

The Clean Light

The Clean Light is a standard feature on many new Cleveland Range steam cooking units. The Clean Light lets you conveniently and automatically schedule descaling of your cooker's steam generator. It keeps track of how many hours your unit has been operating. When the programmed number of hours have elapsed, the "Cleaning Required" light will turn on.

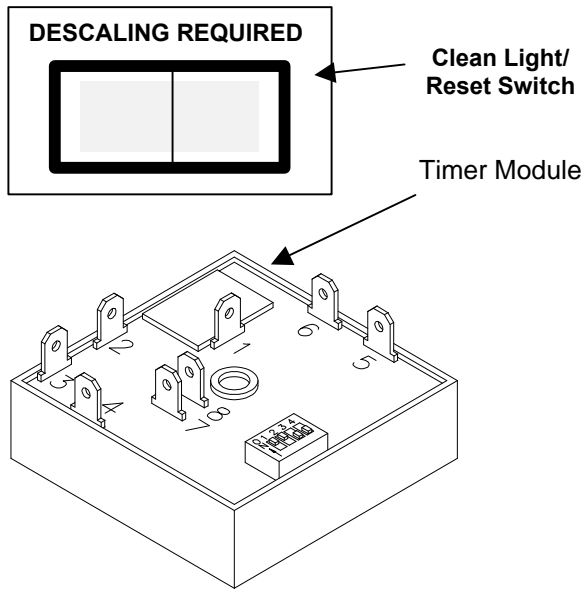
Descaling is the most important maintenance you can perform on a steam cooker, and is required by the Cleveland Range warranty.

"Scale" is the thin layer of minerals deposited inside the generator through daily use. The buildup of scale reduces the free flow of steam, harms internal components, and wastes energy. If scale is allowed to buildup excessively, the life of the generator will be affected.

Before the introduction of the "Clean Light", descaling was performed on a regular schedule, usually every two to four weeks. Unfortunately, this method wasn't very dependable because it relied on the operator's memory or was performed only when convenient.

The Clean Light feature eliminates the problems of manual scheduling by tracking the number of hours the cooker is operating, and automatically lighting an indicator when cleaning is due.

How does the Clean Light Work?



The Clean Light consists of an indicator light, a solid state timer module, and a reset/rocker switch. (The light and reset switch consist of a single device on the front panel, identified by the “Descaling required” label.)

The timer is a digital clock module inside the unit that keeps track of how many hours your steamer is in operation. After the desired numbers of operating hours have elapsed, the indicator light comes on. As soon as practical, you should descale the generator.

When done cleaning, reset the timer to zero by pressing the rocker switch, and resume normal operations. (For details on steam generator cleaning, see our *Descaling Procedure Instructions*)

Proper Timer Setting Depends on Water Quality

Suggested Timer Settings Based on Water Quality / Hardness For all Models Except 24CGP10 Units

Quality of Feed Water	Hardness (grains/gal.)	Timer Settings
Poor	25	128 hours
Average	15	256 hours
Good	7	384 hours
Very Good	3 or less	512 hours

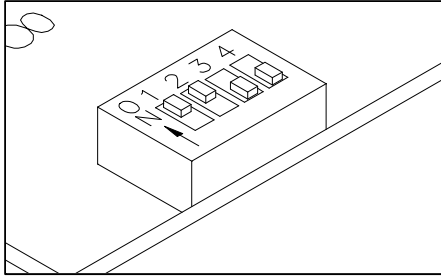
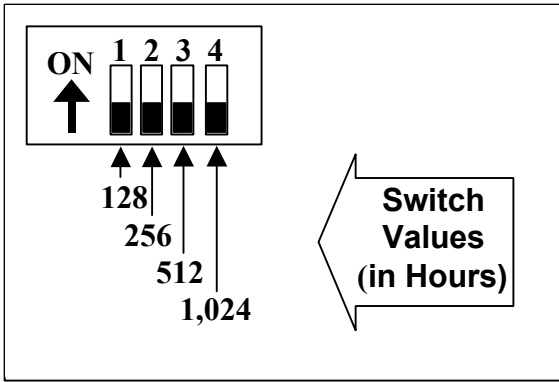
A number of water quality factors affect the operation of your steamer, but the factor that causes scale buildup is known as Total Dissolved Solids, commonly referred to as “hardness”

Before installing your steam cooker, you should have your water tested. Note that the equipment warranty requires you to supply good water and to regularly descale your cooker. (Refer to our bulletin *Water Quality Guide for Steam Cooking Equipment* for a complete discussion on water quality.)

Suggested Timer Settings Based on Water Quality / Hardness For 24CGP10 Units

Quality of Feed Water	Hardness (grains/gal.)	Timer Settings
Poor	25	384 hours
Average	15	768 hours
Good	7	1,152 hours
Very Good	3 or less	1,920 hours

After having your water tested, you should consult with a water treatment specialist and a Cleveland Range service representative to decide on the need for water treatment. Once you have implemented the necessary treatment, use your feed water’s final hardness rating to determine the timer setting that’s right for your installation. The tables at the left suggest the appropriate timer settings.



Miniature Slide Switches

The Timer Module contains a bank of miniature switches that determines the timer setting. The switches can be placed in either the ON or the OFF positions.

Each switch has a specific value. The total timer setting is the sum of the values of all switches that are in the ON position. Turning on switch 1, for example, contributes 128 hours to the total time.

Factory Timer Setting

The Clean Light timer is preset at the factory with switches 1 and 2 turned ON. Adding the values of these switches result in a setting of 384 hours (128 + 256). For 24CGP10 units, the timer is preset with switch 1 and 4 turned ON resulting in a setting of 1,152 hours (128 + 1,024). Refer to the procedure on pages 4 and 5 if you want to change this setting.

How Often Will the Clean Light Come ON?

Timer Settings (all models except 24CGP10) How Often Will Cleaning Be Required?				
	512 hours	384 hours	256 hours	128 hours
Heavy 100 hrs/wk	5 wks	4 wks	2.5 wks	9 days
Average 80 hrs/wk	6.5 wks	5 wks	3 wks	11 days
Moderate 60 hrs/wk	8.5 wks	6.5 wks	4 wks	2 wks
Light 40 hrs/wk	13 wks	9.5 wks	6.5 wks	3 wks

How often the Clean Light comes on depends on the timer setting and how much you use your steamer.

The timer keeps track of the hours your steamer is actually turned on – whether you are cooking or not. Since scale builds up as long as the steamer is on, you should turn off the steamer if you will not be cooking for more than an hour or more. This will extend the time between required cleanings.

To use the tables at the left, estimate your steamer usage (heavy, average, moderate, light), then read your “cleaning required” value under the appropriate “timer settings” column (which is based on your feed water quality, from table on page 2). For example, if you have “good” quality water, you would set the timer to 384 hours; if your usage is ‘heavy’, the Clean Light will come on about every 4 weeks.

24CGP10 Timer Settings How Often Will Cleaning Be Required?				
	1,920 hours	1,152 hours	768 hours	384 hours
Heavy 100 hrs/wk	5 mos.	11.5 wks	7.5 wks	4 wks
Average 80 hrs/wk	6 mos.	3.5 mos.	9.5 wks	5 wks
Moderate 60 hrs/wk	8 mos.	4.5 mos.	13 wks	6.5 wks
Light 40 hrs/wk	12 mos.	7 mos.	4.5 mos.	9.5 wks

Procedure to Change Clean Light Timer Switch Settings

*Read this procedure completely before starting.
The Clean Light Timer setting should be changed only
By qualified maintenance technicians familiar
with electrical safety procedures.*

CAUTIONS

For reasons of safety and accessibility, you should – if possible – change timer settings before installing your cooker. It is safer and more convenient to work on the unit before it is moved into place and before it is electrically connected.



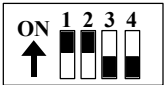

If you need to change the Clean Light Timer settings it's installed, you must be sure to:





- a. Turn OFF the SteamCraft at its front Panel;
- b. Turn OFF all power at the cooker's electrical disconnect switch.

Note: Some SteamCraft units (the electric powered Ultra 10, for example) have two steam generators, and therefore two Clean Light Timers. For these models, this procedure should be repeated for both generator units.

Make sure all power to the unit is turned off.

1. Determine the time you want to set. You can use one of the suggested settings or you can set any time you choose. Make a sketch of the new switch settings.
2. Remove the right-side cover of the unit.
3. Locate the timer module. Depending on the SteamCraft model, the timer module will be mounted either vertically or horizontally on an electrical chassis near the bottom of the unit.
4. Locate the miniature switch panel on the timer module.
5. Set the timer switches. It is a good idea to turn them all OFF first with a fingernail. Then turn ON the desired ones. Use a suitable tool to slide the switches ON. (A straightened paper clip with a small hook formed at its end makes a good tool.)
6. Verify that the switches are in a desired position. Initial and date your sketch and tape it to the inside of the unit for future reference. Replace the side cover.

Suggested Timer Settings For all Models Except 24CGP10 Units		
	128 hours	Switch 1 on
	256 hours	Switch 2 on
	384 hours	Switches 1 and 2 on
	512 hours	Switch 3 on

Suggested Timer Settings For 24CGP10 Units		
	384 hours	Switches 1 & 2 on
	768 hours	Switches 2 & 3 on
	1152 hours	Switches 1 and 4 on
	1920 hours	Switches 1,2,3 & 4 on

