

case study

LAKOS Removes Sand in Residential Water Supply

SandMaster Plus and TwistIIClean Keeps Desert Family Happy

Application:	SandMaster Plus (SMP-20) with autopurge option and TwistIIClean (T2C-100)
Solids:	Sand
Liquid:	Water
Problem/Challenge:	Protect water system and appliances in home from sand clogging and damage

Problem:

When Veterinarian Nita Gulbas and her husband Brian built their dream home in south east Arizona, they expected to enjoy the high desert grasslands and sandy terrain, but not the sand they experienced in their water system. Local well drillers were aware of the sand problem in the area, but unaware of any solutions without pulling the pump (and perhaps installing a LAKOS Sub-K).

The sand was everywhere: in their showers, bath tub, toilet, water heater, and faucet aerators.

“It was not just a nuisance, the life of our appliances, piping, water well pump, and septic tank would have been affected. We had a large investment in radiant heated floors, and knew that there had to be a solution,” said Nita.

Other area residents told her that filters wouldn’t help in such a severe situation. “I asked our neighbors who had the same problem and they told us there was nothing we could do. Another neighbor stated he had to replace all his appliances.”





LAKOS SandMaster Plus (stainless steel) installed between the submersible pump and the pressure tank

Solution: Nita was not ready to give up; so she did some research on her own and asked lots of questions. LAKOS was the only company that had what she needed. Nita and her husband installed a LAKOS SandMaster Plus Separator between the pump and pressure tank to centrifugally remove the unwanted sand without clogging up screens or filters, and without creating unwanted pressure loss to her water system. With an automatic valve, she knew she could simply install it and walk away, without worrying again about the sand. For extra measure, she added a LAKOS TwistIIClean filter downstream of the pressure tank to capture even the finer and lighter particles.

“We want clean water. With LAKOS, it was easy. Nobody else has this kind of technology,” said Nita, “Not only are the products effective, the customer support was outstanding. I highly recommend this company for both their products and their customer support.”



LAKOS TwistIIClean installed downstream of the pressure tank

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