

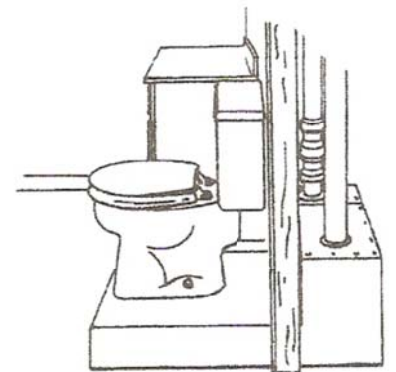
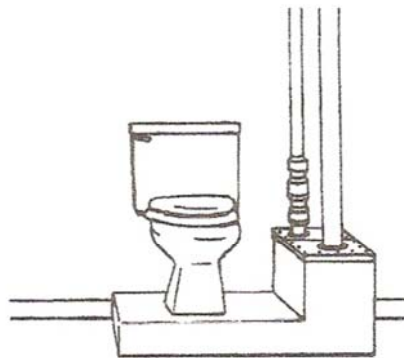
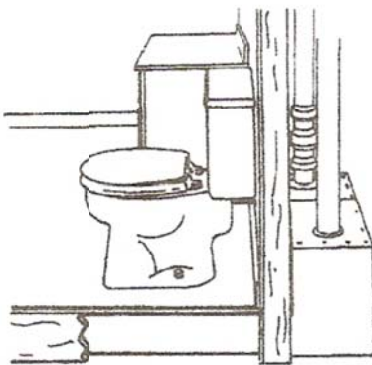


AK INDUSTRIES, INC.

PUMP JON

“AKPJM01”

Installation Manual



The Pump Jon is designed as a relatively easy Project provided the installation instructions are Followed and national or local electrical and Plumbing codes are followed. Bathrooms are usually small. Because so many activities occur in such a small place, thorough planning is a must. Get the right tools for the job before beginning, and make a specific and thorough plan. You may need to make drawings, obtain a building permit and/or have your work inspected. Be prepared, read all instructions that come with this product before installation.

Basic tools for the Job:

(Some of these tools may not be needed depending on the type of installation chosen)

Adjustable wrench	Wallboard knife
Clamps	Ratchet wrench
Flat pry bar	Sponge
Hammer	Wrecking bar
Multi-meter	Masonry hammer
Hacksaw	Paint brush
Wood Chisel	Screwdrivers
Carpenter's level	Masonry Chisel
Tape Measure	Expandable plumber's plug
Putty Knife	Marker
Cloths, rages	Notched trowel
Staple gun	Neon circuit tester
3" Hole saw	Strap wrench

1. The Pump Jon can be installed as a freestanding unit or can be enclosed.
2. Maintain at least 6 inches between major bathroom fixtures.
3. If installing a shower or bathtub, do not install them within 60 inches of any light switch

NOTE: The above recommendations meet or exceed national and most local Building Codes, and are only meant as recommendations when installing the Pump Jon alone or as part of a complete bathroom.

1. Position Pump Jon at desired location that is level within 1/8 inch for the length. Insure that nails, screws, or other sharp objects do not puncture the tank.
2. For an enclosed installation the unit is designed to fit within a 2" x 6" floor joist.

NOTE: A floor flange extender seal kit might be needed for this type of installation, and is not included with the Pump Jon system.

3. Determine the location for the Pump Jon System with attention given to access to the discharge and vent lines. Make the necessary measurements, and determine the necessary fittings and piping that is required. Be sure to observe all local plumbing codes.
4. Install brass closet bolts supplied. The position of the toilet must be determined to allow the longer bolts to be inserted in the correct holes. If the vent and discharge pipe is to be installed behind the wall, the toilet bowl/flush tank will be parallel to the pump housing and piping.

NOTE: A standard floor flange is not required.

5. Set pump in pump housing with discharge aligned with discharge in cover.
6. Apply foam gasket to flange of pump chamber. For best results, overlap ends or gasket approximately 1/2 inches.
7. Place 2 inch Adapt-A-Flex in 3 inch hole in pump chamber, this is the vent. Place 2 inch Adapt-A-Flex in other 3 inch hole, this is the discharge.
8. Install discharge pipe (approximately 18 inches in length) in lid as follows. PVC schedule 40. Approximately 3 inches should protrude through the lid when assembly is complete. Lubricate the 2 inch Adapt-A-Flex with soapy water and push the 2 inch pipe through the seal.
9. Install the lid on the tank as follows. Push the 2 inch discharge pipe down until approximately 1-1/2 inches is protruding through the lid. Pull pump power cord up out of the tank and hang over edge of the pump housing. Screw threaded adapter into the pump discharge by rotating the lid assembly, until hand tight. Feed end of pump power cord through small hole in the lid. Push lid down into position on the pump well. Tighten pump 2 inch discharge pipe with a strap wrench. Do not press cord seal into lid at this time. Bolt lid in place with (20) 1/2 inch-20 bolts and washers provided.
10. Install the threaded vent pipe or glue the vent pipe to a male adapter.
11. The discharge pipe should protrude approximately 4 inches above the surface of the lid. Attaché the check valve to the discharge pipe with the arrow on the check valve body, indicating flow, pointing away from the pump.
12. Connect 2 inch discharge pipe and 2 inch vent pipe into house plumbing.

NOTE: The unit must be vented according to local codes. Toilet will not flush unless properly vented.

13. If additional fixture(s) are being added to your installation, a 2 inch rubber pipe seal must be inserted in the tank. Refer to drawing for location.

NOTE: The bottom of the additional fixture, a 3 inch diameter hole, must be 5 inches minimum above the base of the tank as shown on drawing.

14. Drill 3 inch diameter hole at the desired location on one of the four sides of the pump chamber surface. The center line of the hole must be a minimum of 1 inch above the tank top surface if one of the sides are chosen for the flange mounting.
15. After choosing the spot for the hole, lightly center punch hole centers on pump chamber.
16. Drill a 3 inch diameter hole with a hole saw for mounting the 2 inch rubber pipe seal to the tank.

WARNING: Hole diameter must not be oversized or the tank may leak. The hole should be no bigger than 3 inches.

17. Lubricate 2 inch rubber pipe seal with soapy water and push it into 3 inch drilled hole. Lubricate fixture drain pipe and push through the 2 inch rubber pipe seal, into the pump chamber. Pipe must not interfere with the operation of or touch the pump.
18. Test the pump by partially filling the tank to a depth of approximately 4 inches. This can be checked with the tape measure through the opening where toilet is to be installed. Plug in the pump. The pump should turn on before water level reaches 4-1/2 inches.

CAUTION: Unplug the pump before adjusting the switch. If the pump does not turn on before 4-1/2 inches, slide the upper rubber "stop" down the float rod and retest. If the pump starts before 3-1/4 inches, slide the upper "stop" to a higher point on the float rod and re-test. The pump must turn on between 3-1/4 inch and 4-1/2 inch.

19. Check the tank for leaks. Attach the cord to the discharge or vent pipe. Do not leave an excess length of cord inside of tank. It may interfere with the proper operation of the pump.
20. Test the tank discharge pipe and vent pipe with a 10 foot water column if required by local code. Plug the 4 inch diameter opening in the tank with an expandable plumbers plug. Make certain the tank lid screws are torqued down properly. The system can now be tested per code requirements.

WARNING: The tank and lid will expand with the water column pressure while tested. If the tank is to be installed under the floor the testing should be completed before the floor is installed.

21. Install wax toilet bowl seals at hole and install toilet in place following the instructions from the wax seal package.

NOTE: Do not use wax seal having a flange that extends into tank; it may cause clogging. If a 1/2 inch or 1/4 inch floor is installed over the tank, the appropriate floor flange extender seal kit might be needed. See item 3 in the installation instructions.

22. Hook up water line to toilet. Turn on water and fill tank. Test for leaks, flush toilet and allow pump to cycle to insure proper operation.

AK Industries, INC.

P.O. BOX 640 / PLYMOUTH / INDIANA / 46563

www.akindustries.com

PHONE #: (574) 936-2542 / TOLL FREE #: (800) 370-3749 / FAX #: (574) 935-8470

Part Number "AKPJM01"