

Recommended Duct Velocities (FPM) for Residential Systems

Air flow velocity in ducts and supply outlets/return grilles should be kept within certain limits to avoid noise and unacceptable friction loss, which also can affect occupant comfort. The chart below shows recommended duct velocities in feet per minute (FPM) for Residential Duct Systems.

Recommended Duct Velocities (FPM) for Residential Systems								
	Supply Side				Return Side			
	Recommended		Maximum		Recommended		Maximum	
	Rigid	Flex	Rigid	Flex	Rigid	Flex	Rigid	Flex
Trunk Ducts	700	600	900	600	600	600	700	600
Branch Ducts	600	600	900	600	400	600	600	600
Supply Outlet Face Velocity	Size for Throw		700		---		---	
Return Grille Face Velocity	---		---		500		600	