

# SnowMaker 4 - H.P.

Disclaimer: Working with compressors and high pressure water pumps can be extremely dangerous. All fittings used should be rated for high pressure (2000 psi or more). This document is for reference purposes only and is not guaranteed to work. Proceed at your own risk. One should have a general knowledge of snow making and snow makers before attempting to make this device. The snowmaking forum at yahoo.com (<http://groups.yahoo.com/group/snowmaking>) is a good source of info.

Item #	Description	Dultmeier Part #	Price	Quantity	Total
1	1/4" SS High-Press Pipe Nipple - 2" long	CT80142	\$1.92	2	\$3.84
2	1/4" SS High-Press Pipe Nipple - 4" long	CT80144	\$3.26	3	\$9.78
3	1/4" SS High-Press Pipe Nipple - 6" long	CT80146	\$4.94	1	\$4.94
4	1/4" SS High-Press Cross (FxFxFxF)	CTCR3000-1/4	\$11.60	1	\$11.60
5	1/4" SS High-Press Tee (FxFxF)	CTTT3000-1/4	\$8.09	2	\$16.18
6	1/4" SS High-Press Coupler (FxF)	CTCC3000-1/4	\$2.48	2	\$4.96
7	1/4" SS High-Press Hex Nipple (MxM)	CT54S40	\$3.35	1	\$3.35
8	1/4" Brass Hi-Press Needle Valve (FxF)	GE3000-4	\$7.75	1	\$7.75
9	40 deg, 2gph WashJet Nozzle	SS1/4MEG4002	\$3.19	2	\$6.38
10	40 deg, 3gph WashJet Nozzle	SS1/4MEG4003	\$3.19	1	\$3.19
11	2000 PSI Liquid Filled Pressure Gauge	AH2750-3	\$7.60	1	\$7.60
12	1/4" High-Press Check Valve (FxF)	SM470-4F4F	\$8.15	1	\$8.15
13	1/4" Male MPT Air Coupling Nipple	LI13329	\$2.39	1	\$2.39
14	1/4" FPT High Pressure Coupler	AABST2	\$1.63	1	\$1.63
TOTAL					\$91.74

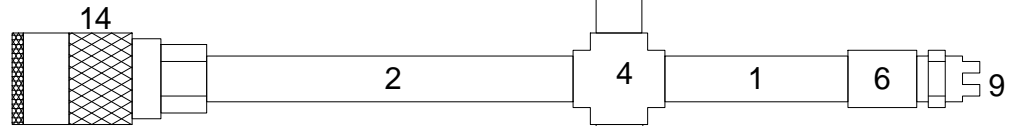
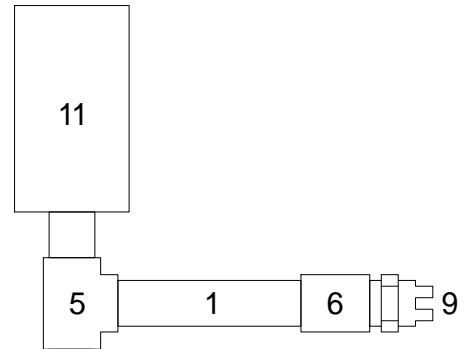
Parts from: [www.dultmeier.com](http://www.dultmeier.com)

Parts list is for reference only. You may be able to find better prices on similar items from somewhere else.

Use Teflon tape on all pipe joints

Operation: (web bulb temp should be 25 degF or less)

1. Provide a mounting device to get the SnowMaker4 5' to 10' off the ground
2. Connect the pressure washer line.
3. Make sure the needle valve (Item 8) is shut.
4. Adjust air pressure to 100 psi and connect to gun. Make sure air is coming out of bottom nozzle. If not find cause of problem before proceeding.
5. Turn on water at faucet and wait for water to start spraying from nozzles.
6. Turn on pressure washer
7. Open needle valve (Item 8) slightly until it produces a nice fine dry mist.
8. Watch it make snow!



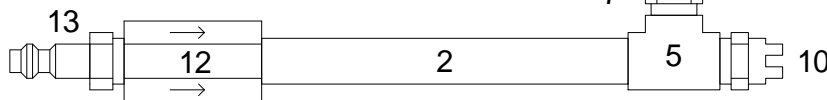
High Pressure Water  
(Electric Pressure Washer)  
1.5 to 1.7 gpm at 1500 - 1600 psi

You may substitute this connector with another that fits your pressure washer hose.

## Tips:

1. Don't fight the wind. Point the SnowMaker in the direction the wind is blowing. If its blowing too hard, forget it.
2. Insulate your air line to prevent air line freeze ups. Especially metal valves and couplers.
3. Play with the needle valve (Item 8) to get your desired snow consistency.

Compressed Air  
3 - 4 CFM at 100psi  
(NOT oilless)



Make sure check valve installed in proper direction.

Drawings and Design by:  
Ed Kline 01/22/2003