

## Parts List

Quantity	Item
1	Plan 1 Nozzle(available at <a href="http://www.MakeSnow.Net">www.MakeSnow.Net</a> ) (or a pipe cap with a hole in it)
2	¼" NPT Female T- fitting
1	¼"NPT male thread Compressed Air Quick Connect
1	1/2" NPT Female gate valve
1	¼" NPT Female ball valve
2	¼" close nipple fittings (use 3 if you have a pipe cap instead of a nozzle)
1	½"Male NPT to ¼" Female NPT Bushings
1	½" Male NPT to Female garden hose thread fitting
1	Roll of Teflon Tape
	Stand – ensure that the snow gun is at least 2 feet

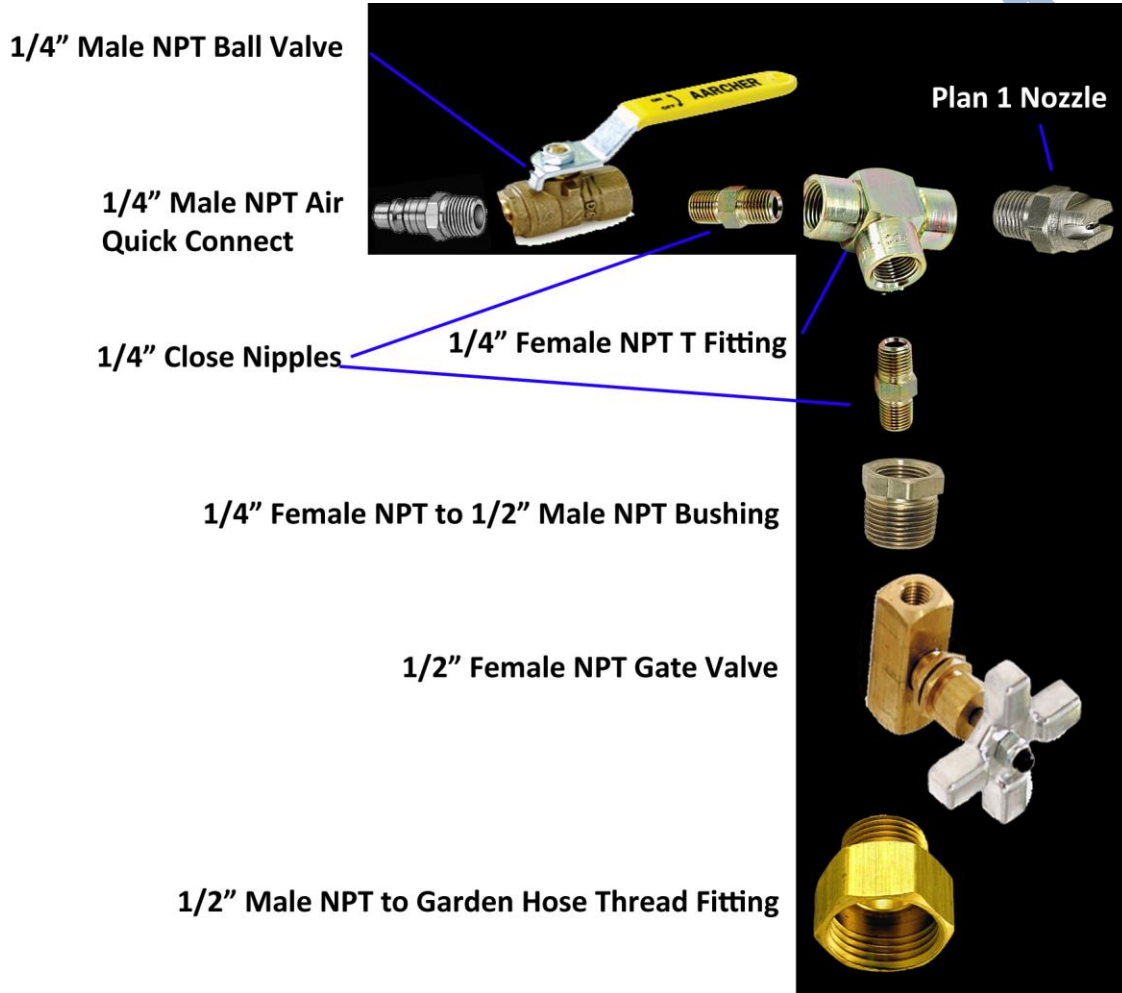
## Assembly

Connect the parts together as follows. Always put at least three layers of Teflon tape on the male threads before attaching the fittings together, including the threads on the nozzles. Refer to the Diagram on the last page for details.

- 1) Attach the Plan 1 Nozzle to the end of the T Fitting (if it was positioned to look like a 'T' the nozzle would be on the top part) - If you are using a pipe cap, drill a small hole in the pipe cap (around 3/32" in diameter) then attach it to a close nipple. Then take this piece and attach it in lieu of the nozzle. We recommend the nozzle because the droplet size will be more uniform and you will have less spitting.
- 2) Attach the 1/4" close nipples to the other two sides of the T Fitting
- 3) Across from the nozzle attach the Ball Valve
- 4) Attach the Air Quick Connect fitting to the ball valve.
- 5) To the close nipple on the bottom of the T Fitting attach the ¼" Female NPT to ½" Male NPT Bushing.
- 6) Attach the ½" gate valve to the Bushing
- 7) Attach the ½" Male NPT to Female Garden Hose Thread fitting.

**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.**

**Diagram**



**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.**

## Start Up Procedure

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 so it is less than -1C or 30F (or the dry bulb temperature is below -2C or 28F)
- 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) Slowly turn the gate valve to let water come out the nozzle. When the water coming out the nozzle looks like fog it is good.
- 12) 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.

## Shut Down Procedure

To shut down your combo gun follow these steps.

- 1) Close all valves at the gun.
- 2) Turn off and disconnect the water hose at the faucet
- 3) Open both valves at the gun (to allow the air to blow out the water hose)
- 4) Turn off air compressor
- 5) Disconnect gun from hoses
- 6) Disconnect air hose from compressor
- 7) 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.**