

How to build an Internal Mix Combo Gun (Plan #2)

The nozzles can be found at www.makesnow.net

Assemble these items according to the diagrams on the next page. For best results mount this snowgun at least 5' high. Make sure to use Teflon tape on all threads. When you are done assembling the snowgun attach the high pressure hose to the unused part of the cross. Attach the end with a plastic connector to your pressure washer.

To start up your combo gun follow these steps, complete each step before you move on to the next step:

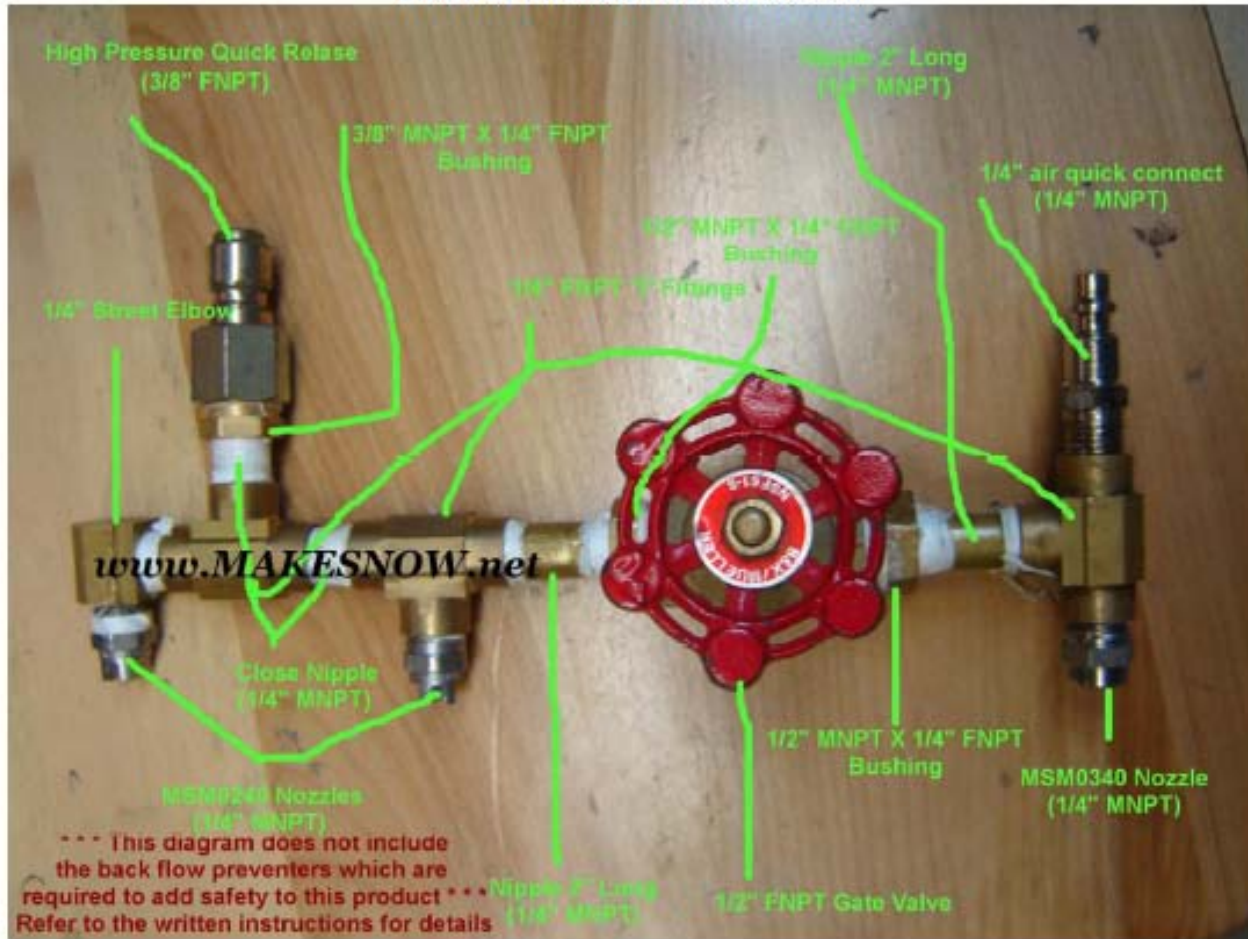
1. Check the wet bulb temperature
2. Lay out your hoses where they will be during the run
3. Connect the water hose to the faucet.
4. Turn on the air compressor
5. Attach the end of the water hose to the snowgun
6. Attach the end of the air hose to the snowgun
7. Make sure the valves at the snowgun are all closed.
8. Connect the air hose to the air compressor
9. Turn on the water at the faucet
10. Turn on air at the gun (open valve completely)
11. Turn on the pressure washer.
12. Slowly turn the gate valve to let water come out the nucleation nozzle
13. When the water coming out the nozzle looks like fog it is good.
14. The nucleation nozzle should make snow on your glove about 18" (45cm) from the nozzle, if snow does not form, instead it's just water turn down the water at the gate valve.

To shut down your combo gun follow these steps.

1. Close all valves at the gun.
2. Turn off pressure washer
3. Turn off and disconnect the water hose at the faucet
4. Open both valves at the gun (to allow the air to blow out the water hose)
5. Turn off air compressor
6. Disconnect gun from hoses
7. Disconnect air hose from compressor
8. Store hoses, pressure washer, and gun in an area which will not allow them to freeze

Dealing with high pressure water and air is dangerous, never point water towards people or pets, always use fittings rated for the pressures used. Wear eye and hearing protection at all times. Makesnow.net is not responsible for any damages or injury.

Finished Internal Mix Combo Gun



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