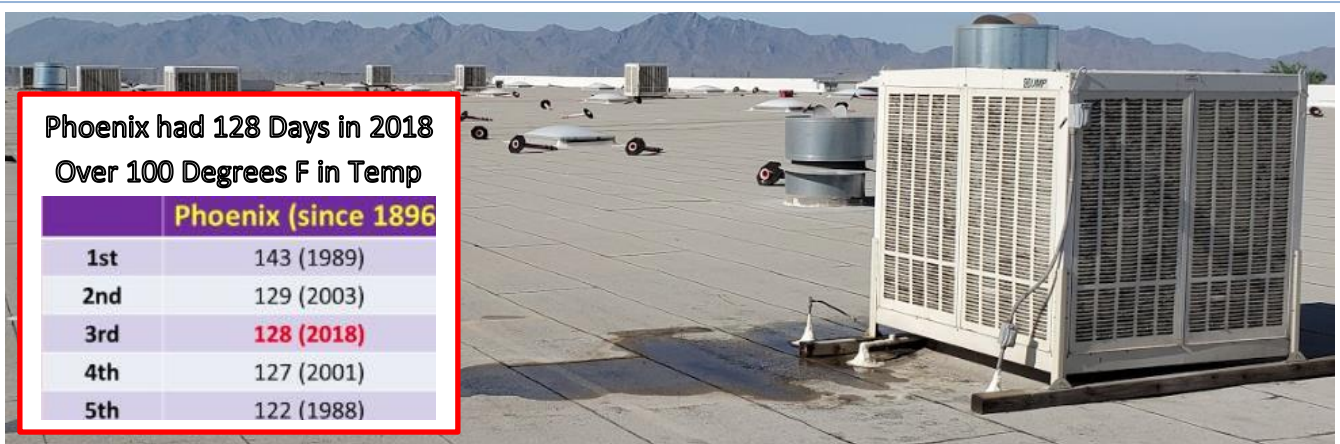


## Evaporative (Swamp) Coolers

**Customer:** Jeld-Wen Windows & Doors Phoenix, AZ

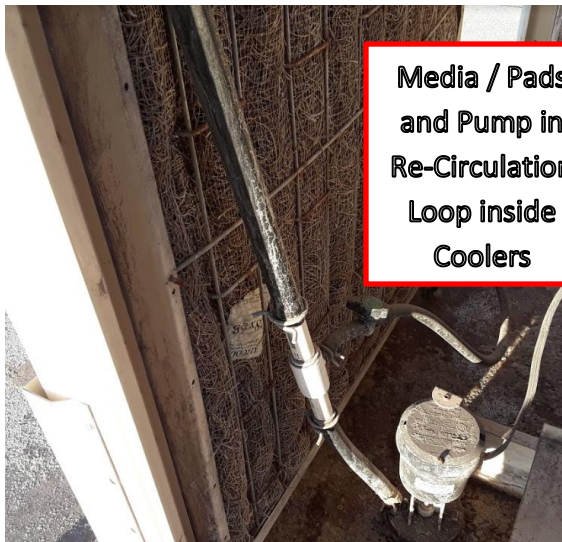
**Category:** Commercial

**Application:** Evaporative (Swamp) Coolers Model: United Metal Products • UMP-454



Phoenix had 128 Days in 2018  
 Over 100 Degrees F in Temp

	Phoenix (since 1896)
1st	143 (1989)
2nd	129 (2003)
3rd	128 (2018)
4th	127 (2001)
5th	122 (1988)



Media / Pads  
 and Pump in  
 Re-Circulation  
 Loop inside  
 Coolers



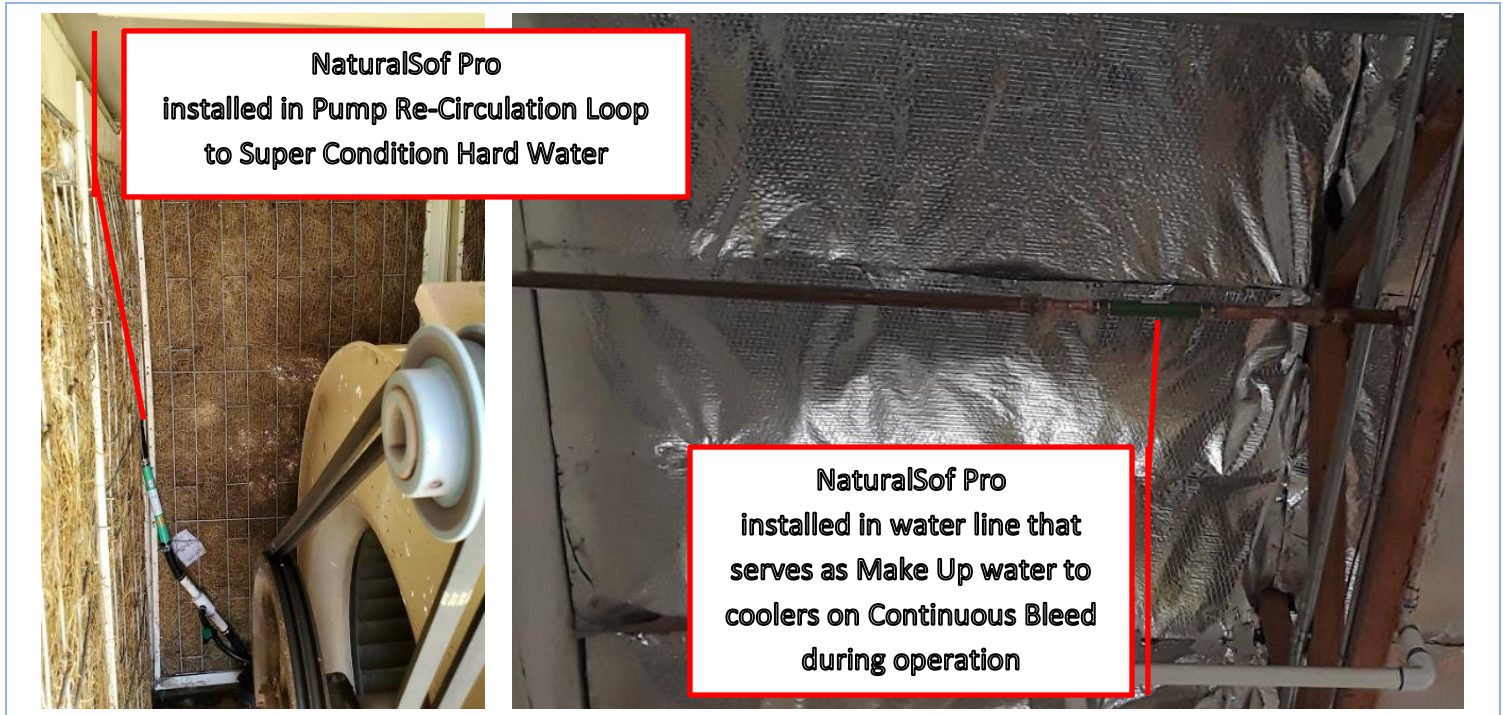
Minerals  
 concentrate  
 and form  
 scale in unit  
 basin as  
 water  
 evaporates

### The Challenge:

The Evaporative Cooling process produces massive amounts of calcium scale when units are served un-treated water. This is the normal nature of the process in any condition, but in the desert conditions of Phoenix, AZ the scale deposits are magnified greatly. **Every six (6) months pads were being replaced and were so heavy with scale that a crane had to be used to safely remove them from the roof!**



**The Solution:** NaturalSof Pro units were installed in the feed line that serves the Make Up water to the units as well as on the Re-Circ Loops within the Coolers:



**Results:** Excellent results within the first six (6) months:

