

Range Configurations

rev 2023-03-29

QuickGuide

Retrotec Blower Door Fan systems create airflow over a very wide range. The Open Range yields the most flow, but as fan speed is decreased the fan pressure drops too low to be accurately measured. Range Rings and Plates can then be installed to restrict the fan inlet, forcing the fan speed to be increased to maintain the required flow and increase the fan pressure.

Use the Range Configurations below to optimize fan pressure readings.

- Cannot reach the desired building pressure? Use a more open range.
- If your gauge says "TOO LOW", change to more restrictive range.



Ensure 4 pins are aligned & inserted.
8 extra replacement pins included.

Large flow ranges for large and leaky buildings

There are six high flow Range options:

Open

all rings & plates removed



Range A

install largest ring



Range B

add B Ring atop Ring A



Range B4

4 holes open



Range B2

2 holes open



Range B1

1 hole open



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Low flow Ranges for very tight enclosures

Further reduce or restrict the flow:

Range B74



Range B47



Range B29



		Open	A	B8	B4	B2	B1	RP74	RP47	RP29
5000	Max [CFM]	5694	4286	2497	1144	509	270	135	61	23
	Min [CFM]	2111	1291	830	393	188	111	37	21	9
	Max [m ³ /h]	9647	7282	4242	1944	865	459	229	104	39
	Min [m ³ /h]	3587	2193	1410	668	319	189	63	36	15
	Max [l/s]	2688	2023	1179	540	240	127	64	29	11
	Min [l/s]	996	609	392	185	89	52	17	10	4

		Open	A	B8	B4	B2	B1	RP74	RP47	RP29
6000	Max [CFM]	7744	4760	2917	1288	541	294	161	72	26
	Min [CFM]	2722	1444	830	348	142	95	37	21	9
	Max [m ³ /h]	13157	8087	4956	2188	919	500	274	122	44
	Min [m ³ /h]	3587	2453	1410	591	241	161	63	36	15
	Max [l/s]	3654	2246	1377	608	255	139	76	34	12
	Min [l/s]	996	681	392	164	67	45	17	10	4

Performance will vary based on altitude, temperature, run time, power cable length, local voltage variations, tip clearance, and fan calibration.

For the latest documentation, visit retrotec.com