
Diaphragm Pump Priming

Posted by coco - 2008/05/08 05:59

I have a diaphragm pump used to pump water into my house. I recently had to replace the pressure switch (pre-set 30psi on - 50psi off). When I replaced the switch, the pressure in the diaphragm tank dropped to about 15-20 psi. I turned the pump back on and now the pump cycles constantly while running water in the house. I read where I should have "primed" the tank to 40 psi first. Ok, what's the best way to have it cycle normally again? Is the correct porcedure to

- 1). Turn off water to the pump.
 - 2). Turn off electricity to the pump.
 - 3). Open all the faucets, showers, etc to drain out the water and relieve pressure in the lines, and then close them all back.
 - 4). With lines now empty, prime the tank to 40 psi
 - 5). Turn back on water to the pump.
 - 6). Turn back on electricity to the pump.
- Thanks for any help any of you might have.
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Re:Diaphragm Pump Priming

Posted by Mivos - 2008/05/13 03:33

It sounds like you have a standard bladder type pressure tank so first I'd make sure that it is charged with enough air according to the mfg's specs for your operating pressure range and it's holding air pressure. If it's not holding air pressure first check the air valve for leaks and then check to make sure the bladder is ok. Second make sure you have the proper pressure switch (preset to 30-50). Most pressure switches are adjustable, so you may be able to make an adjustment if it's set differently. When restarting it's best to turn all water off and observe the pressure gauge to make sure it's holding pressure, then turn one faucet on and observe the on and off points, at this point you can adjust the pressure switch. Check on-off points after every adjustment. If you don't have documentation you might be able to get it off the mfg's websight. good luck. If all else fails, call a pro.

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