

Engineering Data

VENTILATOR LENGTH		Exhaust Flow Rate (EFR) 300 CFM/ft. (465 l/s/m)					Exhaust Flow Rate (EFR) 350 CFM/ft. (544 l/s/m)				
		Exhaust		Supply Based on 80% of Exhaust			Exhaust		Supply Based on 80% of Exhaust		
		Volume	Duct Size	Volume	No. Ducts	Duct Size	Volume	Duct Size	Volume	No. Ducts	Duct Size
ft.	mm	CFM	L (in.) W=10	CFM		L (in.) W=8	CFM	LxW (in.)	CFM		L (in.) W=8
3.0	914	900	8	720	1	12	1050	10x9	840	1	14.5
3.5	1067	1050	9	840	1	14.5	1225	10x11	980	1	17
4.0	1219	1200	11	960	1	16	1400	10x12.5	1120	1	18.5
4.5	1372	1350	12.5	1080	1	18.5	1575	10x14.5	1260	1	21
5.0	1524	1500	13.5	1200	1	20.5	1750	10x16	1400	1	24
5.5	1676	1650	14.5	1320	1	22	1925	10x17	1540	1	26.5
6.0	1829	1800	16	1440	1	24.5	2100	10x19	1680	1	29
6.5	1981	1950	18	1560	1	26.5	2275	10x20	1820	1	30.5
7.0	2131	2100	19	1680	1	29	2450	10x22.5	1960	1	33
7.5	2286	2250	20	1800	1	30.5	2625	10x23.5	2100	1	35.5
8.0	2438	2400	21.5	1920	1	32	2800	10x25	2240	2	18.5
8.5	2591	2550	22.5	2040	1	35	2975	10x27	2380	2	20.5
9.0	2743	2700	25	2160	1	36.5	3150	10x28	2520	2	21
9.5	2896	2850	26	2280	2	19.5	3325	10x29	2660	2	23
10.0	3048	3000	27	2400	2	20.5	3500	10x31.5	2800	2	24
10.5	3200	3150	28	2520	2	21	3675	10x32.5	2940	2	24.5
11.0	3353	3300	29	2640	2	22	3850	10x35	3080	2	26.5
11.5	3505	3450	31.5	2760	2	24	4025	10x36	3220	2	27
12.0	3658	3600	32.5	2880	2	24.5	4200	10x38	3360	2	29
12.5	3810	3750	34	3000	2	25.5	4375	10x39	3500	2	29.5
13.0	3962	3900	35	3120	2	26.5	4550	10x40.5	3640	2	30.5
13.5	4115	4050	36	3240	2	27	4725	14x30.5	3780	2	32
14.0	4207	4200	38	3360	2	29	4900	14x31.5	3920	2	33

* Refer to the Ventilator Engineering Manual for Exhaust Volumes and Flow rates not shown above.

Exhaust Flow Rate CFM/ft	Exhaust Static Pressure (in W.C.)
300	0.35
350	0.45
400	0.66
Supply Air Rate	Supply static Pressure ("W.C.)
All Flow Rates	0.20

Notes:

- Exhaust duct can be located anywhere along length of the filter hood.
- For lengths greater than 14' (4270 mm) join multiple sections together.

Spring Air Systems Model No. FN-B-I-MZ Hood Specification

The single row island filter hood shall be a Spring Air Systems model no. FN-B-I-MZ, island box canopy, high efficiency, filter hood, with MZ make up air plenum, stainless steel adjustable perforated front, down and horizontal discharge, UL/ULC listed, and built in accordance with the NFPA-96.

The unit casing shall be a minimum 18 GA. Stainless steel with all exposed sides no. 4 finish. The filter hood shall include UL/ULC listed baffle grease filters mounted in an integral stainless steel rack inclined at 45 degrees. The filter rack shall include a full length stainless steel grease gutter and grease cup. The make-up air plenum shall be ceiling mounted with adjustable fresh air flow down or horizontal from the plenum. No special tools required are required for adjustment. The hood shall have _____ fluorescent/incandescent light evenly spaced along the length of the hood.

Engineering Data

Item Number _____
 Model Number FN-B-I-MZ _____
 Number of Sections _____
 Hood Length _____
 Hood Width _____
 Lights _____
 Exhaust Volume _____
 No. Of Duct Collars _____
 Size of Duct Collars _____
 Static Pressure _____
 Supply Volume _____
 No. Of Duct Collars _____
 Size Of Duct Collar _____
 Static Pressure _____

FNBIMZ