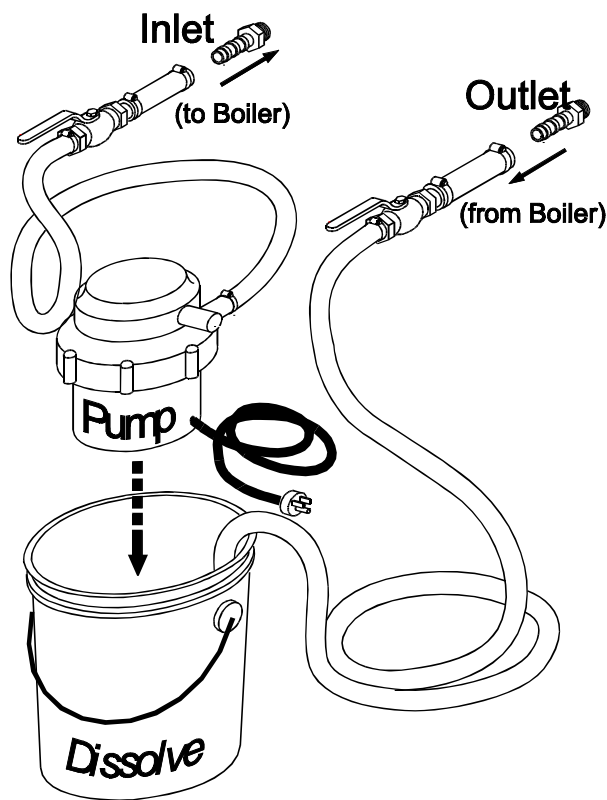


Descaling is the most important maintenance you can perform on a steam cooker, and is required by the Cleveland Range warranty.

The Descaling Pump System circulates DISSOLVE descaling liquid through the boiler of the steamer. Recirculating the descaling liquid provides a faster and more thorough cleaning process than the conventional soaking process.

Descaling Procedure For the SteamCraft Power 10 (Using the Descaling Pump System)



Cleveland Range has developed the Descaling Pump System for owners of the SteamCraft Power 10 Convection steam cookers.

The Pump System provides a fast, highly efficient way to descale Cleveland Steam Cookers. The descaling Pump Kit includes a temporary hand-hole plate that is equipped with two descaling ports, one for the inlet and one for the outlet. This is to be used only for the Pump Kit and replaced at the end of the procedure.

The Descaling Pump System consists of a submersible pump, a 5-gallon reservoir pail, Hand-Hole plate with ports, the feed and drain hoses, and the temporary hose couplings necessary to connect the system to the Classic Series Cleveland Steamers.

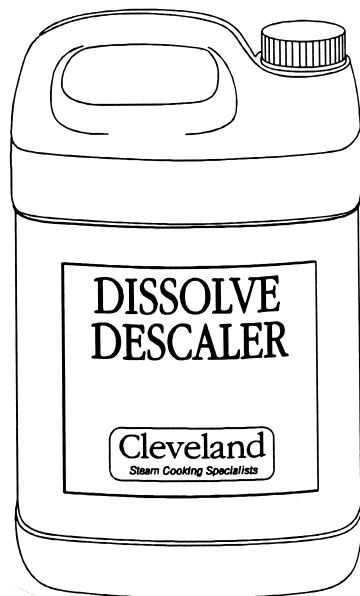


NOTE:

Only service technicians authorized by Cleveland Range should perform the descaling procedure. Read and be familiar with the procedure before starting. Follow the procedure exactly as given.

DISSOLVE Descaling Liquid

Use only Cleveland Range DISSOLVE descaling product. Five gallons of descaling liquid will be needed during this procedure. Avoid unnecessary contact with the descaling product; read and follow safety precautions on the container label.



DISSOLVE Order Quantities		
Container Size	Qty	Part No.
1-gallon bottles	6	106174
5-gallon pail	1	1061741
5-gallon pails	12	10617411
5-gallon pails	24	10617412

Overview of Pump Descaling Procedures

Below is a summary of the descaling procedure using the Pump System. The detailed procedure is given on page 3 and 4.

Descaling should be done as required by your maintenance schedule. The process takes about an hour and a half to complete.

Part A – Equipment Setup

- Turn off the steamer to drain the boiler
- Remove the handhold plate of the boiler and attach the hand-hole plate with the descaling ports
- Connect feed and drain hoses
- Fill reservoir pail with DISSOLVE descaling liquid and insert pump.

Part B – Descaling

- Turn on power to steamer; boiler will begin to fill
- Turn on pump
- Monitor liquid levels in boiler and pail- regulate level using hand valves
- Let liquid circulate for one hour
- Turn OFF steamer, pump; boiler will drain

Part C – Clean Water Flush

- Turn On steamer; boiler will fill
- Empty the pail of spent solution, refill with fresh water
- Route Drain hose to floor drain
- Turn pump ON and circulate for 5 minutes, monitoring water levels
- Turn OFF pump; close all valves; turn OFF steamer; boiler will drain
- Replace hand-hole plate, check gasket

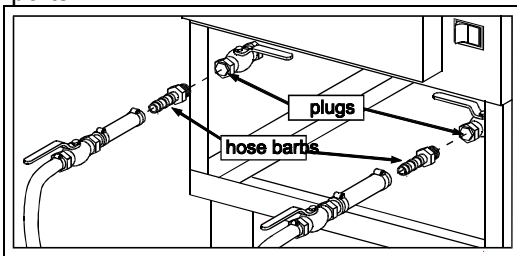
Part D –Take Down and Return to Service

- Turn ON Steamer; boiler will fill
- Remove hoses and couplings;
- Activate steam switch; unit ready to operate

Detail Procedure- Using the Descaling Pump System

A. Equipment Setup

1. Turn the Steamer OFF; the boiler will drain automatically
2. Open the door at the base of the unit
3. Remove the hand-hole plate and gasket. Discard old gasket.
4. Inspect the boiler for scale build up.
5. Remove any loose scale within reach that is around the hand-hole plate.
6. Install Hand-Hole plate with the descaler ports. And a new gasket.
7. Attach the 3" Feed and Drain nipples with the attached unions to the INLET and OUTLET ports.

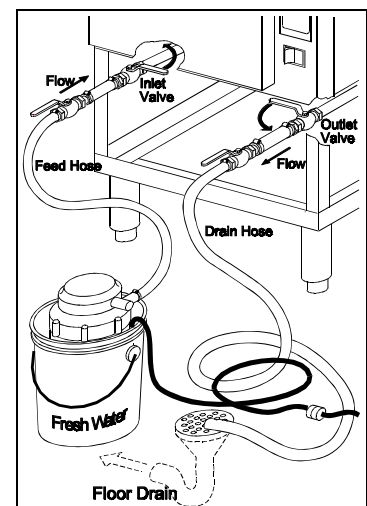


8. Connect the 1/2" Feed Hose with attached union to the bottom of the 3" nipple.
9. Connect the 3/4" Drain Hose with the attached union to the top 3" nipple.
10. Make sure both Feed and Drain Valves are closed. Drop the open end of the Drain Hose into the reservoir pail.
11. Fill the reservoir pail with 5 gallons of DISSOLVE descaling liquid.
12. Lower the Pump into the descaling liquid. *Proceed to Part B, descaling.*

B. Descaling

1. Turn the Steamer power ON.
2. Turn the Pump ON and open the Feed Hose Valve to the boiler. Let the boiler fill with descaler to just above the top of the Sight Glass before opening the Drain Hose Valve. Make sure the Drain Line Hose is in the pail with the pump.
 - Do not allow the liquid to fall below the pump intake. Water may be added to reservoir pail to keep pump intake submerged.
 - Watch for liquid at the sight glass
3. Open the Drain Hose Valve when the descaler reaches the level just above the top of the Sight Glass.
4. While the descaler solution is circulating, keep an eye on the liquid level in the pail. Do not allow the level to fall below the pump intake or to overflow in the pail. The required level can be maintained by controlling the flow with the Feed Hose Valve

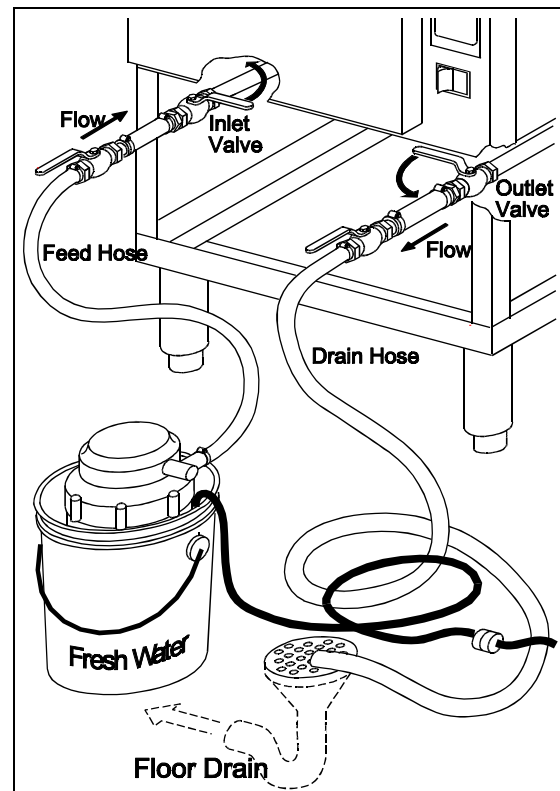
5. Let the pump circulate descaler for 1 hour.
6. After 1 hour, turn the Steamer power OFF; the boiler will automatically drain.
7. Turn OFF the pump; close both the Drain and Feed Hose Valves. Proceed to Part C, Flushing.



PN-260SCP

B. Flushing

1. After the boiler has drained completely, it must be flushed with water.
2. Turn the Steamer back ON; it will begin to filling.
3. Remove the Pump from the pail. Remove the Drain Hose from the pail.
4. Empty the spent descaling solution, refill it with fresh water and put the pump back in.
5. Do Not put the Drain Hose back in the pail; instead, route it to a floor drain.
6. While the boiler is refilling, observe the water level in the sight glass.
7. When the level reaches the middle of the sight glass, turn ON the pump and open the Feed Valve of the steamer.
8. When the level reaches the top of the sight glass, open the Drain Valve of the steamer.
9. Let the pump run 5 minutes; keep an eye on the water level in the pail; additional water may be added to keep the pump submerged.
10. After 5 minutes, turn OFF the pump, close the Feed and Drain line Valves, turn the OFF the steamer power; the boiler will automatically drain. *Proceed to Part D. Takedown and Return to Service*



D. Takedown and Return to Service

1. The Steamer descaling procedure is complete; loosen the hose clamps, remove the hoses.
2. Replace the Hand-hole plate with the original.
3. Turn the Steamer back ON; the boiler will refill.
4. When the amber Steam Light comes on, activate the STEAM switch to bring the unit back to operating temperature
5. Record the current date in your descaling maintenance records