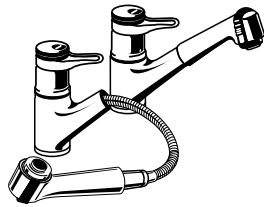
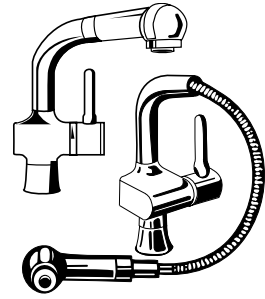


EuroPlus



and Ladylux

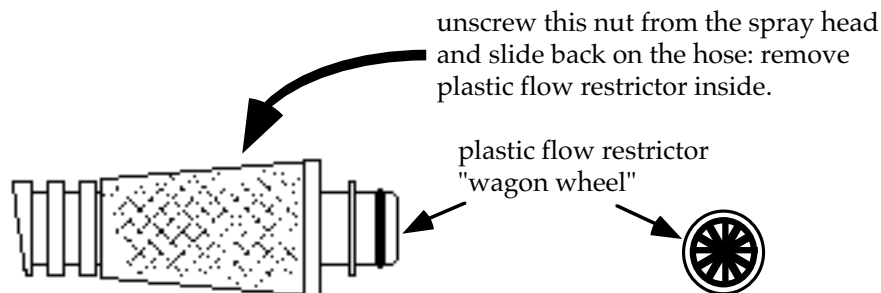


low-flow remedies (pre-1996)

This guide is to help the home owner or installing contractor correct a problem with restricted flow rate through the Europlus (33.853) and *Ladylux* (33.790) Grohe faucets.

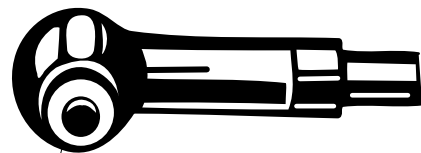
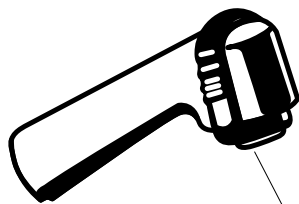
In all cases, the flow restriction is environmentally caused: Debris from the existing piping system becomes lodged in the faucet. Grohe doesn't make pre-plugged-up faucets.

Remove redundant flow restrictor. In some models, there is a plastic perforated flow restrictor just inside the end of the hose. Unscrew the sprayhead *and/or snap coupling* from the chrome, knurled, tapered nut. Slide the nut back from the end of the hose, and remove the flow restrictor from the inside of the hose using needle-nosed pliers. This may require some force, and the flow restrictor may break in pieces. That's okay, you won't want to replace the flow restrictor.



Before reattaching the spray head *and/or snap coupling*, run some water through the hose to thoroughly flush the faucet.

Clean out the aerator. Unscrew the chrome metal housing at the outlet of the spray head. The aerator insert will fall out. Use a toothbrush, (not your own!) to clean sand and debris from the blue screen. Reassemble. If you need a new aerator insert, order part# 45.220 for Europlus. For *Ladylux*, order part# 45.002.



*Remove chrome aerator housing
rinse or brush clean the blue screen
on the aerator insert*

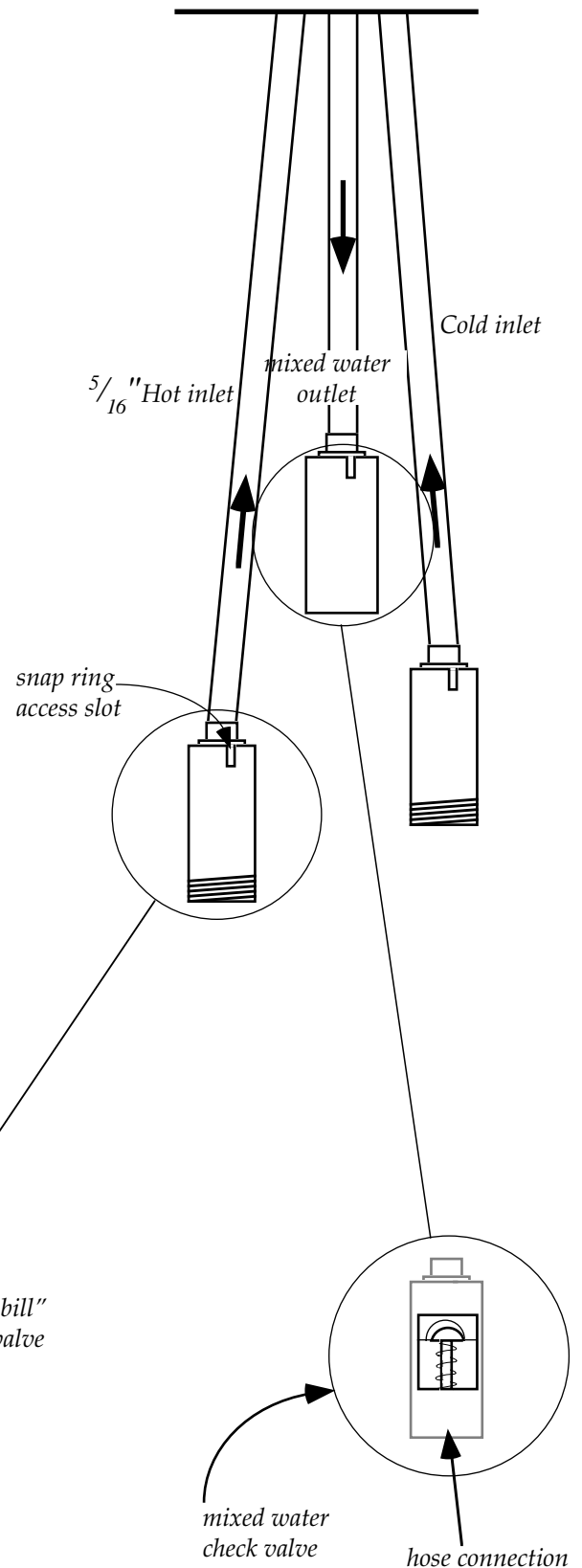
Clean out inlet check valves. At the hot and cold inlet connections there is a “ducksbill” check valve. This “ducksbill” allows water into the supply line, but doesn't allow water to flow backwards through it.

Sometimes an accumulation of sediment from the inlet supply can collect around the “ducksbill”, and won't allow water through and into the faucet. To restore full flow through the “ducksbill”, remove the snap ring on top of the swivel connection, remove the “ducksbill” and flush the assembly with water. This may have to be done on both the hot and cold inlets.

Alternately, removal of the “ducksbill” can be done by removing the supply inlet nut from the swivel connector, and prying the white plastic “ducksbill” retaining washer from the bottom of the swivel connector. The “ducksbill” can then be removed from the swivel connector with needle-nose pliers. It is recommended that the mixing cartridge be removed before turning on the water supply. This will allow the inlet supply lines to be flushed; which will keep the mixed water check valve clean.

Clean out the mixed water check valve. In a very dirty installation, enough debris can move through the faucet to cause the mixed water check valve to be plugged.

To restore full flow through the mixed water check valve, remove the snap ring on top of the swivel connection with a small screwdriver, and remove the mixed water check valve from the inside of the swivel connector. You may have to disassemble the plastic check valve to clean it out. Make sure to note the way the mixed water check valve was removed from the swivel connector as the water will only go through the check valve one way!



If sand or dirt accumulates here, flow will be restricted through the inlet.

“ducksbill” check valve

mixed water check valve

hose connection

If you have any questions about these or other Grohe products, please call:
 Western Sales Co.
 (408) 353-9000