

Snowmaking Air & Water Piping Estimator

Note: For Budget Estimating Purposes Only

MATERIAL COSTS

Estimated Pipe Cost (\$/LB) \$ 0.85 /LB (Delivered to ski area)
 New prime ERW steel line pipe, API-5L, Grade X-42 or better

Nominal Size (Inches)	WATER PIPING			AIR PIPING		
	Wall (Inches)	Unit Weight (LB/ft)	Water (\$/FT)	Wall (Inches)	Unit Weight (LB/ft)	Air (\$/FT)
2"	0.218	5.02	\$ 4.30	0.218	5.02	\$ 4.30
3"	0.216	7.58	\$ 6.50	0.188	6.65	\$ 5.70
4"	0.219	10.01	\$ 8.60	0.188	8.66	\$ 7.40
6"	0.219	14.98	\$ 12.80	0.188	12.92	\$ 11.00
8"	0.219	19.66	\$ 16.80	0.188	16.94	\$ 14.40
10"	0.250	28.04	\$ 23.90	0.219	24.63	\$ 21.00
12"	0.250	33.38	\$ 28.40	0.219	29.31	\$ 25.00
14"	0.312	45.61	\$ 38.80	0.250	36.71	\$ 31.30
16"	0.312	52.27	\$ 44.50	0.250	42.05	\$ 35.80
18"	0.375	70.59	\$ 60.10	0.312	58.94	\$ 50.10

INSTALLATION COSTS

Includes unload pipe, move, welding, set in place, tie-in

	Install Cost \$/FT - Each
2"	\$ 5.50
3"	\$ 6.00
4"	\$ 7.50
6"	\$ 9.00
8"	\$ 11.00
10"	\$ 13.00
12"	\$ 15.00
14"	\$ 17.00
16"	\$ 20.00
18"	\$ 25.00
Trench/Backfill;	\$ 7.00 / FT Shallow Bury
	\$ 12.00 / FT Deep Bury

Note: Blasting is NOT included.

Fittings	Add +/- 3% of pipeline costs	
Manual Water Only Hydrant installed	\$ 500.00	per set (mat'l and labor)
Manual Air/Water Hydrant set installed	\$ 650.00	per set (mat'l and labor)
HKD type mounting post installed	\$ 400.00	each (mat'l and labor)
Fan Gun 60A pedestal outlet installed	\$ 1,200.00	each (mat'l and labor)
Fan Gun tower bases installed	\$ 1,500.00	each (mat'l and labor)
Fan Gun 350 MCM AL electrical wire installed	\$ 13.00	per ft (mat'l and labor)

Quick Reference - Total Install Costs (pipe & wire only)

	Above Gnd	Shallow	Deep
(2) 4"	\$ 31.00	\$ 38.00	\$ 43.00
(2) 6"	\$ 41.80	\$ 48.80	\$ 53.80
(2) 8"	\$ 53.20	\$ 60.20	\$ 65.20
(2) 10"	\$ 70.90	\$ 77.90	\$ 82.90
(2) 12"	\$ 83.40	\$ 90.40	\$ 95.40
(1) 4" + Wire	\$ 21.60	\$ 28.60	\$ 33.60
(1) 6" + Wire	\$ 25.80	\$ 32.80	\$ 37.80
(1) 8" + Wire	\$ 29.80	\$ 36.80	\$ 41.80
(1) 10" + Wire	\$ 36.90	\$ 43.90	\$ 48.90
(1) 12" + Wire	\$ 41.40	\$ 48.40	\$ 53.40