HOSPITAL OPERATING ROOM DIFFUSER
MODULAR PLENUMS
EXAMPLE SYSTEM LAYOUT - TEE BAR INSTALLATION

NOTES:
- RECOMMENDED SLOT AIRFLOW = 25–45 CFM/FT.
- RECOMMENDED INLET VELOCITY = 500 FPM
- TYPICAL LAYOUT SHOWN, MINIMUM OF ONE INLET PER SIDE OF SYSTEM REQUIRED
- MINIMUM INLET LENGTH = 6" MAXIMUM = 48"

- HANGER BRACKET LOCATIONS CAN BE INDICATED ON PROJECT SPECIFIC SUBMITTALS, IF REQUESTED.
- INTERNAL LAMINAR FLOW DIFFUSER LAYOUT CAN BE SHOWN ON PROJECT SPECIFIC SUBMITTALS, IF REQUESTED.
- PLENUM SECTIONING CAN BE SHOWN ON PROJECT SPECIFIC SUBMITTALS.

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: 2020/01/08

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HOSPITAL OPERATING ROOM DIFFUSER
MODULAR PLENUMS
EXAMPLE SYSTEM LAYOUT - SURFACE MOUNT INSTALLATION

NOTES:
- ROUGH OPENING IN CEILING SHOULD BE 8.00" WIDE AND 1.00" SHORTER THAN THE OVERALL DIFFUSER LENGTH
- RECOMMENDED SLOT AIRFLOW = 25-45 CFM/FT.
- RECOMMENDED INLET VELOCITY = 500 FPM
- TYPICAL LAYOUT SHOWN, MINIMUM OF ONE INLET PER SIDE OF SYSTEM REQUIRED.

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PROJECT:

ENGINEER:  
CUSTOMER:  
SUBMITTAL DATE:  2020/01/08  
REVISION:  D
HOSPITAL OPERATING ROOM DIFFUSER
CONTINUOUS PLENUMS
EXAMPLE SYSTEM LAYOUT - TEE BAR INSTALLATION

NOTES:
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PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: 2020/01/08

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HOSPITAL OPERATING ROOM DIFFUSER
CONTINUOUS PLENUMS
EXAMPLE SYSTEM LAYOUT - SURFACE MOUNT INSTALLATION

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PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: 2020/01/08

REVISION: D

HORD
HOSPITAL OPERATING ROOM DIFFUSER

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HOSPITAL OPERATING ROOM DIFFUSER
SURFACE MOUNT OPTION
SECTION VIEW

NOTES:
- DAMPER ADJUSTABLE ROOM SIDE WITHOUT REMOVAL OF THE DIFFUSER FACE
- MANUFACTURED TO SIZES AND TOLERANCE +/-.032
- INSTALLATION AND MOUNTING OF THE HORD IS THE RESPONSIBILITY OF THE INSTALLER

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:  
CUSTOMER:  
SUBMITTAL DATE:  
REVISION:  D  

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HOSPITAL OPERATING ROOM DIFFUSER
TEE BAR OPTION
SECTION VIEW

PLENUM WIDTH = 5.875

RADIUS PLENUM CORNERS

STAINLESS STEEL DAMPER
C/W REMOTE LEVER OPERATOR
(OPTIONAL)

3/16" HEX HEAD SET SCREW
FOR LOCKING DAMPER BLADES

SEAL PLENUM AND MTC. FRAME JOINT WITH
SEALANT AFTER ASSY
(BY OTHERS)

OVERALL FRAME = 9.750

OVERALL TEE BAR CENTER-TO-CENTER SPACING = 10.000

NOTES:
- DAMPER ADJUSTABLE ROOM SIDE WITHOUT REMOVAL OF THE DIFFUSER FACE
- MANUFACTURED TO SIZES AND TOLERANCE +/-.032"
- INSTALLATION AND MOUNTING OF THE HORD IS THE RESPONSIBILITY OF THE INSTALLER

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER: KC

CUSTOMER: 263978

SUBMITTAL DATE: 2020/01/08

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HORD
HOSPITAL OPERATING ROOM DIFFUSER

HORD-1-X
# HOSPITAL OPERATING ROOM DIFFUSER

## Plenum Height Options:
- 8”
- 10”
- 12”
- 14”
- 16”

## Inlet Height Options (Dependent on Plenum Height):
- 3”
- 4”
- 5”
- 6”
- 7”
- 9”
- 10”

## Mounting Style Options:
- Tee Bar / Lay-In
- Surface Mount

## End Cap Style Options:
- Mechanically Fastened
- Continuously Welded
  - (Only for Plenum Material AL-14 and SS-20)
- 90° Corner, Mechanically Fastened

## Inlet Damper Options:
- None
- VCS3SS - Stainless Steel Opposed Blade Damper

## External Insulation Options:
- None
- AFI - External 1/2” Fiberglass Insulation with Foil Facing

## Plenum Material Options:
- AL-14 (.064”)
- AL-18 (.040”)
- SS-20 (.035”)
- SS-23 (.025”)

## Face Material Options:
- AL-14 (.064”)
- SS-20 (.035”)

## Plenum Finish Options:
- AL-B12 - Standard White
- AL-B25 - Custom
- #2B - Polished Stainless Steel
- WM - Washed Mill Aluminum

## Face Finish Options:
- AL-B12 - Standard White
- AL-B25 - Custom
- #4 - Brushed Stainless Steel
- WM - Washed Mill Aluminum

---

![Diagram of modular and continuous plenum options]

**All Metric Dimensions ( ) are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.**

**Project:**

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