

ROUND CEILING DIFFUSER

- Concentric rings for maximum performance
- Available in steel or stamped aluminum
- White baked on finish

APPLICATIONS

Series 800 and A 800 round ceiling diffusers provide excellent performance in variable air volume systems.



800



A 800

CEILING DIFFUSER DAMPER

- Controls volume without limiting performance
- Sturdy steel construction
- Removable operator
- Nylon screw mechanism
- Galvanized



800-D

INSTALLATION RING

- Galvanized steel construction
- To be used with series 800 diffuser for easy installation
- Provides for easy attachment of round duct work



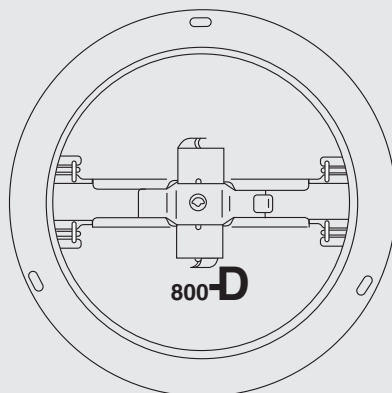
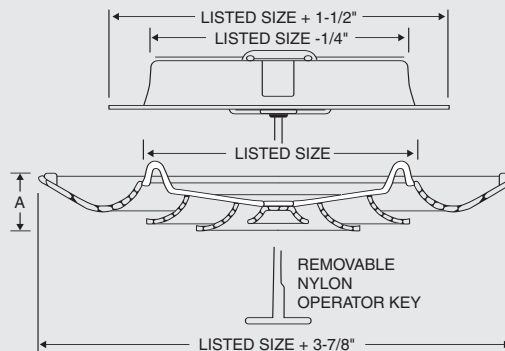
800-R

Dimensional Information

DESCRIPTION	MODEL
DIFFUSER ONLY	800*
BUTTERFLY DAMPER	800-D
INSTALLATION RING	800-R

*Available in aluminum – ADD prefix "A".

LISTED SIZE	A
6	1-1/16"
8	1-1/4"
10	1-1/2"
12	1-1/2"
14	1-3/4"



PERFORMANCE SPECIFICATIONS

Series 800 & A 800 Ceiling Diffuser



Size	Area (Ak)	(SQ FT)	CFM										1000	1200
			50	75	100	150	200	250	300	400	500	600		
6"	.14	PT	.008	.019	.035	.082								
		TR	1.9	3.1	3.9	5.8								
		VK	357	535	714	1071								
8"	.24	PT		.006	.012	.024	.115							
		TR		1.8	3.0	4.4	8.9							
		VK		313	417	625	1250							
10"	.36	PT			.005	.011	.048	.140						
		TR			2.4	3.6	7.2	12.0						
		VK			278	417	833	1389						
12"	.49	PT				.009	.022	.065	.101					
		TR				2.9	6.0	10.0	12.4					
		VK				306	612	1020	1326					
14"	.63	PT				.004	.014	.041	.064	.110				
		TR				1.6	5.4	8.9	10.9	14.3				
		VK				238	476	794	1031	1269				

Total pressure loss (PT) includes total static (Ps) and velocity (Pv) pressure losses for diffuser only. Throw (Tr) is the radius of diffusion pattern in feet and based upon a terminal velocity (Vt) of 50 FPM. Face outlet velocity (Vk) is the averaged face velocities measured with a 2220A velometer jet. See figure #3 on page 103 for probe positioning.