

Morooka Jet Flusher

AgSafe Safe Work Procedure

1. Be sure the park brake is applied.
2. Make sure the pressure pump and hose reel are turned off.
3. Prior to using the flusher ensure that all pre-start inspections and maintenance are complete.
4. Turn on the switch labeled “flusher hydraulics” located in the cab. Push top side for “on” and bottom side for “off”.
5. Set engine revolutions to 2400 RPM.
6. Spool out enough hose to reach the pipe that is going to be flushed plus a few extra feet.
7. Place nozzle inside pipe.
8. Be sure that the suction filter is clean and properly installed. (Place in cab when not in use)
9. Open suction valve located just rear of the main water tank.
10. Close valve on the bottom rear of the oil cooler.
11. When air has stopped being released from the valve on the top front of the oil cooler close the valve.
12. Close the drain valve located to the left of the hydraulic motor.
13. Close the valve located to the left of the pressure pump.
14. Make sure the valve on the discharge side of the pressure pump leading to the pressure relief return to the tank is open.
15. All valves from the antifreeze reservoir must be closed.
16. Make sure the pulsating valve is closed.

17. Familiarize yourself with the hydraulic control valves. The valve on the front controls the pump. Pull towards yourself to turn on. Push away from you to turn off.
18. The valve at the back controls the drum. Pull towards you to spool in the hose, push away from you to wind the hose in.
19. Start the flusher pump and bleed any air from the system by opening the valve with the quick connect attached.
*** Caution: Do not have any body parts in the way of the outlet. Very high pressure can cause serious injury***
20. As soon as all the air is out of the system, it should operate between 2600 and 3000 psi. If the pressure does not build or drops while in use shut down the pump and check the suction screen.
21. Do NOT run the pump dry, this is extremely important... ALWAYS keep a close eye on the water level and refill the tank as required. If the pressure drops, shut down the engine and investigate.
22. The flusher is now ready to use. Be sure that the nozzle is always inside a drain pipe whenever the pump is running. Be extremely careful not to allow the nozzle to come out of the pipe before the pump is turned off.

WartHog Nozzle

Do NOT use this nozzle in pipes that are 8 inches or larger. The nozzle could turn around and come back at you, causing serious injury or death

1. This nozzle is not recommended for use in 3 inch pipes with elbows as the nozzle may pass but you may not be able to pull it back.
2. After every 40 hours of operation make sure to lubricate the nozzle. The viscosity fluid used lubricates the head and also slows it down. If the head of the nozzle begins spinning faster it is an indication that it needs to be lubricated.

To Drain the Flusher

1. Open the tank drain valve located underneath the tank at the back of the machine.
2. After the tank has drained, open both valves on the oil cooler which is located on the right side of the machine, one is located at the top front of the cooler (to allow air in when draining and air out when priming). The second valve is located at the bottom rear of the oil cooler. Both have yellow handles.
3. Open the valve that is located on the left side of the hydraulic motor.
4. Open the valve located to the left side of the pressure pump towards the rear of the machine.
5. Remove suction filter and store in the cab.
6. Attach a compressed air hose using the quick connect located to the left side of the hose reel towards the front of the machine. Open the valve to blow the water out of the hose.

Please use the following ***Safe Work Procedures*** as a guideline to building your own safe work procedures.