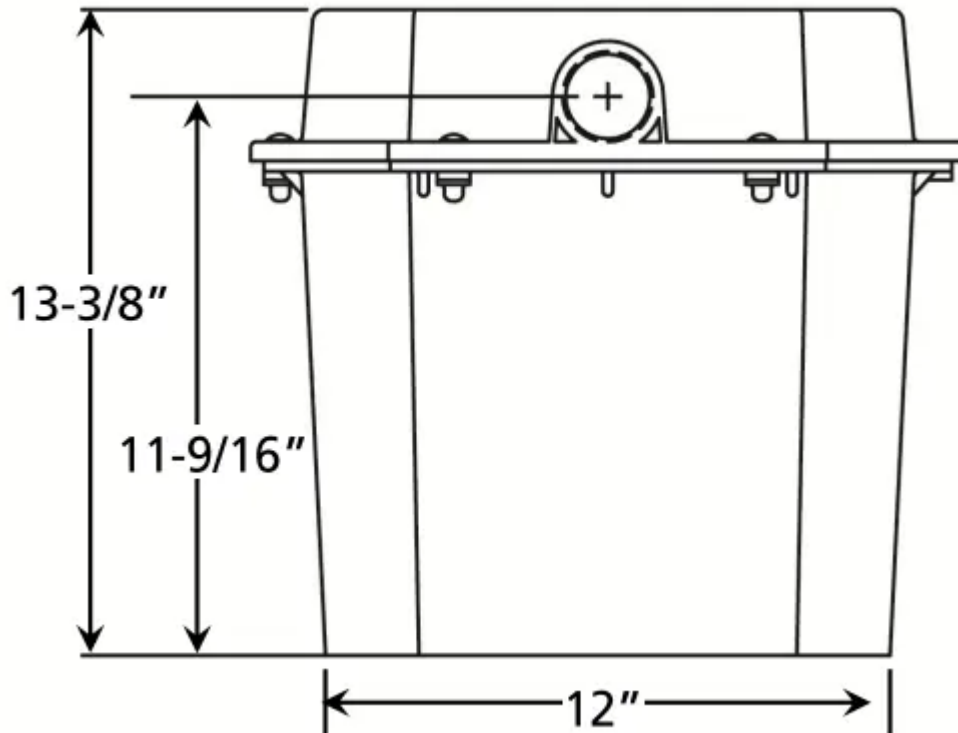
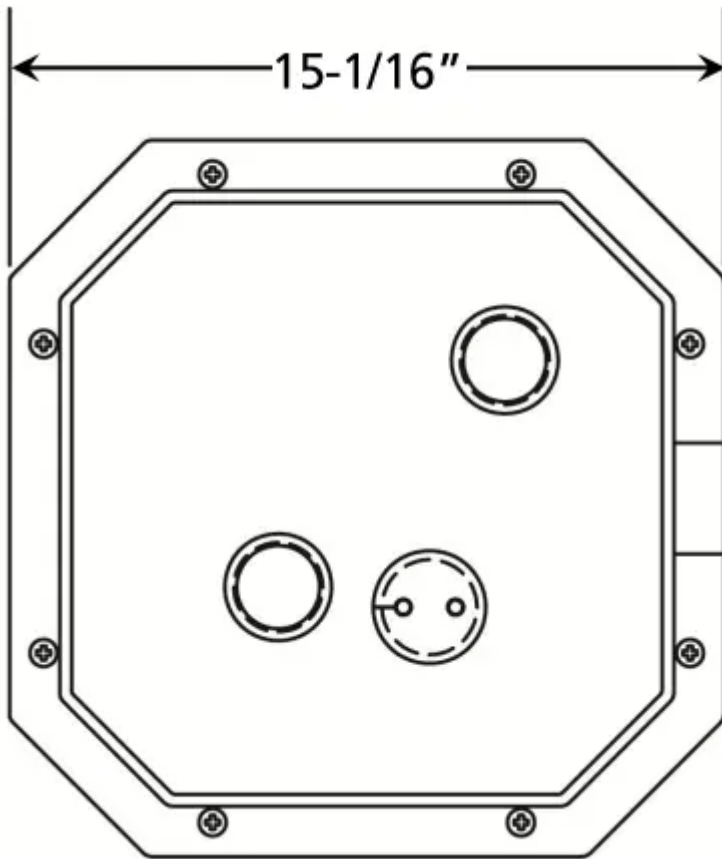


Specifications

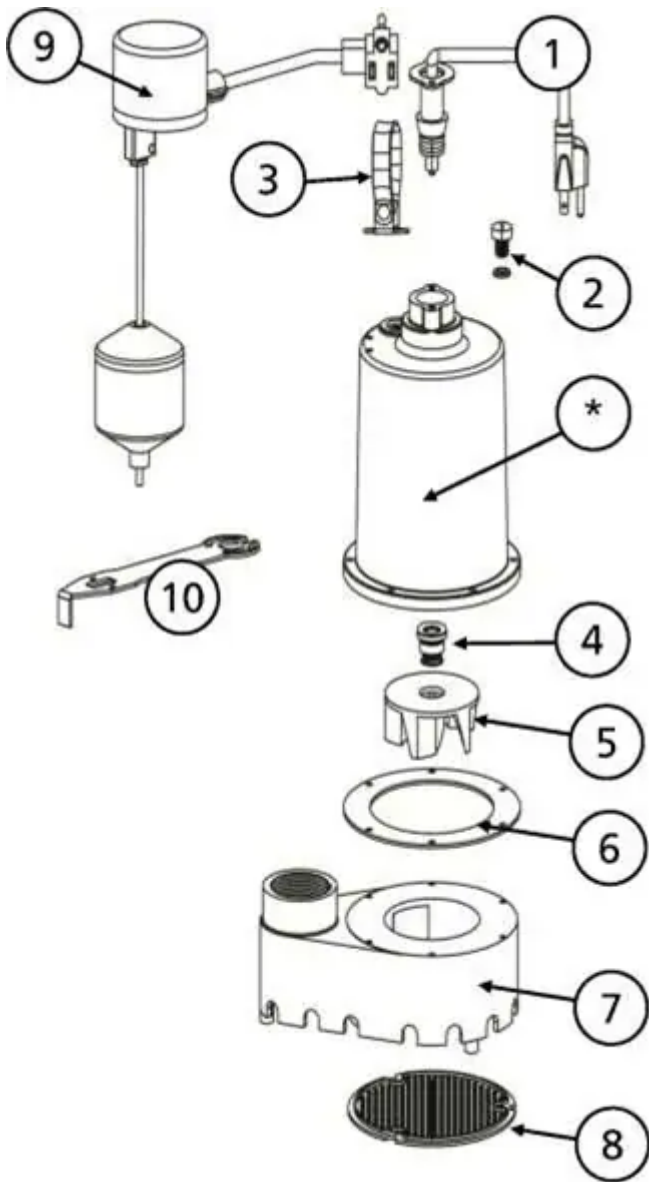
Model	92072	92017	92051
HP	1/3	1/3	1/2
Volts	120 volt AC	120 volt AC	120 volt AC
Amps	4.1 Amps	4.1 Amps	4.9 Amps
Hz	60 Hz	60 Hz	60 Hz
Phase	1	1	1
Circuit Requirements	15 Amp (min)	15 Amp (min)	15 Amp (min)
Pump Discharge Size	1-1/2" NPT	1-1/2" NPT	1-1/2" NPT
Max. Solids Handling	3/8" Spherical	3/8" Spherical	3/8" Spherical
Max. Liquid Temperature	120°F	120°F	120°F
Float Switch Type	Vertical	Vertical	Vertical
Cut in (Pump on) Level (Factory Set)	6"	6"	6"

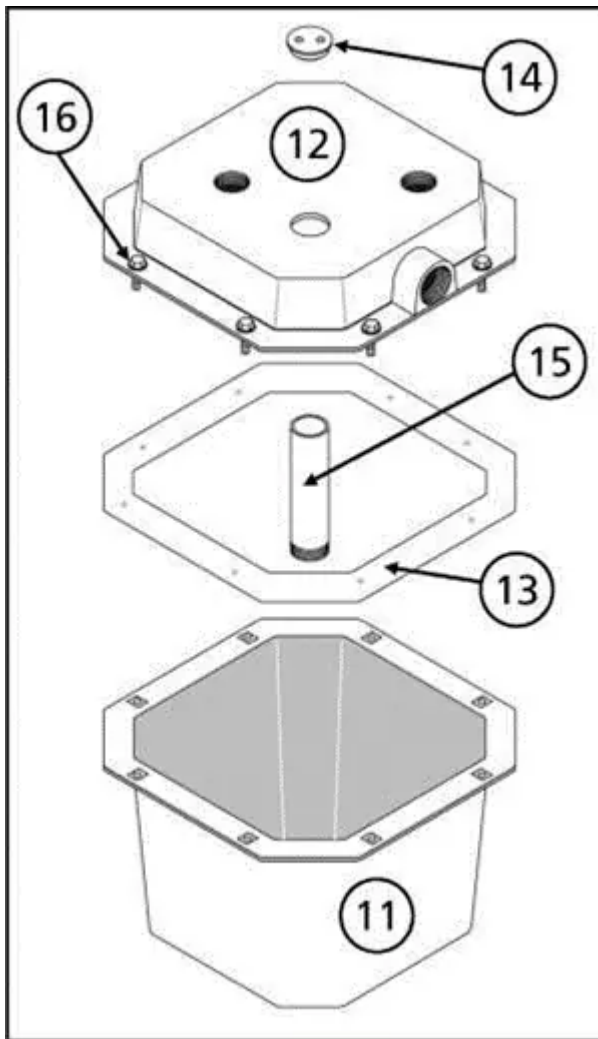
Cut-out (Pump off) Level (Factory Set)	2"	2"	2"
Cord Length	10'	10'	10'
Pump Construction	Thermoplastic	Cast Iron	Cast Iron
Impeller	Thermoplastic	Stainless Steel	Stainless Steel
Motor Shaft	Stainless Steel	Stainless Steel	Stainless Steel
Shaft Seal	Carbon/Ceramic/	Carbon/Ceramic/	Carbon/Ceramic/
Basin Material	HDPE structural	HDPE structural	HDPE structural
Cover Material	HDPE structural	HDPE structural	HDPE structural
Cover Gasket	Reusable PVC Seal	Reusable PVC	Reusable PVC Seal
Basin Inlet Size	1-1/2"	1-1/2"	1-1/2"
Basin Vent & Discharge Size	1-1/2"	1-1/2"	1-1/2"

Dimensions



Replacement Parts





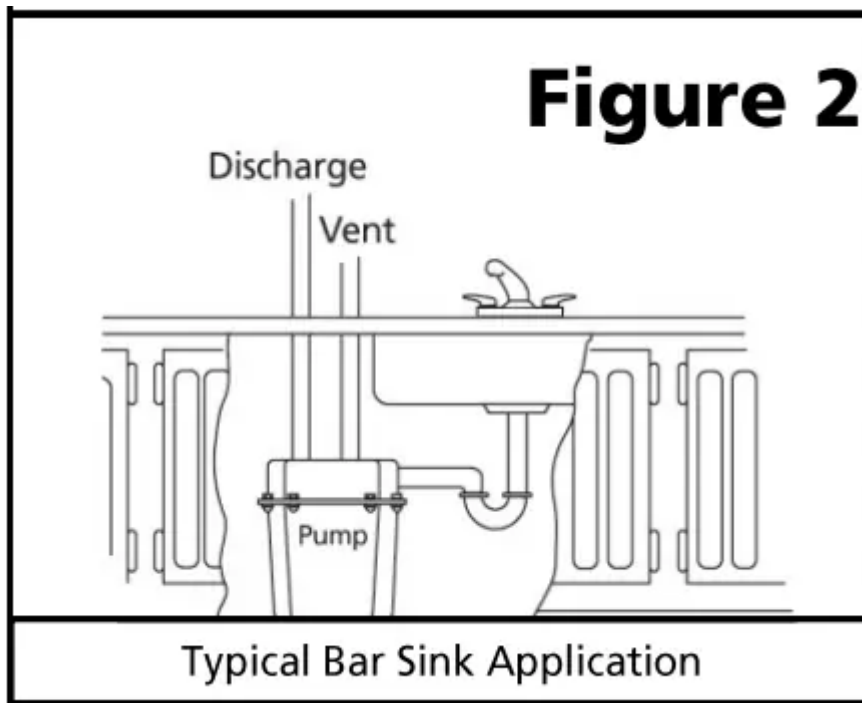
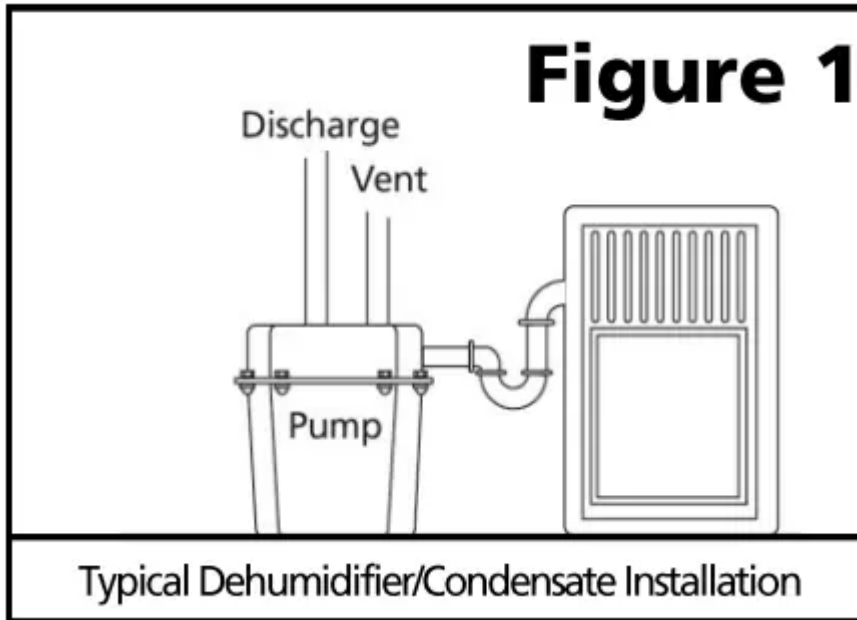
Ref#	Description	92072	92017	92051
1	Power Cord	99108	99108	99108
2	Oil Fill Plug with O-ring	99056	99056	99056
3	Handle	99051	99053	99053
4	Shaft Seal	99057	99057	99057
5	Impeller	99065	99096	99096
6	Gasket	99088	99088	99088
7	Base/Volute	99098	99078	99078
8	Intake Screen	99059	99073	99073
9	Float Switch (includes switch, float rod, float ball and grommet)	92010	92010	92010

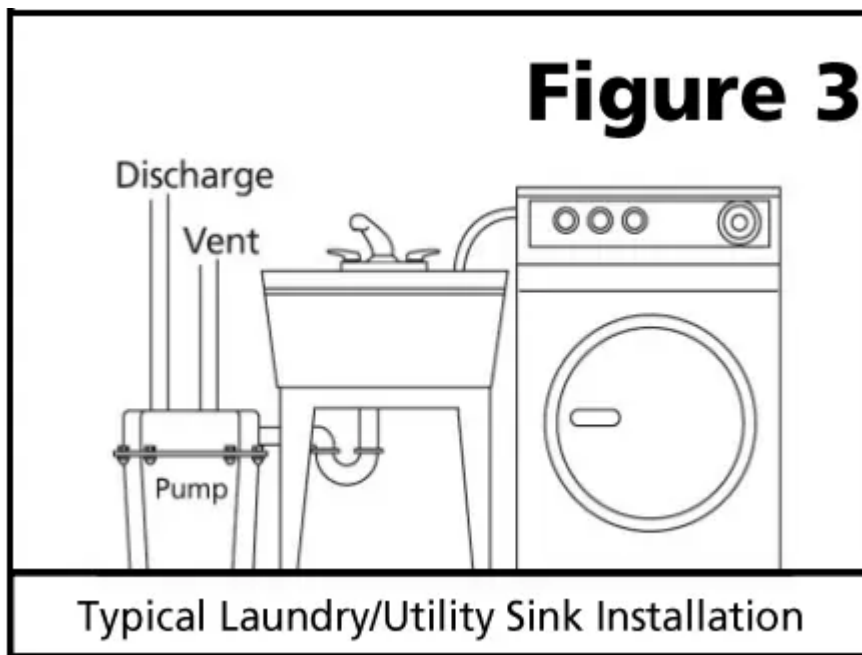
10	Vertical float Switch Bracket	99105	99105	99105
11	6 Gallon Basin	SFO6B	SFO6B	SFO6B
12	Basin Cover	SF06L	SF06L	SF06L
13	Basin Gasket	SEAL06	SEAL06	SEAL06
14	Cord Grommet	GROMM11-2-10	GROMM11-2-10	GROMM11-2-10
15	PVC Pipe	99562	99562	99562
16	Bolts (Qty 8)	HZN5421	HZN5421	HZN5421

*If motor fails, replace entire pump

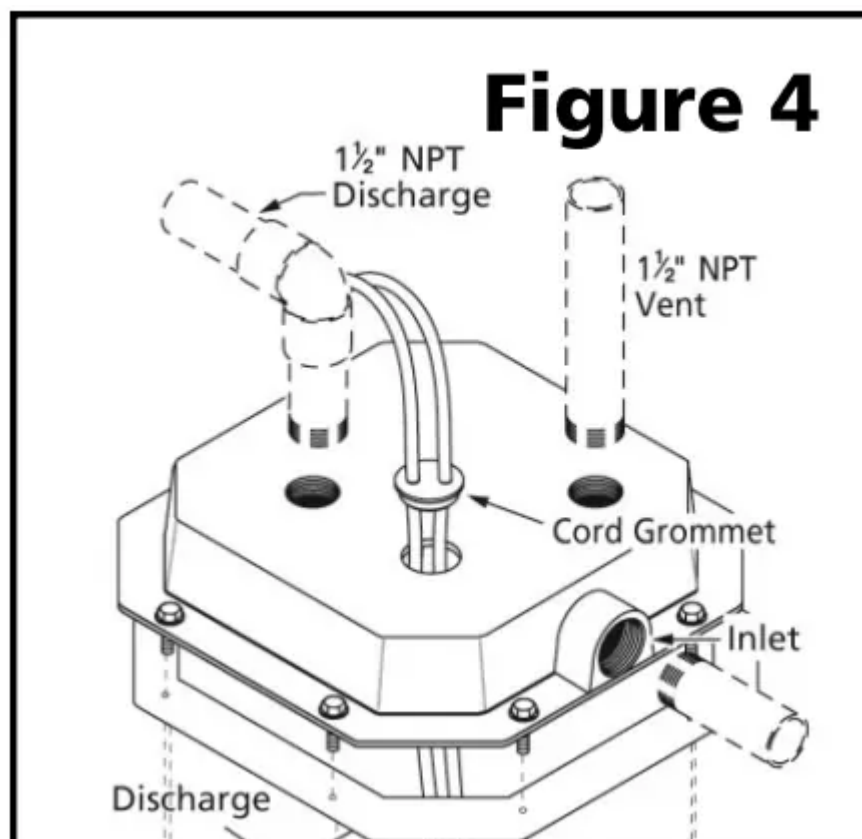
Installation

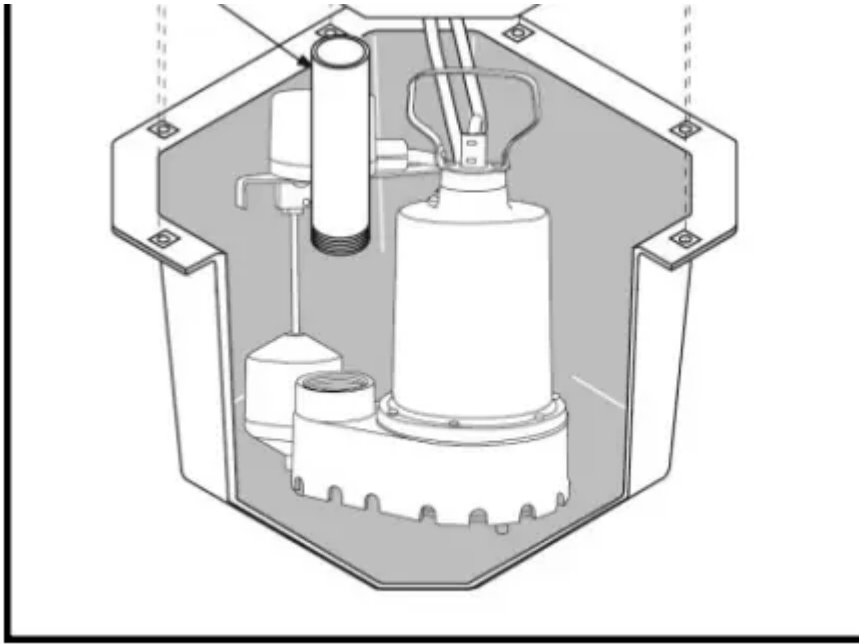
1. This pump kit is pre-assembled for easy installation. Inspect the kit for possible shipping damage prior to installation.
2. The basin should be located at the lowest point relative to the area to be drained. See Figures 1, 2 & 3 for typical installations.





3. Make sure that the inlet of the pump is lower than the water level to be pumped.
4. Install the inlet pipe into the inlet port on the basin as shown in Figure 4. Use Teflon tape or a sealant compatible with plastic to seal any threaded fittings. NOTE: If using plastic pipe (PVC or ABS), do not use ordinary pipe joint compound. This compound can degrade plastic pipe and fittings. Use Teflon tape or sealant compatible with plastic pipe.



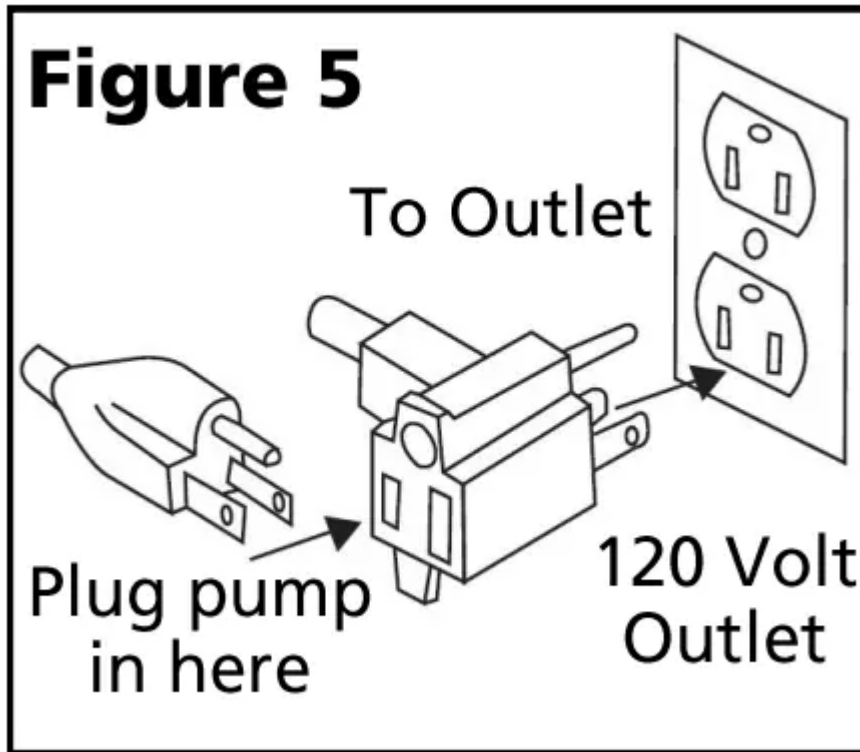


5. Install the discharge pipe to the discharge port on the basin as shown in Figure 4. Install an in-line check valve in the discharge line as close to the basin as possible. This will prevent backflow into the basin when the pump shuts off. NOTE: To reduce pumping noise, a check valve with rubber boots can be installed on the discharge pipe to dampen noise and vibration.

6. Install the vent pipe to the vent port on the basin as shown in Figure 4. The pipe should not extend into the basin. Connect the vent line to the sewer vent system.

7. This pump is designed for 120 Volt, 60 Hz. operation and requires a minimum 15 amp individual branch circuit. Both the pump and float switch are supplied with 3 prong, grounding type plugs. The float switch is plugged directly into the outlet. The pump plugs into

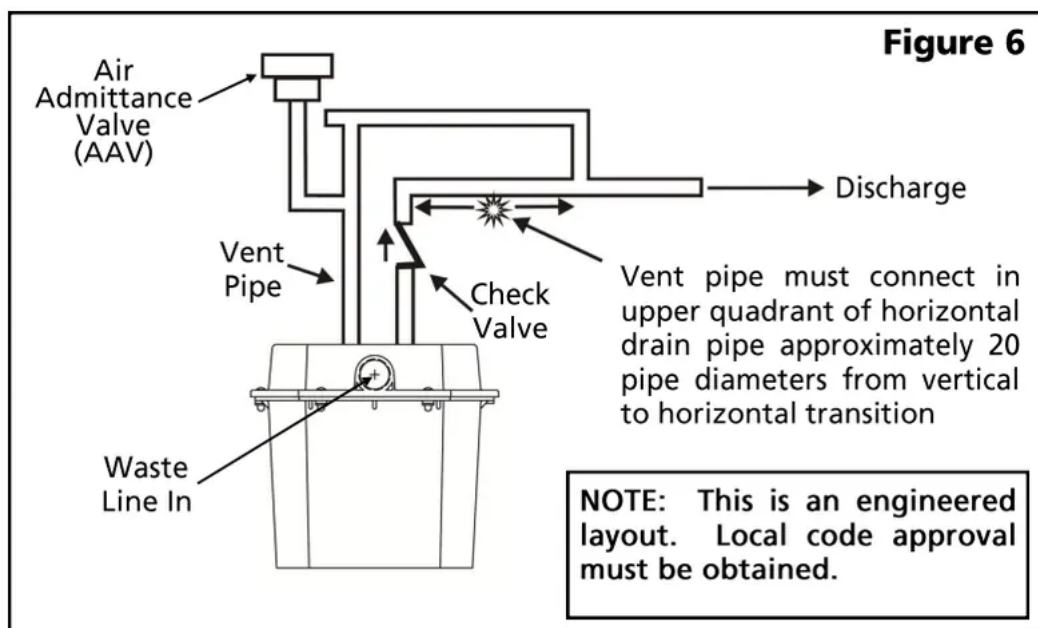
the piggy-back plug on the float switch plug. See Figure 5.



8. If the pump discharge pipe will be exposed to freezing conditions, the exposed portion of the pipe must be installed so any remaining water in the pipe will drain by gravity. Failure to do this can cause water trapped in the pipe to freeze which could result in damage to the pump, piping and personal property.

Air Admittance Valve (AAV)

The use of an Air Admittance Valve (AAV) may be used with this kit if local codes permit. Follow the piping instructions in Figure 6 for proper installation of the AAV.



Operation

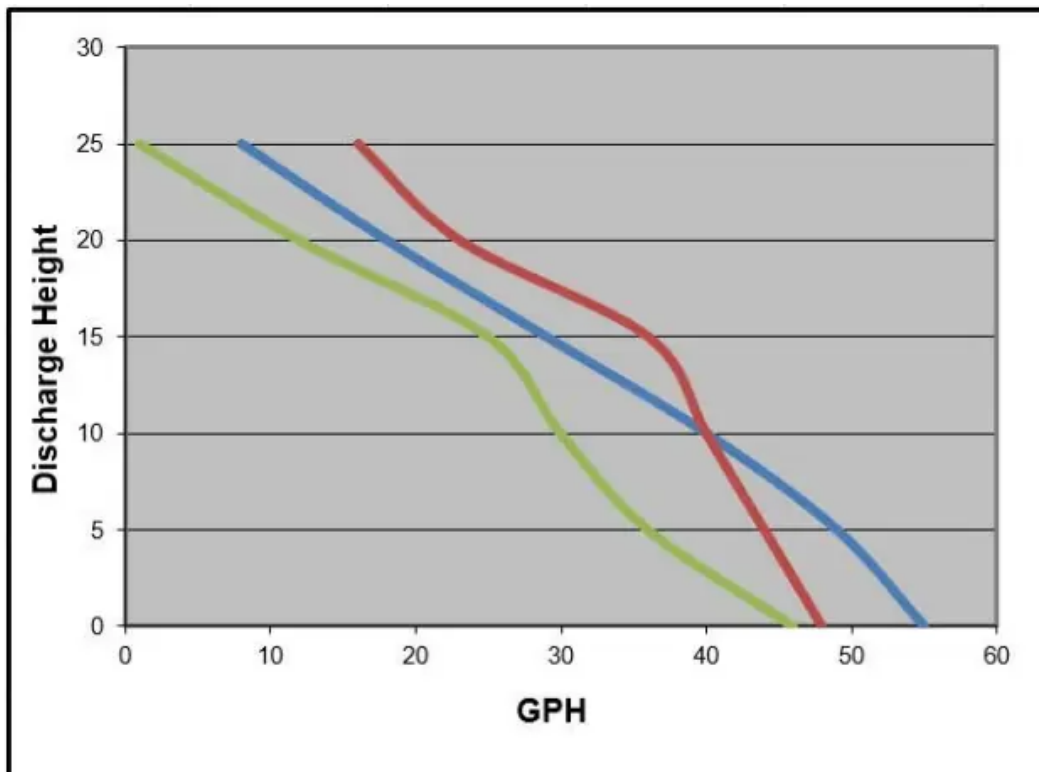
1. After the piping and electrical supply have been installed and connected, the unit is ready for operation.
2. Check operation by filling the basin with water and observing the pump through at least one complete cycle.
3. Check for leaks and make any necessary adjustments at this time.

Maintenance

1. Periodically inspect and clean the anti-airlock hole.
2. Inspect the float switch for any accumulated debris that may inhibit it from operating properly. Clean if necessary.
3. The pump has sealed, permanently lubricated bearings and require no additional lubrication
4. In applications where the pump may not activate for extended periods of time, it is recommended to cycle the pump at least once per month to ensure the pumping system is working properly when needed.

Performances

Height and/or piping restriction will reduce the pump output performance. It is recommended to use the same size or larger pipe as the pump discharge for optimum performance.



Discharge Height	0'	5'	10'	15'	20'	25'
Gallons Per Minute	48	44	40	36	23	16
Gallons Per Minute	46	36	30	25	12	1
Gallons Per Minute	55	49	40	29	18	8



Troubleshooting



Problem	Possible Causes	How to Correct
If the pump does not start or run	Pump is not plugged in, switch or breaker is turned off	Plug pump in or turn on switch/breaker
	Check for blown fuses or tripped circuit breakers or tripped GFCI outlets	Replace fuse, reset breaker, reset GFCI outlet
	Float switch is defective	Check and replace if necessary
	Motor thermal protector tripped	Allow pump to cool. Pump will reset automatically
	Float switch is stuck or obstructed	Remove obstruction or position pump so it will not become stuck
The pump cycles too frequently or runs periodically when fixtures are not in use.	Backflow of water from discharge pipe	Install or replace check valve
	Float switch is defective	Replace float switch
	Fixtures are leaking	Repair Fixtures to eliminate leakage
If the pump runs but moves little or no water	Obstructed discharge hose/pipe	Remove obstruction
	Frozen discharge hose/pipe	Allow hose/pipe to thaw
	Pump is air locked	Remove
	Low line voltage	Check wire size and increase if necessary

	Check valve is stuck in the closed position or defective	Inspect, repair or replace if necessary
	Check valve is installed backward	Make sure valve is installed in the correct direction of flow
	Worn, damaged or clogged pump parts	Inspect for wear, damage or clog and clean or replace part if necessary
	Discharge head exceeds pump capacity	If pumping height is over 25', the pump will not move water. See performance chart
Pump does not shut off	Float switch is obstructed or stuck	Remove obstruction
	Defective Float Switch	Replace float switch

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

