



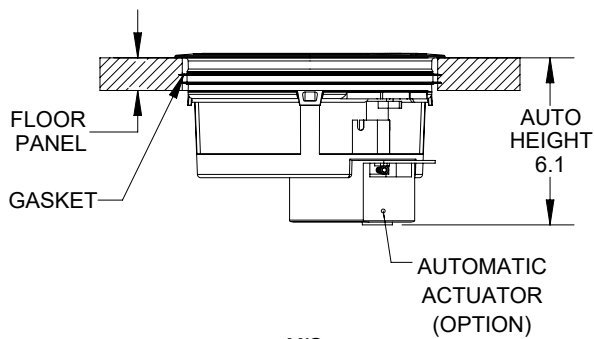
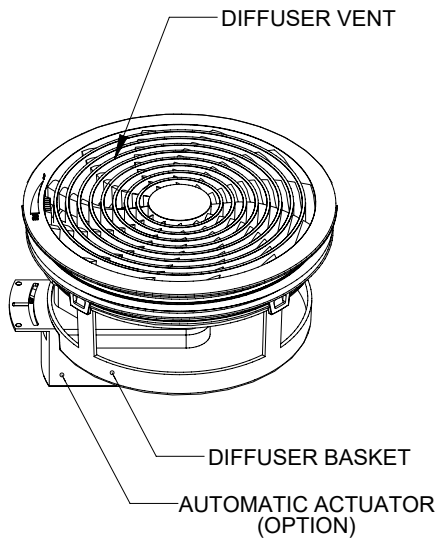
**VORTEX SWIRL DIFFUSER (VSD):**

**PRODUCT DESCRIPTION**

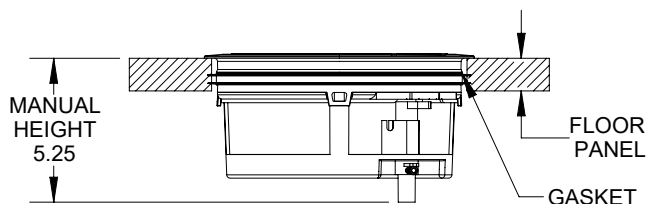
The Vortex Swirl diffuser, VSD is engineered to deliver air at low velocity discharge and high induction rates for better air quality. The VSD optimizes the stratification of air for a fresher environment and increased productivity.

**FEATURES**

- Vortex swirl air pattern
- VSD's vent is available in high strength polymer construction.  
Basket made of high strength polymer
- Fire rated polymer diffuser is load rated for 1250 lbs.
- Gasketed to control air leakage less than 10 CFM when fully closed
- Max airflow capacity up to 80 CFM
- Air flow regulation either manual or automatic
- Personal airflow control slider in manual models allows occupants to customize their airflow
- Reliable actuator for automatic models
- Easy to install, clean, and relocate
- Removable diffuser basket for easy clean.

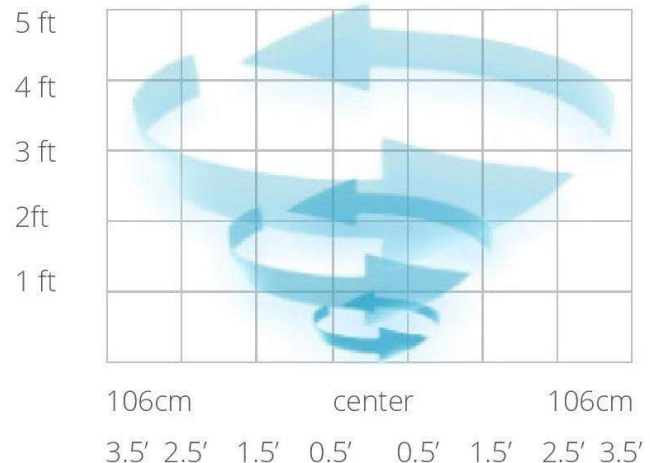


V/S



\* All dimensions in Inches

**AIR DISTRIBUTION PATTERN**  
**VORTEX SWIRL DIFFUSER**



Project Name and Number:

Description:

VORTEX SWIRL DIFFUSER (VSD)

Engineer:

Submission  
Date :

**PROPRIETARY AND CONFIDENTIAL**

THE INFORMATION CONTAINED IN THIS  
DRAWING IS THE SOLE PROPERTY OF  
Global IFS. ANY REPRODUCTION IN PART  
OR AS A WHOLE WITHOUT THE WRITTEN  
PERMISSION OF Global IFS IS  
PROHIBITED.

Dwg Release:

Sheet:

Size:  
Letter



Pressure Differential	0.05" in WC	Air flow Volume	110 CFM
Height Above the floor	Radial Distance from Diffuser(Inch)		
	0"	6"	12"
48"	65 ft/min	50 ft/min	50 ft/min
36"	65 ft/min	60 ft/min	50 ft/min
24"	95 ft/min	65 ft/min	50 ft/min
18"	185 ft/min	50 ft/min	-
12"	65 ft/min	40 ft/min	-

DIFFUSER AIR VELOCITY

**VORTEX SWIRL DIFFUSER OPTIONS:**

1. AIR FLOW CAPACITY:

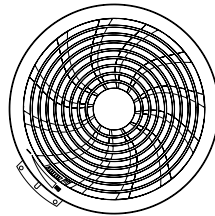
- ☐ 80 CFM \*  
☐ CUSTOM \_\_\_\_\_

2. DIFFUSER CONTROL:

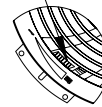
- ☐ MANUAL  
☐ AUTO \*

3. VENT COLOR:

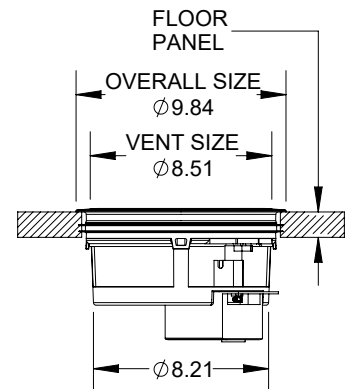
- ☐ BLACK \*  
☐ GRAY  
☐ BEIGE  
☐ CUSTOM



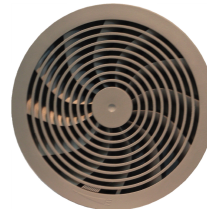
MANUAL AIR  
FLOW  
CONTROLLER



DETAIL B  
AIR FLOW CONTROLLER  
FOR MANUAL DIFFUSERS



BLACK



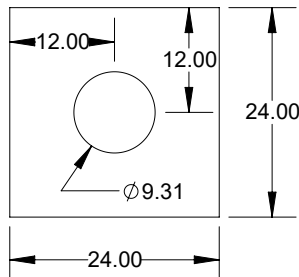
BEIGE



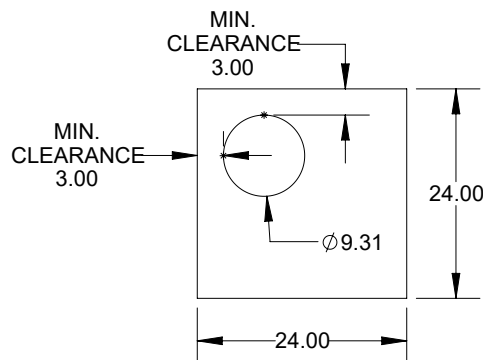
GRAY

\* SUPPLIED AS STANDARD OPTION

NOTE: MINIMUM 6" FLOOR CLEARANCE REQUIRED



Global IFS Cutout Code AE (9 5/16" Center Cutout)



Global IFS Cutout Code BE (9 5/16" Quadrant Cutout)

ACCESS FLOOR PANEL CUTOUT  
(ALL DIM. IN INCHES)

Project Name and Number:

Description:

VORTEX SWIRL DIFFUSER (VSD)

Engineer:

Submission  
Date :

**PROPRIETARY AND CONFIDENTIAL**

THE INFORMATION CONTAINED IN THIS  
DRAWING IS THE SOLE PROPERTY OF  
Global IFS. ANY REPRODUCTION IN PART  
OR AS A WHOLE WITHOUT THE WRITTEN  
PERMISSION OF Global IFS IS  
PROHIBITED.

Dwg Release:

Sheet:

Size:  
Letter