain Switch

Used to drain the internal tank during cold weather or long-term storage. Press and hold the forced drain switch at the rear of the unit for several seconds to empty the tank completely.

Exhaust Fan

Provides internal air circulation and helps dissipate heat during operation.

Outlet Connection

Connection point for attaching the steam brush or accessory hose.

Drain Valve

Used to manually drain water from the tank.

Power Supply

Connect the unit to a properly grounded electrical outlet that meets the rated voltage requirements.

Scale Inlet

Connection point for the descaling tube used with a scale-removal solution container.

Operation

1. Preparation Before Use

- a. Read this manual carefully before operating the machine.
- b. Verify that the power switch is in the OFF position and that the electrical supply meets the required voltage and capacity. Connect the power cord properly.
- c. Confirm that a suitable water supply is available.
- d. Ensure the start switch is OFF, then connect the steam gun securely to the machine.
Make sure the bottom drain valve is fully closed.

2. Filling the Water Tank

Connect the power supply. The power indicator will illuminate.

If the water shortage indicator activates and an audible alarm sounds, add water to the tank.

Stop adding water immediately when the full water indicator turns on and the alarm sounds.

If water continues to be added beyond this point, excess water may discharge from the overflow outlet.

3. Startup Procedure

If the water shortage indicator is OFF, turn the start switch ON.

The heating indicator will illuminate and the unit will begin the heating cycle.

Approximately one minute later, the pump indicator will illuminate and the pump will begin supplying water. Steam output will then begin.

4. Steam Adjustment

Adjust the steam output using the steam control knob according to the cleaning requirements.

5. Shutdown Procedure

Turn the operating switch OFF to stop the machine.

Open the steam gun briefly to release any remaining steam pressure.

After daily operation is complete:

Open the bottom drain valve to empty the water tank.

In cold weather, press and hold the forced drain switch at the rear of the unit for several seconds to remove any remaining water from the internal piping.

Disconnect the power supply and prepare the machine for the next use.

Maintenance

Steam Pipe (Descaling Procedure)

Due to prolonged contact with water, scale may accumulate inside the internal copper piping. Regular descaling is required to maintain proper performance.

Use a steam washer scale-removal solution or an approved boiler descaler.

Descaling Procedure

Keep the machine connected to the power supply, but do not turn the power ON.

Fill the water tank until the water shortage indicator turns OFF.

Prepare a separate container to hold the scale-removal solution.

Disconnect the steam hose.

Connect the descaling tube to the scale inlet on the front of the machine.

Place the other end of the tube into the container holding the scale-removal solution.

Turn ON the Scale Remove switch.

Do NOT turn on the main power.

The descaling tube will draw the scale-removal solution from the container.

The solution and water mixture will discharge from the steam hose connection.

Once descaling is complete, turn OFF the Scale Remove switch and remove the descaling tube from the container.

Fill the container with clean water.

Turn ON the Scale Remove switch to flush residual descaling solution from the internal piping.

Repeat this flushing process at least three times to ensure all residue is removed.

Troubleshooting

Power indicator does not illuminate after startup

1. Check the power indicator first.
2. Inspect the circuit board protection tube for damage.

Heating indicator does not illuminate

Check the indicator light.

Inspect the connectors for the heating system temperature controls for looseness or damage.

Overpressure condition without indicator activation

After approximately one minute of operation, inspect the low-temperature control components.

Check for loose or damaged connections if pressure exceeds the rated operating level without triggering the overpressure indicator.

Steam pressure cannot be adjusted

Check whether the steam control (potentiometer) connector is loose or damaged.

After-Sales Service

Do not attempt to operate or service the machine if an abnormal condition occurs.
Contact your distributor or an authorized service center for assistance.

You may also contact customer service by phone or email to report the issue and describe the malfunction.

Warranty

Limited Warranty

Dapper Supply, Inc. extends a limited warranty to the original purchaser, guaranteeing that this Dapper Supply product is free from manufacturing defects in material or workmanship for one year from the date of purchase. If a defect is discovered within the warranty period, Dapper Supply, Inc. reserves the right to repair or replace the product at no cost to you, or to cover the cost of replacement parts and repair labor necessary to address defects present at the time of purchase or resulting from normal usage, provided the product has been installed, operated, and maintained according to the provided instructions. Any replacement parts requested within the first year are free of charge and fall under this warranty.

At its sole discretion, Dapper Supply, Inc. may choose to replace the product. In such cases, the replacement product will carry the warranty for the remainder of the original unit's warranty period. This warranty is valid exclusively for the original purchaser of the product and applies only within the United States. The warranty begins on the date of the original purchase. Proof of the purchase date is required to obtain service under this warranty.

Under this limited warranty, your sole and exclusive remedy is the repair of the product as described above. All warranty services must be performed by a Dapper Supply-authorized service provider.

To claim warranty or request repair service:

Email: support@dapper-supply.com

Include your name, address, phone number, details of the warranty repair request, and a copy of your proof of purchase receipt. Alternatively, visit dapper-supply.com and use the "Contact Us" page. A Dapper Supply customer service representative will assist in arranging service for your product.

Thank you for choosing Dapper Supply.

WARRANTY EXCLUSIONS

This limited warranty does not cover:

1. Product failure due to power outages, interruptions, or inadequate electrical service.
2. Damage incurred during transportation or handling.
3. Damage caused by accidents, pests, lightning, wind, fire, floods, or other acts of God.
4. Damage resulting from accidents, misuse, abuse, improper installation, repair, or maintenance, including the use of devices that alter or convert the voltage or frequency of electricity.
5. Unauthorized product modifications, repairs performed by unauthorized providers, or use of non-approved replacement parts.
6. Cleaning and maintenance not performed according to the user manual.
7. Use of incompatible accessories or components.
8. Any costs associated with repairs or replacements under these excluded circumstances will be the responsibility of the consumer.

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