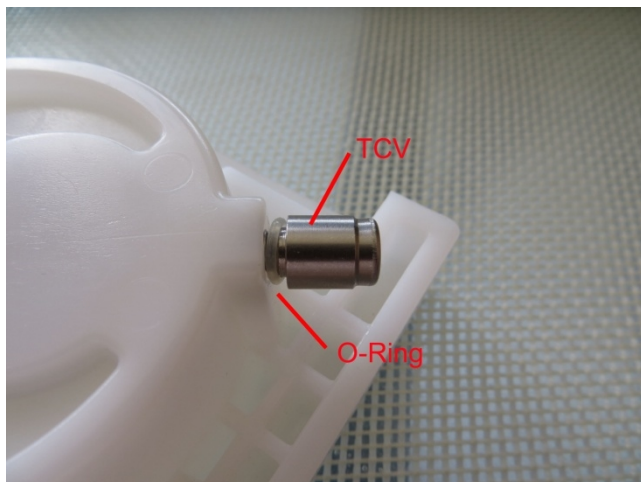


Pressure Stuck High

Pressure Too High, Low or No Coffee Flow - If you experience a high pressure that remains high and does not fall back to zero on its own there is a flow blockage. If you're not using the TCV valve then flow blockage is caused by overly fine coffee grind and/ or overly tamped coffee. If you are using the TCV valve then it may be caused by the coffee grind or by a blocked TCV valve.

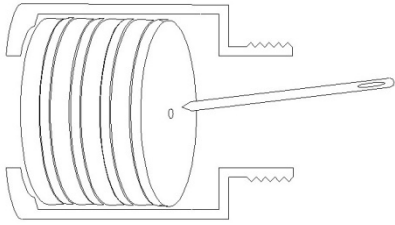
To Clear the Machine When Pressure Remains High - First pour the hot water out of the machine water tank into the sink and wait 30 minutes for the machine to cool down. If the pressure remains high place the Nomad in the sink with a cloth draped over the cube and drawer area. Slowly open the drawer latch. A small amount of fluid will spurt out at the drawer interface and be captured by the cloth. Remove the coffee, rinse and clean the drawer.

To Determine if the Problem Was Coffee Grounds Too Fine or Blocked TCV - Remove the TCV valve from the coffee chamber. The TCV valve is a small metal cylinder which screws in at the bottom of the white coffee chamber. It is only finger tight and can be removed by unscrewing it in the normal counterclockwise direction. Be careful not to lose the small clear O-Ring. Set the TCV and O-Ring aside.



Now Replace the drawer, coffee chamber, filter basket (empty) assembly back into the Nomad without the TCV. Pour some cold water into the Nomad water tank. Actuate the pump lever slowly, about one stroke per second. Fluid should pump and flow easily although the pressure gauge will show little or no pressure. Now remove the drawer, replace the TCV, and replace the drawer assembly again without coffee. Again with cold water pump the pump lever. Pressure should come up to 6 - 9 bars and fluid should flow. If this is the case then likely the coffee grind was too fine, use a slightly coarser grind and retry. If you again have flow blockage with an empty filter basket then the TCV valve is plugged and must be cleaned.

To Clean a Blocked TCV - If you have not done so already remove the TCV as above being careful not to lose the small O-Ring. The first stage of the TCV is a very fine pinhole and usually anything probing around there will dislodge the particle and clear the passage. Use a very fine point sewing needle to probe around and clear the hole (see the cut away view sketch and image below).



When you insert the needle into the open end it will come to a stop when it reaches the internal metal disk. Move it around until it finds the tiny center hole and moves into it. This requires a little bit of technique but done properly will always clear the TCV. The internal parts are rugged and can't be damaged so be as aggressive as necessary. After clearing the hole knock the TCV on the counter to knock out any debris and then reassemble and try again. When the TCV is properly cleared you can blow a very small amount of air through it.

If you don't have a small needle you can try a pipe cleaner brush or blasting it with a can of Dust-Off compressed air, the kind used to clean camera lenses. Almost anything probing around the hole area will clear the blockage but the needle works best.

Some Additional Information -- The TCV pictured here is the current stainless steel version, earlier models used a longer brass model. Clearing methods are the same for both.

At the bottom of the brew chamber is a flat perforated stainless steel disk. The purpose of this disk is to restrict particle size so that nothing large enough to block the TCV is passed through to it. Be sure to wipe this disk clean each time you clean the brew chamber.

A few machines have become plugged after only a few uses and other machines have been used for a month or more, making 2-3 shots a day without plugging. If you experience repeated plugging try using a slightly coarser grind setting.

It may be that some contamination is in the channel between the flat disk and the TCV that then gets pumped into the TCV and plugs it. Once the TCV is cleared if it plugs again then take out the flat disk (by removing the tiny single screw at its center) and the TCV and clean and flush out the channel between the disk and TCV. Make sure the area, the disk, and the TCV are all perfectly clean. Be sure to put the flat disk back in (with Chinese symbol facing down, toward the TCV) before making any coffee as using the TCV without the disk will assure plugging. If none of this works please contact us and we will send you a new TCV.