

## PERFORATED CEILING DIFFUSERS STEEL. FIRE RATED DAMPER. LAY-IN FACE

**MODEL PB616:** SUPPLY. 1,2,3 OR 4 WAY ADJUSTABLE DISCHARGE PATTERN

**MODEL PBR616:** RETURN DIFFUSER WITH ROUND NECK

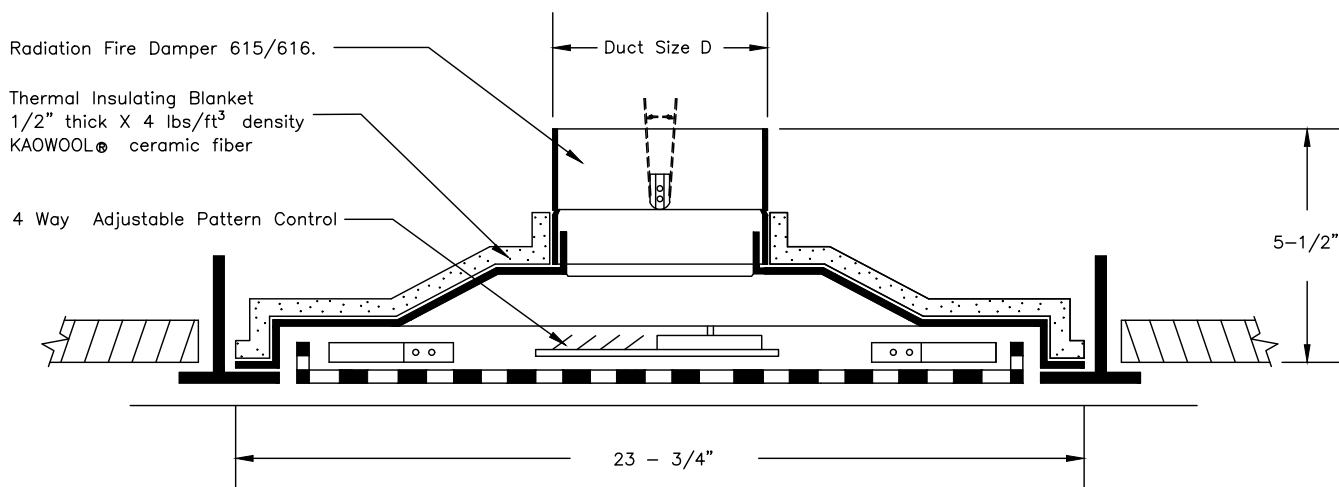
**MODEL PR615:** RETURN DIFFUSER (ADJUSTABLE PATTERNS DEFLECTORS NOT AVAILABLE ON RETURN MODELS)

**MODEL SCF616:** SQUARE CONE, ROUND NECK DIFFUSER, 360° PATTERN.

File No. R.10967



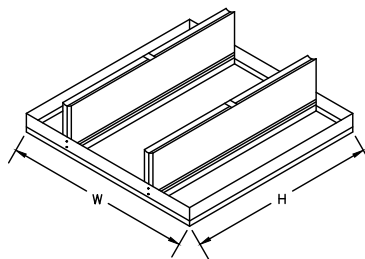
UNDERWRITERS LABORATORIES INC.  
CLASSIFIED  
CEILING FIRE DAMPERS  
TESTED IN ACCORDANCE WITH UL 263



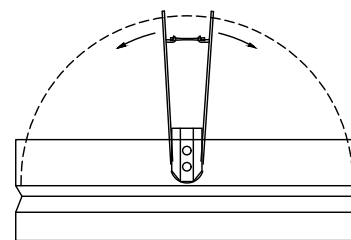
FACE OR CEILING MODULE SIZE	DUCT SIZE "D"					
	6" DIA.	8" DIA.	10" DIA.	12" DIA.	14" DIA.	22 X 22
24 X 24	X	X	X	X	X	X

### SUPPLY / RETURN

DUCT SIZE D
6" DIA./ 6" DIA.
8" DIA./ 8" DIA.
10" DIA./ 10" DIA.
12" DIA./ 12" DIA.
14" DIA./ 14" DIA.
N/A / 22 X 22



UL LISTED RADIATION FIRE DAMPER  
MODEL # 615



UL LISTED RADIATION FIRE DAMPER  
MODEL # 616

## MODEL PB/PBR/PR/SCF616

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STEEL. FIRE RATED DAMPER. LAY-IN FACE

NOTE: ALL DRAWINGS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.



**Grille tech inc.**

DRAWN BY: MR

DATE: 5/3/17

SCALE: NOT TO SCALE

DRAWING NO.

PB/PBR/  
PR/SCF616

CHECKED BY: ND

DATE: 5/3/17

REVISION: 1

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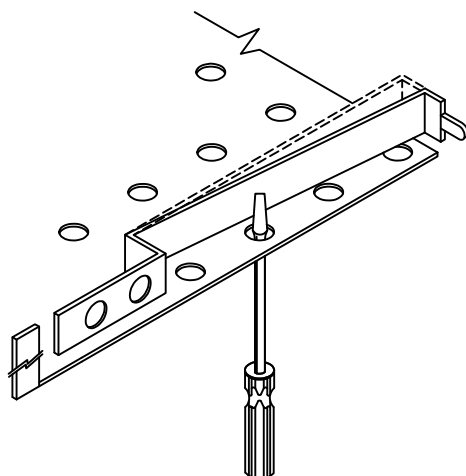
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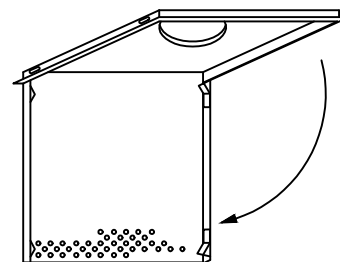
## REMOVING PERFORATED FACE

1. INSERT SMALL SCREWDRIVER OTHER SLIM INSTRUMENT TO PUSH LATCH INWARD FROM BORDER.

2. REPEAT ON OPPOSITE SIDE.

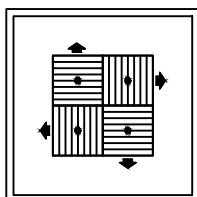


3. FACE WILL NOW SWING DOWN WITH 2 REMAINING LATCHES ACTING AS HINGES. FOR COMPLETE REMOVAL, RELEASE 2 REMAINING LATCHES.

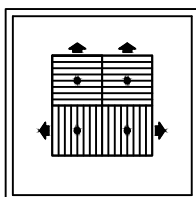


## ADJUSTING PATTERN CONTROLLERS

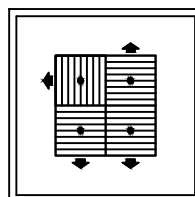
4-WAY



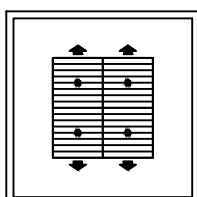
3-WAY



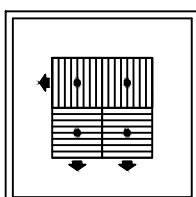
3-WAY



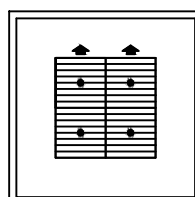
2-WAY



2-WAY CORNER



1-WAY



*Note: All supply diffusers are shipped with 4-way settings. Patterns can be adjusted before or after installation by others. Adjustable pattern deflectors not available on return models.*

## GENERAL DESCRIPTION:

- THE CEILING RADIATION DAMPER HAS A FIRE RESISTANCE RATING OF 3 HOURS OR LESS WHEN INSTALLED IN ACCORDANCE WITH THE INSTALLATION INSTRUCTIONS.
- THIS FLUSH FACE PERFORATED CEILING DIFFUSER IS DESIGNED TO PROVIDE A UNIFORM CIRCULAR PATTERN.
- EXCELLENT PERFORMANCE IN VARIABLE AIR VOLUME SYSTEMS.
- TIGHT, UNIFORM HORIZONTAL BLANKET OF AIR PROTECTS THE CEILING AGAINST SMUDGING.
- DISCHARGE PATTERN CAN BE ADJUSTED TO VERTICAL AS WELL AS TO 1,2,3, OR 4-WAY HORIZONTAL. CAN BE ADJUSTED BEFORE OR AFTER INSTALLATION.
- DISCHARGE PATTERN IS EASILY ADJUSTED BY DROPPING THE PERFORATED FACE (ABOVE) AND ROTATING PATTERN CONTROLLERS.
- PERFORATED FACE HAS 3/16" DIAMETER HOLES ON 1/4" STAGGERED CENTERS.
- MATERIAL IS 24 GAUGE STEEL
- FINISH: SKY-WHITE DUPONT 100% POLYESTER POWDER COATING PAINT (STANDARD)
- FUSIBLE LINK: UL LISTED 165° F STANDARD OR 212° F (OPTIONAL)

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