



$B-A = \Delta P$  across filter  
 $D-C = \Delta P$  across coil  
 $D-A =$  total external static

Element	Total pressure loss, in. H <sub>2</sub> O	
Return grille	0.04	
Return duct	0.08	
Filter	0.08	1" water = 250 Pa
Heat and cool coils	0.23	0.1" = 25 Pa
Supply ducts	0.14	0.2" = 50 Pa
Diffusers	0.03	0.5" = 125 Pa
Fan total pressure in. H <sub>2</sub> O	0.80	

Total external static > 0.7" or 175 Pa or pressure > 0.35" ( $\pm 80$  Pa) at either  $\textcircled{B}$  or  $\textcircled{D}$  often means duct, coil, or filter problem(s).  
 NOTES:

