

Ventilation Systems



• Weekly and Monthly Rates

- Portable skid mount
- 17,000 CFM
- 30 Horsepower 480 V 3-phase motor
- Integrated VFD allows for variable speed control
- Simple to use push button controls
- Portable trailer mount
- 12,000 CFM
- 25 Horsepower Isuzu Diesel Engine
- 30-gallon fuel tank
- 25-foot ventilation hose

Call Now (801) 255-5959



Ventilation Table - CFM Requirement for 6 air changes/hour

Distance (ft)	Pipe Diameter (in)													
	36	48	60	72	84	96	108	120	132	144	12000 CFM Diesel Blower	17000 CFM Jet Fan Blower		
500	353	628	982	1414	1924	2513	3181	3927	4752	5655				
1000	707	1257	1963	2827	3848	5027	6362	7854	9503	11310				
1500	1060	1885	2945	4241	5773	7540	9543	11781	14255	16965				
2000	1414	2513	3927	5655	7697	10053	12723	15708	19007	22619				
2500	1767	3142	4909	7069	9621	12566	15904	19635	23758	28274				
3000	2121	3770	5890	8482	11545	15080	19085	23562	28510	33929				
3500	2474	4398	6872	9896	13470	17593	22266	27489	33262	39584				
4000	2827	5027	7854	11310	15394	20106	25447	31416	38013	45239				
4500	3181	5655	8836	12723	17318	22619	28628	35343	42765	50894				
5000	3534	6283	9817	14137	19242	25133	31809	39270	47517	56549				
5500	3888	6912	10799	15551	21166	27646	34989	43197	52268	62204				
6000	4241	7540	11781	16965	23091	30159	38170	47124	57020	67858				
6500	4595	8168	12763	18378	25015	32673	41351	51051	61772	73513				
7000	4948	8796	13744	19792	26939	35186	44532	54978	66523	79168				
7500	5301	9425	14726	21206	28863	37699	47713	58905	71275	84823				
8000	5655	10053	15708	22619	30788	40212	50894	62832	76027	90478				
8500	6008	10681	16690	24033	32712	42726	54075	66759	80778	96133				
9000	6362	11310	17671	25447	34636	45239	57256	70686	85530	101788				
9500	6715	11938	18653	26861	36560	47752	60436	74613	90282	107442				
10000	7069	12566	19635	28274	38485	50265	63617	78540	95033	113097				
10500	7422	13195	20617	29688	40409	52779	66798	82467	99785	118752				
11000	7775	13823	21598	31102	42333	55292	69979	86394	104536	124407				
11500	8129	14451	22580	32515	44257	57805	73160	90321	109288	130062				
12000	8482	15080	23562	33929	46181	60319	76341	94248	114040	135717				
12500	8836	15708	24544	35343	48106	62832	79522	98175	118791	141372				
13000	9189	16336	25525	36757	50030	65345	82702	102102	123543	147027				
13500	9543	16965	26507	38170	51954	67858	85883	106029	128295	152681				
14000	9896	17593	27489	39584	53878	70372	89064	109956	133046	158336				
14500	10249	18221	28471	40998	55803	72885	92245	113883	137798	163991				
15000	10603	18850	29452	42411	57727	75398	95426	117810	142550	169646				

NOTE: COMPLIES WITH THE BUREAU OF RECLAMATION CRITERIA AND GENERALLY ACCEPTED INDUSTRIAL PRACTICE. AWS D1.1 SEC 5.12 DOES NOT ALLOW WELDING WHEN WIND VELOCITY EXCEEDS 5 MPH. CHART DOES NOT CONSIDER LOSS FROM LEAKS, BENDS, VALVES, PIPE/TUNNEL MATERIAL, FLOW RESTRICTIONS, OR CHANGE OF DIRECTION. THIS CHART IS FOR INFORMATION PURPOSES ONLY. NATIONAL WELDING MAKES NO GUARANTEE AND ASSUMES NO LIABILITY AS TO THE ADEQUACY OF THESE RATES. JOB SPECIFIC CONDITIONS AND GOVERNMENTAL REGULATIONS VARY.