

TABLE 6. RETURN PIPE CAPACITIES FOR LOW PRESSURE SYSTEMS
Capacity Expressed in Square Feet of Equivalent Direct Radiation

(Reference to this table will be by column letter M through EE)
This table is based on pipe size data developed through the research investigations of the AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS.

Pipe Size Inches	CAPACITY OF RETURN MAINS AND RISERS											
	Mains											
	1/32 Psi or 1/4 Oz Drop per 100 Ft			1/16 Psi or 1/2 Oz Drop per 100 Ft			1/8 Psi or 2 Oz Drop per 100 Ft			1/4 Psi or 4 Oz Drop per 100 Ft		
	Wet	Dry	Vac.	Wet	Dry	Vac.	Wet	Dry	Vac.	Wet	Dry	Vac.
M	N	O	P	Q	R	S	T	U	V	W	X	Y
3/4	500	248	.....	580	285	326	.....	320	700	400	.....	568
1	850	520	.....	990	595	976	1,200	670	1,200	1,000	412	994
1 1/4	1,350	822	.....	1,570	943	1,550	1,900	1,060	1,900	1,700	868	1,700
1 1/2	2,800	1,880	.....	3,240	2,140	3,260	4,000	2,300	4,000	3,600	2,960	3,600
2	4,700	3,040	.....	5,300	3,470	5,450	6,700	3,800	6,700	6,000	4,900	6,000
2 1/2	7,500	5,840	.....	8,500	6,250	8,710	10,700	7,000	10,700	9,400	7,510	9,400
3	11,000	7,880	.....	13,200	8,800	13,000	16,000	10,000	16,000	15,000	12,000	15,000
3 1/2	15,500	11,700	.....	18,300	13,400	18,000	22,000	15,000	22,000	21,000	17,000	21,000
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Risers

Pipe Size Inches	1/32 Psi or 1/4 Oz Drop per 100 Ft	1/16 Psi or 1/2 Oz Drop per 100 Ft	1/8 Psi or 2 Oz Drop per 100 Ft	1/4 Psi or 4 Oz Drop per 100 Ft	1/2 Psi or 8 Oz Drop per 100 Ft
3/4	190	.....	.....	.....	.....
1	450	570	.....	.....	.....
1 1/4	900	1,550	.....	.....	.....
1 1/2	1,500	3,260	.....	.....	.....
2	3,000	5,450	.....	.....	.....
2 1/2	.....	8,710	.....	.....	.....
3	.....	13,000	.....	.....	.....
3 1/2	.....	17,900	.....	.....	.....
4	.....	31,500	.....	.....	.....
5	.....	50,500	.....	.....	.....

TABLE 7. RETURN PIPE CAPACITIES FOR LOW PRESSURE SYSTEMS
Capacity Expressed in Pounds per Hour

(Reference to this table will be by column letter M through EE)
This table is based on pipe size data developed through the research investigations of the AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS.

Pipe Size Inches	CAPACITY OF RETURN MAINS AND RISERS											
	Mains											
	1/32 Psi or 1/4 Oz Drop per 100 Ft			1/16 Psi or 1/2 Oz Drop per 100 Ft			1/8 Psi or 2 Oz Drop per 100 Ft			1/4 Psi or 4 Oz Drop per 100 Ft		
	Wet	Dry	Vac.	Wet	Dry	Vac.	Wet	Dry	Vac.	Wet	Dry	Vac.
M	N	O	P	Q	R	S	T	U	V	W	X	Y
3/4	125	62	.....	145	71	143	.....	80	175	100	.....	142
1	213	130	.....	248	149	244	300	168	300	250	103	249
1 1/4	338	206	.....	393	236	388	475	265	475	425	217	426
1 1/2	700	470	.....	810	535	815	1,000	575	1,000	900	340	674
2	1,180	760	.....	1,580	868	1,360	1,680	950	1,680	1,400	740	1,420
2 1/2	1,880	1,460	.....	2,130	1,560	2,180	2,680	1,750	2,680	2,350	1,230	2,380
3	2,750	1,970	.....	3,300	2,200	3,250	4,000	2,500	4,000	3,750	2,250	3,800
3 1/2	3,880	2,930	.....	4,580	3,350	4,500	5,500	3,750	5,500	5,000	3,230	5,680
4	.....	.....	.....	.....	.....	7,880	9,800	.....	9,800	7,750	4,830	11,000
5	.....	.....	.....	.....	.....	12,600	.....	.....	15,500	.....	.....	22,000
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Risers

Pipe Size Inches	1/32 Psi or 1/4 Oz Drop per 100 Ft	1/16 Psi or 1/2 Oz Drop per 100 Ft	1/8 Psi or 2 Oz Drop per 100 Ft	1/4 Psi or 4 Oz Drop per 100 Ft	1/2 Psi or 8 Oz Drop per 100 Ft
3/4	48	.....	.....	.....	.....
1	113	143	.....	.....	.....
1 1/4	248	388	.....	.....	.....
1 1/2	375	815	.....	.....	.....
2	750	1,360	.....	.....	.....
2 1/2	.....	2,180	.....	.....	.....
3	.....	3,250	.....	.....	.....
3 1/2	.....	4,480	.....	.....	.....
4	.....	7,880	.....	.....	.....
5	.....	12,600	.....	.....	.....