# **Range Configurations**

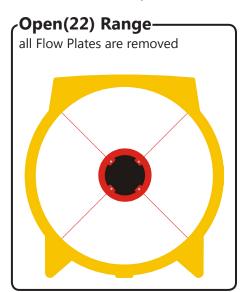
Retrotec Door Fans measure airflow over a very wide range. The Open Flow Range yields the most flow, but as fan speed is decreased the fan pressure drops too low to be accurately measured. Range Rings and Plates can then be installed to restrict the fan inlet, forcing the fan speed to be increased to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

Use the Flow Range configurations shown below to optimize the fan pressure readings.

- If you cannot achieve the desired building pressure, use a more open range.
- If your gauge says "TOO LOW", change to more restrictive range.

#### Large flow ranges for large and leaky buildings

Retrotec model 1000, 2000 and 3000 fans have three high flow range options:

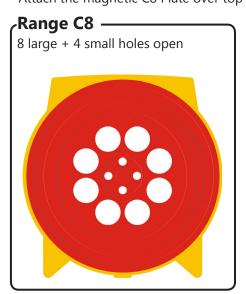


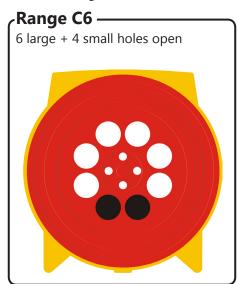


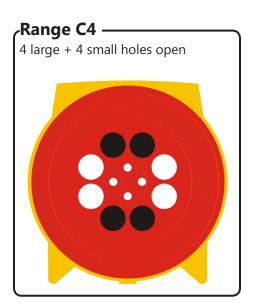


## Mid flow Ranges for average to tight buildings and enclosures

Attach the magnetic C8 Plate over top of the A&B Rings.









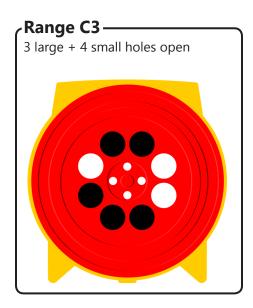
www.retrotec.com

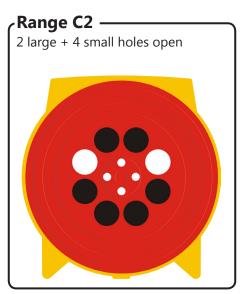
Support:(604)732-0142

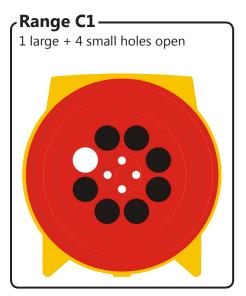
Sales: (855)738-7683

Made in Everson, WA USA

### **QuickGuide Range Configurations**

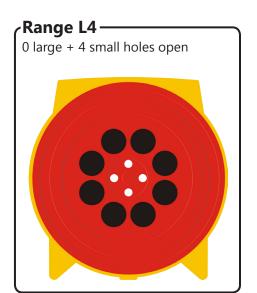


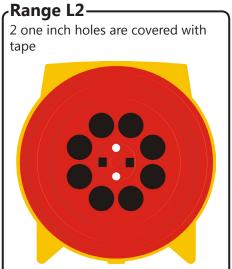


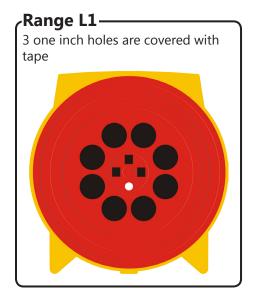


#### **Low flow Ranges for very tight enclosures**

L ranges always have Ring A + B + C8 plate installed with the 8 large holes covered. Since they are very rarely used, tape can be used to cover the small holes.







Fan Model	Voltage	Hz	Maximum Flow at 50 Pa on Range Configurations												
			L1	L2	L4	C1	C2	C3	C4	C6	C8	В	А	Open	Units
US1000, 2350*	120	60	20	40	70	270	450	600	800	1200	1600	2900	3700	5600	CFM
3300SR*	120/240	50/60	25	45	80	305	520	730	975	1500	2100	4000	5300	8300	CFM
EU1000	110	50	25	48	85	374	612	815	1053	1682	2209	4077	6116	8665	m³/hr
2250 Saving Tang are used in Detrotos Model OAK OFF systems															

2350 Series Fans are used in Retrotec Model Q46, Q56 systems.

3300SR Series Fans are used in Retrotec Model O4E, O5E, and OMG systems.

Minimum Flow at 50 Pa on Range Configurations															
All Systems			5	10	27	50	98	145	188	294	402	677	1966	3682	CFM

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



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