

23 43 Electronic Air Cleaners

23 43 13 – Washable Electronic Air Cleaners

		Daily	Labor-			2022 Bare Costs			Total
23 43 13.10 Electronic Air Cleaners		Crew	Output	Hours	Unit	Material	Labor	Equipment	Incl O&P
0010	ELECTRONIC AIR CLEANERS								
2000	Electronic air cleaner, duct mounted								
2150	1,000 CFM	1 Shee	4	2	Ea.	430	135		680
2200	1,200 CFM		3.80	2.105		555	142		825
2250	1,400 CFM		3.60	2.222		565	150		850

23 51 Breechings, Chimneys, and Stacks

23 51 13 – Draft Control Devices

23 51 13.13 Draft-Induction Fans

0010	DRAFT-INDUCTION FANS								
1000	Breeching installation								
1800	Hot gas, 600°F, variable pitch pulley and motor								
1860	8" diam. inlet, 1/4 HP, 1 phase, 1,120 CFM	Q-9	4	4	Ea.	3,200	243		3,900
1900	12" diam. inlet, 3/4 HP, 3 phase, 2,960 CFM		3	5.333		4,375	325		5,325
1980	24" diam. inlet, 7-1/2 HP, 3 phase, 17,760 CFM		.80	20		12,800	1,225		15,800
2300	For multi-blade damper at fan inlet, add					20%			

23 51 23 – Gas Vents

23 51 23.10 Gas Chimney Vents

0010	GAS CHIMNEY VENTS, Prefab metal, UL listed								
0020	Gas, double wall, galvanized steel								
0080	3" diameter	Q-9	72	.222	V.L.F.	8.45	13.50		30
0100	4" diameter		68	.235		10.45	14.30		33
0120	5" diameter		64	.250		11.85	15.20		36
0140	6" diameter		60	.267		14.10	16.20		40
0160	7" diameter		56	.286		27	17.35		55.50
0180	8" diameter	Q-9	52	.308	V.L.F.	29	18.70		59.50
0200	10" diameter		48	.333		55	20.50		91
0220	12" diameter		44	.364		65.50	22		106
0260	16" diameter		40	.400		157	24.50		210
0300	20" diameter	Q-10	36	.667		228	42		315

23 51 26 – All-Fuel Vent Chimneys

23 51 26.30 All-Fuel Vent Chimneys, Double Wall, St. Stl.

0010	ALL-FUEL VENT CHIMNEYS, DOUBLE WALL, STAINLESS STEEL								
7780	All fuel, pressure tight, double wall, 4" insulation, UL listed, 1,400°F.								
7790	304 stainless steel liner, aluminized steel outer jacket								
7800	6" diameter	Q-9	60	.267	V.L.F.	58	16.20		88.50
7804	8" diameter		52	.308		84.50	18.70		121
7806	10" diameter		48	.333		96.50	20.50		137
7808	12" diameter		44	.364		112	22		158
7810	14" diameter		42	.381		126	23		174
7880	For 316 stainless steel liner, add				L.F.	30%			