

Lowering Temperature

Models: 520HN, 520PN, 330PN



BOSCH



WARNING

LP & NG are extremely flammable. Take extra precautions when performing any work to the heater.

Introduction

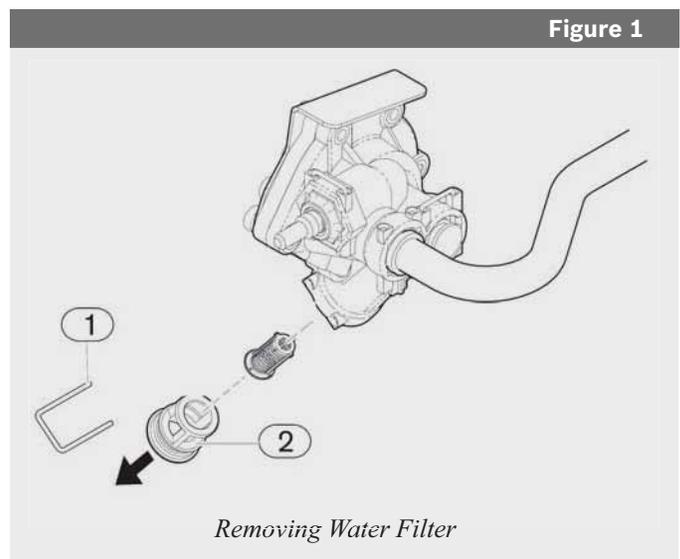
When the temperature adjustment knob on the front of heater is turned all the way clockwise (hotter temps.), the heater requires a 0.6 gallon per minute flow rate to activate. When the temperature adjustment knob is turned all the way counter-clockwise (cooler temps.), the unit will require a 1.1 gallon per minute flow rate to activate. Although common sense tells us to turn this knob counter-clockwise to achieve a lower outlet temperature, we recommend that the temperature adjustment knob be kept all the way clockwise, to take advantage of the 0.6 gpm activation point. Please move knob to this setting and follow the steps below for alternative ways of lowering temperature.

Solution

Increased water flow helps to lower the outlet temperature and ensures that the heater stays activated especially when mixing cold water at the outlet.

1. Increase the flow by cleaning the inlet filter screen in the heater. (Fig. 1) Consult Technical Service Bulletin: *Cleaning Inlet Filter* for more detailed instructions on removing the inlet filter.

Figure 1



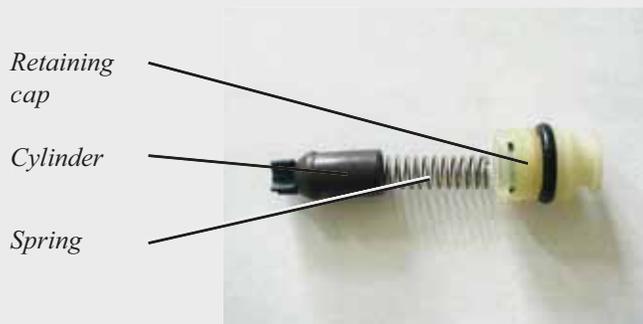
2. Increase the flow at all outlets. For sinks, remove faucet aerator screen on end of sink. Flush screen with water to clean and reinstall. For showers, remove showerhead and flush with water. If the head is clogged with mineral deposits, clean according to manufacturer's specifications or replace. Please note, if the showerhead is a hand-held/wand style, these can be extremely restrictive. If cleaning or flushing showerheads/aerators fails to produce adequate flow, try upgrading with higher flowing versions.
3. Decrease the gas volume by moving gas slide control (models 330PN, 520PN) or gas control knob (model 520HN) to the small flame position.
4. If temperatures are still too hot, increase water flow by removing the water governor/restrictor. Shut off cold water supply to heater and remove wire clip on volumetric water governor housing from right side of water valve behind water outlet pipe. (Fig. 2) Remove retaining cap with o-ring and spring/cylinder assembly inside. (Fig. 3) Re-install retaining cap with lubricated o-ring and wire clip only. No inner components should be left inside. Operate heater

Figure 2



Water Governor Location

Figure 3



Water Governor



BOSCH

Bosch Thermotechnology Corp.
50 Wentworth Avenue
Londonderry, NH 03053

Tel: 1-866-642-3198
Fax: 1-603-584-1687
www.boschpro.com