MUSHROOM VENTILATOR

FEATURES:

- Provides an efficient means of exhausting air through the flooring in performing arts theaters, concert halls and auditoriums with fixed seating. May also be used to supply heated air at floor level. (NOTE: Mushroom ventilators are not recommended for supplying chilled air.)
- Designed to permit unrestricted air flow and proper air balance. Nine adjustment positions facilitates air control from fully open, to completely closed.
- Dome top eliminates undesirable sight lines into duct work common with bar-type grills.
- Cast iron construction provides a sturdy ventilating unit which will stand up to use in a floor application.
- Cast iron dome design suppresses noise from duct work, as well as noise generated by associated mechanical systems.
- Mushroom ventilators are easily installed into concrete or wood flooring. Lugs are included for installation into wood flooring. Collars with drilled and tapped holes for set screws are included to lock into core drilled or sleeved precast concrete holes.

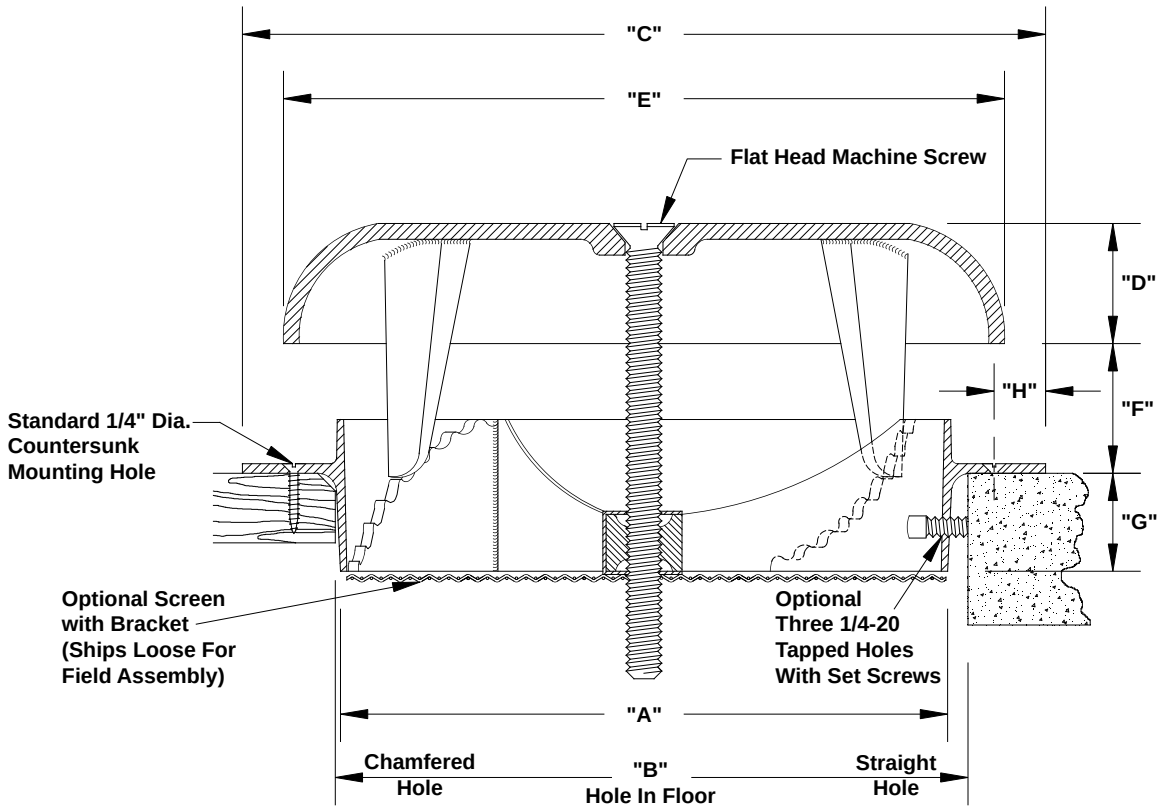
RECOMMENDED DESIGN GUIDELINES:

- For draft free comfort, return air applications should generally be limited to neck velocities of 250-350 feet per minute. Higher velocities to 600 feet per minute may be acceptable in some instances.
- Mushroom ventilators are not recommended for supplying chilled air. Heated supply air applications should be limited to neck velocities not exceeding 300 feet per minute.
- When conditioned air is supplied at the ceiling level, adequate spacing of mushroom vents will ensure proper air distribution in occupied zones (i.e. seating areas).

MUSHROOM VENTILATOR - MODEL MV

STANDARD MATERIAL: Cast Iron **STANDARD FINISH:** Black Enamel

Made in the U.S.A.,
Meets the American Recovery and Reinvestment Act of 2009 (ARRA) Section 1005, "Buy American Act"



MUSHROOM VENTILATOR PERFORMANCE - EXHAUST

UNIT SIZE	DUCT AREA * SQ. FT.	DUCT VEL., FPM	200	250	300	350	400	450	500	550	600
		VEL. PRESSURE	0.002	0.004	0.006	0.008	0.010	0.013	0.016	0.019	0.022
		Ps	0.015	0.023	0.033	0.045	0.058	0.074	0.091	0.111	0.132
6	0.1964	CFM	39	49	59	69	79	88	98	108	118
7	0.2673		53	67	80	94	107	120	134	147	160
8	0.3491		70	87	105	122	140	157	175	192	209
10	0.5454		109	136	164	191	218	245	273	300	327

* Duct Area based on nominal (Unit) size.
Ps - Static Pressure (Negative), I.W.G.
Performance shown with cover in maximum extended position.
For supply performance, the static pressure is approximately equal to the listed static pressure minus the velocity pressure based on the duct area.

Qty.	Size	A	B, Minimum		C	D	E	F Max.	G	H	Optional Set Screws	Optional Screen	Tag
			Chamfer	Straight									
	6	6.0	6.10	6.50	7.95	1.25	7.13	1.60	.95	.44			
	7	7.0	7.25	7.60	9.15	1.40	8.25	1.80	1.60	.50			
	8	8.0	8.25	8.50	10.20	1.40	9.50	2.50	1.15	.50			
	10	10.0	10.25	10.70	11.85	1.65	11.60	2.70	1.50	.38			

Project		**Location**	
Engineer			
Architect		**Dwg. No.**	**SD-MV**
Contractor		**Date**	**10/15**

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