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Installation Instructions for Model 776 Foam Dispenser and Foam Chemical

Items included in packages:

1. Dispensing gun, hoses, Nozzles for dispenser
2. Regulator with nitrogen hoses and quick disconnect
3. Auto Calibrator with “inbound feed hoses” and “outbound” (approx. 4ft length) chemical hoses. There will also be a quick disconnect fitting attached to the Auto calibrator that will be installed on the regulator.
4. Accessory items: safety glasses, Tyvek suits, gloves, etc.
5. Lubricating device/Can to dispense lubricant

Power Requirements

1. Nitrogen Bottle with at least 200 cubic feet of yield. This can be procured from a welding supply shop
2. 110-volt outlet and cord for the heated hoses and possibly for the “heater blankets” as require by time of year (whether it is cold or hot). In warmer climates and time of season we may NOT provide heated hoses.

Installation

CALL MASTER PACK PRIOR TO INSTALLING THE SYSTEM SO WE CAN REVIEW VIA THE PHONE THE PROPER WAY TO APPLY THE FOAM TO THE SUBSTRATE.

1. Unpack all items that have been shipped and ensure that the inventory noted above is correct.
2. Uncoil the 100 feet of heated hose. (the dispensing gun) will be attached to heated hose.

3. Install the Auto Calibrator on the side of the tanks. The Auto Calibrator will have two “hooks” attached.
4. Connect the Regulator to the Nitrogen Bottle. Connect “quick disconnect” metal fitting from Auto Calibrator to the regulator.

Image 1:



“Quick Disconnect Fitting” is located on a small air hose connected from Auto Calibrator

5. Connect the Nitrogen hoses from regulator to the top of the Pressure chemical vessels. There are quick disconnect fittings on The A and B nitro hose
6. Connect the chemical “supply hoses” about 4 feet long from the Auto Calibrator to the vessels. The Supply Hose A (red) is attached to the A fitting on the Auto Calibrator. Feed hose B is done the same method. The inbound valve is located on horizontal valve chemical.



7. Connect the chemical outbound hoses to the Auto Calibrator. A is connected to the A side and the B side to the same. Note that the A is usually colored RED and B is usually colored BLUE. The outbound chemical valve from auto calibrator is located on vertical sides of pump.



INSURE THAT ALL FITTINGS ARE TIGHT.THERE WILL BE chemical LEAKAGE AS SOON AS YOU OPEN THE VALVES if all fittings are not properly tightened. VERY IMPORTANT!!!

NEXT: LUBRICATION of the Auto calibrator (see last page)

8. After all the hoses are connected, open the top valve on the Nitrogen tank. Keep (or ensure) all other valves are closed. Regulator will show about 2,000 lbs. of pressure one” dial” and the other Dial will be on Zero. (refer to Image 1)
9. Slowly turn the Nitrogen Regulator up to 150 lbs. of pressure.

YOU ARE NOW READY TO FILL HOSES WITH FOAM CHEMICAL

When opening valves insure that they are opened SIMULTANEOUSLY

10. Open the chemical “A” Valve attached to the “A” chemical tank simultaneously with the chemical “B” valve attached to the “B” tank
11. Slowly open valves (ON BOTH SIDES) attached to the Auto Calibrator SIMULTANEOUSLY. You will hear a “click” which means that the chemical has enter the Auto Calibrator

12. Open the valves on the Auto Calibrator for the A side + B side, slowly. Chemical will enter the A + B chemical hose simultaneously.
13. Proceed to the valves near the Gun dispenser and open those valves.



YOU ARE NOW READY TO DISPENSE FOAM FROM THE DISPENSING GUN

14. Without the nozzles attached to the gun, pull the trigger to allow flow of both streaming of foam. The trigger must be pulled from the very top of the dispenser as there is a safety feature on the lower part of the dispensing gun.

Basically, the entire trigger must be pulled.

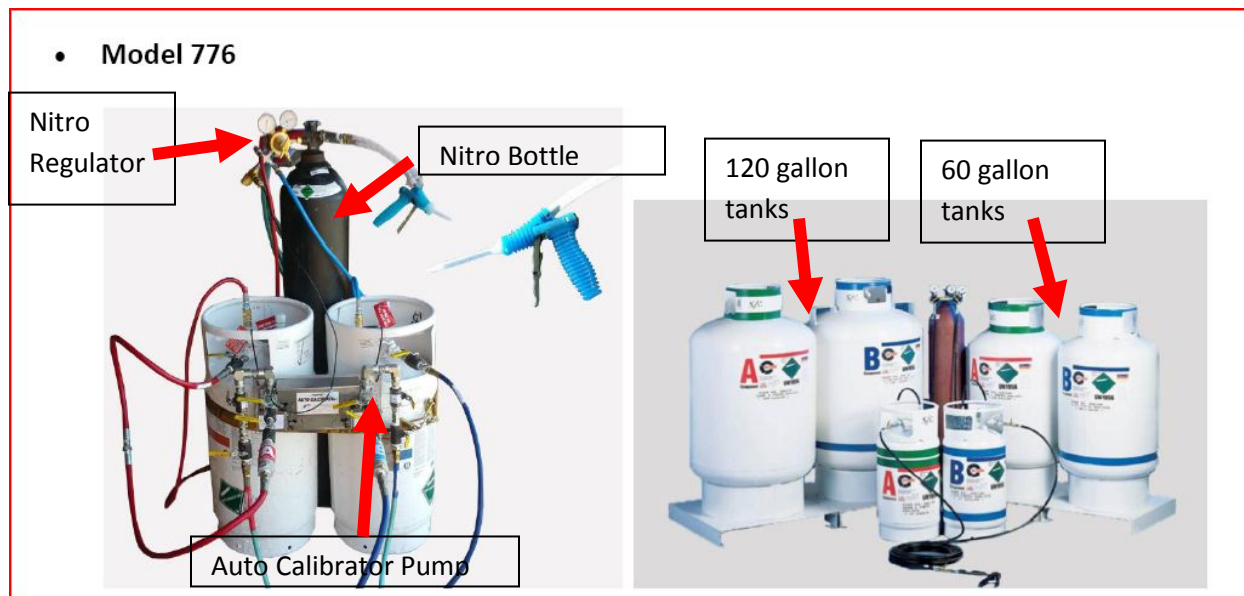
Apply petroleum jelly to the front of the gun where tip will be attached.

15. Aim the Dispenser into a 5-gallon pale with plastic bag and allow both sides of the gun ports to dispenser the foam chemical.
16. Both chemicals should be dispensing at about a 1:1 ratio.

You will hear the pump “clicking”.

17. Clean the front of the dispenser with solvent and APPLY THE PETRO JELLY TO THE INSIDE OF THE GUN END.
18. Attach the Nozzle to the gun. Note on the nozzle is configured so it attaches to the dispenser properly. View the front of the gun as to how the nozzle will “line up” with dispenser.

19. Line some poly sheeting on the substrate and pull the trigger.
20. After foam has been dispensed through the nozzle, one has 30 seconds of non use before the foam will react within the nozzle and thus making it inoperable and necessitating a change to a new nozzle. When applying the foam, keep the dispenser spraying so the nozzle does not fill up with foam. Call Master Pack for further clarification if necessary.



SHUT DOWN PROCEDURE FOR GUN

1. Remove nozzle from gun
2. Apply petroleum jelly to inside of gun ports
3. Reattach old nozzle to seal front of gun
4. SHUT OFF ALL VALVES ON SYSTEM & CLOSE NOTROGEN TANK

RETURN INSTRUCTIONS – IMPORTANT!!

1. Please retain ALL the packaging, caps & plugs
2. Plug the auto calibrator as it was delivered to you
3. Plug the hoses
4. Plug the pumps so they do not leak through the packaging
5. Before removing parts of system, please flush auto calibrator thoroughly!
6. ***** Very Important to flush system!

LUBRICATION OF THE AUTO CALIBRATOR – IMPORTANT!!

1. Open can entitled “lubricant” and pour into the hand-held dispenser can.
2. Remove the plugs on the A and B sides of the auto calibrator
 - a. This is accomplished by “pressing down” on the rubber “gramet” while pulling on the plugs
3. After the plugs are removed, dispense lubricant in “top” opening of A side (see image 3)



4. Proceed to dispense the lubricant on the B side (see image 4)



5. As you dispense the material into the top opening you will then notice the product pouring from bottom opening
6. This lubricant should be applied in the start and shut down procedures at every day when in use
7. Failure to lubricate the auto calibrator will result in the pump “seizing up”