

Heater Coil types, treatment, and Descaling:

Coil types & Ratings-

We order coils from one of the biggest suppliers of heater-coils to this industry..
Of the hundreds of configurations they make..

1. We choose from the ones they make the most of.. for fast delivery, and lower cost..
they mass-produces them.
2. We choose schedule 80 coils (or better) ONLY..
..I don't care if it's going to be a replacement coil in a 200 psi steam cleaner, it's getting sch'80,
which lasts 3 to 4 times longer, and is more abuseable. period. (..and costs only about \$100 more.)
3. Every coil, before it is shipped, gets a doubled-baffle inside the fire-chamber.
Most of you don't know the baffle is a "wear-item" because the average coil only lasts 7 or 8 years.
(..reasons explained above.)
with a 10 gauge stainless baffle.. you get about 7 or 8 years use before the fire burns through,
..and sends the flame straight up through the center of the coil, giving you the dancing flames.
(We've seen yard-hands roasting their hot-dogs over these.)
..and that wasted heat allows lower working temp than you had before.
With the doubled baffles, and the proper controls & safeties, we get the coil to last 12 to 20 years
..persistently

How to treat the coil-

"Do I cool it down after use ? .. People say so, but Why ?"

The answer is simple.. before there were "pressure washers" .. there were "Steam Cleaners"..
Steam Cleaners ran at 300-350 degr.F. ..and it was obvious that cooling down a hissing dragon was a
good idea.. for hoses & all. But here's the deal at 180 to 240 degr.F ..
Cooling down the coil after each use isn't as big a deal as with real (over 300 degree) steam.
Even then, just getting the temp below 150 degrees is all you need to do..
Cool it a little.. With gun-open with heat off, flow water for about 15 seconds, .. and shut the pump down..
save your fuel and time.

The heat-Stress on the coil is not as much trauma against the coil as pressure spikes.. Most coils fail
from unmanaged unloaders and shotty control switches.. That is where your real concerns are, because
there are no gauges ("Truth-indicators") on most machines, and The big MFR's choose cheap
components, and use wimpy wiring, over #LongTermLowCost. they WANT to sell parts & service.
If you really want the coil to last as long as it can possibly last..

Empty out the water, if it sits more than a day between uses.
A quick coupling at the inlet makes this easy on a vertical coil,
..and QC at the unloader for those over-pump-horizontals.

This is especially beneficial if travelling in freezing weather.

We recently found a machine we'd forgotten about.. the user drains the heater after every use, he uses it
every week, and on the original coil.. it is 28 years old..

At www.PressureWasher.net, we Build LongTermLowCost by Design.

..and about **"Descaling"** –

with 30+ years experience in making machines Last and Last for thousands of customers.. let me be
specific.. NEVER run descale acid through a coil, unless you have restricted flow from hardWater scale,
or soap scale. Descaling exposes the metal to faster corrosion, and uncovers pin-holes which is why
service centers like to do "often" descaling.. They sell coils, by offering to descale them, and then using
harsh Hydrochloric blend acids ! Those service centers are thieves, and one of the reasons contractors
lose respect for most technicians.. They don't make sense, as they don't explain well.
..and they frequently cheat you out of Long-Term-Low-Cost.

We are NOT the most expensive manufacturer, and certainly not the biggest,
but by the simple fact of long-term results.. Ours are the BEST ..and just as meticulously Competitive.