

# 240040 Frontier Place

## Water Pump Priming Instructions

The fresh water system is an on-demand, variable pump tank less system where the pump only runs when the system water pressure drops below 60PSI.

The Siemens Variable Frequency Drive (VFD) on the wall above the pump controls the pump's startup curve and the speed.

It has an On/Off button (Blue) which is the best for shutting off the pump (don't flip the breaker off!).

If the pump runs out of supply water from our cistern, the pump should shut off, but that does not always happen.

**NOTE: IF YOU SEE THE PUMP RUNNING DRY, PLEASE SHUT IT OFF AND LET US KNOW ON 403 236-7286**

Once the water cistern has been filled again by Shannon's water Service (403 807-7353), it is time to prime the pump to get it back to pressure.



**B: Primer spout**

**E: System Pressure Gauge**

**A: System Shut-off valve  
(yellow handle ball valve)**

**D: Pump Bleeder Valve**

**C: Primer valve  
(yellow handle ball valve)**

**1: Shut off pump**

**2: Close System valve (A)**

**3: Fill primer spout with water (B)**

**4: Open Primer Valve (C)**

**5: Open Bleeder Valve (D)**

**Let all air escape then reverse all steps.**

**Start system up and monitor pressure gauge (E).**

**Once pressure is up, SLOWLY open system shut-off valve (A) to allow system water pressure to build SLOWLY so as not to introduce Hydro-hammering in system.**

# Pump Priming Procedure.

1. Shut the pump off at the VFD on the wall (blue On/Off button).
2. Close system valve (A)
3. Fill the primer spout (B) with water from bucket in the room
4. Open the primer valve (C)
5. Open bleeder valve (D)
6. Let all air escape then close valve D, close valve C
7. Turn pump on at VFD on the wall
8. Monitor pressure gauge (E) for pressure to build to 60psi
9. SLOWLY open the system shut-off valve @ to let water back into the system without hammering the pipes.
10. Let pressure build slowly.
11. If pressure drops off suddenly it is because there is more air in the pump housing and feed line.
12. Shut the system shut-off valve and repeat the process again.....

REMEMBER TO FILL THE BUCKET FROM WATER HOSE IN THE ROOM TO HAVE PRIMING WATER NEXT TIME.