Envisivent Air Flow Data

ENVISIVENT™

Supply Vents

Product Identifier	Opening Width [in]	Opening Height [in]	Core Area [ft²]	Core Velocity [FPM]	300			400			500			600			700			800			1000			1200			1400		
				Core Velocity Pressure ["wc]	0.006			0.010			0.016			0.022			0.030			0.040			0.062			0.090			0.122		
REM Air Supply Round 6	6 Dia	6 Dia	0.1963	Flow [CFM]	39			52			65			78			91			104			131			157			183		
				Static Pressure ["wc]	0.011			0.020			0.031			0.045			0.061			0.079			0.124			0.179			0.243		
				Throw [ft] (150 100 50)	4	6	13	5	8	18	7	10	23	8	13	29	10	15	34	11	18	40	23	51		18	29	63	21	34	75

Notes:
1. The test procedures are based on ASHRAE 70.
2. Core Velocity – The average airstream velocity at the face of the grille, measured in feet per minute.
3. Core Velocity Pressure – The dynamic pressure of the airstream at the grille face. This pressure is relative to the core velocity and reported in inches of water ("wc)
4. Flow Rate – The volumetric rate of airflow through the grille, measured in cubic feet per minute (CFM)
5. Static Pressure – The air pressure difference across the grille at a given flow rate or velocity, measured in inches of water ("wc).
6. Throw – The distance away from a supply grille (i.e. perpendicular to the grille face) where the airstream velocity has slowed to a particular envelope velocity.
7. PER = PERMANENT/REM = REMOVABLE.

tested by: Airflow Sciences Corporation