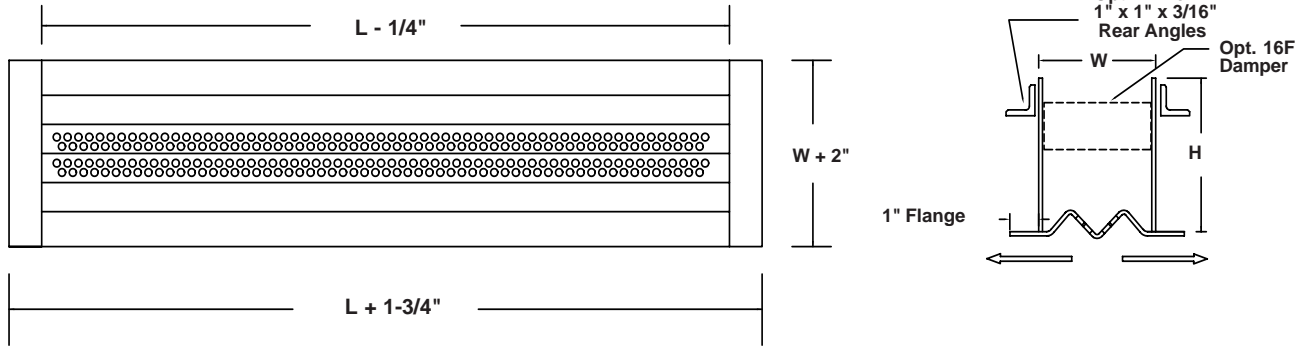


SEG-9LS3TO SECURITY DIFFUSER

STEEL CONSTRUCTION - TWO WAY SUPPLY

Complies with NIC recommendations and California BoP Title 24



STANDARD CONSTRUCTION

Face: 10 ga. thick steel stitch welded to sleeve. 1" face flange.
Hole Pattern: 3/16" diameter holes on 9/32" staggered centers.
Sleeve: 10 ga. steel with continuously welded or formed seams.
Finish: Two part polyurethane inside and out. White.

REQUIRED CONSTRUCTION:

- Face Material:** 10 ga. steel (Std.)
- Hole Pattern:** 3/16" dia. holes on 9/32" centers (Std.)
 Other _____
- Face Flange "F"** 1" (Std.)
 Other _____
- Sleeve Material:** 10 ga. steel (Std.)
 Other _____
- Finish:** White (Std.)
 Other _____
- Other Patterns:** **SEG-9LS3VH** Vertical and horizontal
 SEG-9LS3H2 Two slots one way horizontal throw
 SEG-9LS3V2 Two slots vertical throw
 SEG-9LS3RS Return and supply

MOUNTING OPTIONS:


- 11A.** Two loose pieces of 1" x 1" x 3/16" mill finish angle loose for field welding. Length equal to longest side of diffuser. Other angle size _____
- 11B.** Rear angle frame of 1" x 1" x 3/16" mill finish steel completely assembled for field welding. Other angle size _____
- 12A.** Rear angle frame for bolting to sleeve. 1" x 1" x 3/16" steel with bolt holes 8" o.c. for 1/4" dia. bolts. No holes in sleeve. No bolts, nuts or washers. Other angle size _____
- 12B.** Rear angle frame for bolting to sleeve. 1" x 1" x 3/16" steel with bolt holes in sleeve and frame 8" o.c. for 1/4" dia. bolts. No bolts, nuts or washers. (Advise wall or ceiling thickness). Other angle size _____
- 24.** Countersunk screw holes in face 10" o.c. with #10-24 x 2" long Torx security machine screws. 1" x 1" x 1/8" steel angle frame with matching holes and foldover nuts. Requires 1-1/2" flange. Other angle size _____
- 25.** Countersunk screw holes in face 10" o.c. with #10 x 1-1/2" long Torx security sheet metal screws. Other screw length _____

ACCESSORIES:

- 16F.** Face operated damper for total volume control.
- 16P.** Plenum mounted inlet dampers. Requires ADP plenum.
- ADP.** Supply plenums, 24 ga. galvanized steel, insulated or non-insulated. Furnished loose for field installation. 11-1/2" standard height.
 Insulated Non-insulated
- Other:** _____

Qty.	Listed Length L	Sleeve O.D.		Ceiling Opening		Sleeve Length H	Ceiling Thickness	Accessories	Fastening Method	Tag
		L	W	L	W					
		Listed L - 1/4"	4-3/4"	Sleeve o.d. +1/4"						

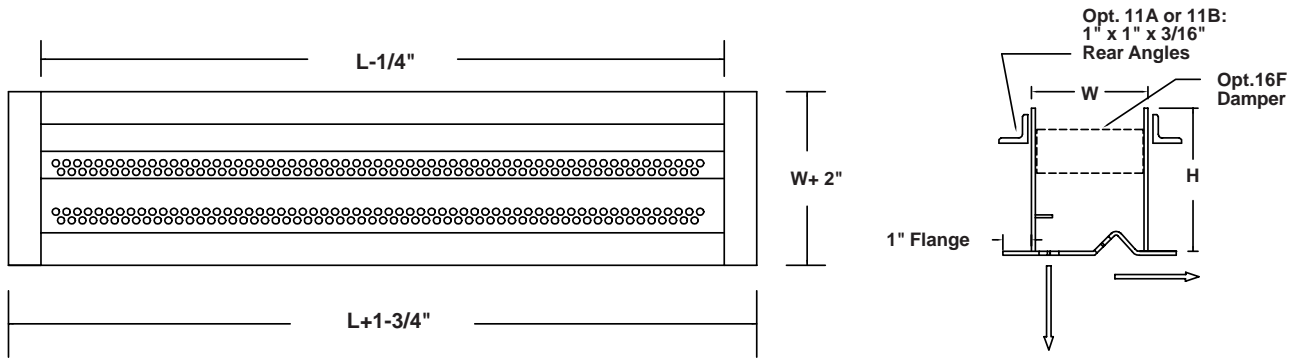
To maintain KEES' policy of continuous product improvement, we reserve the right to change prices, specifications, ratings, or dimensions without prior notice or obligation.

Project				Location			
Engineer				Dwg. No.	SEG-9LS3TO 11/07/06		 KEES INCORPORATED 400 S. Industrial Drive P.O. Box L Elkhart Lake, WI 53020 Phone: (920) 876-3391 FAX: (920) 876-3065
Architect				Date			
Contractor							

SEG-9LS3VH SECURITY DIFFUSER

STEEL CONSTRUCTION - SUPPLY VERTICAL/HORIZONTAL

Complies with NIC recommendations and California BoP Title 24



STANDARD CONSTRUCTION

Face: 10 ga. thick steel stitch welded to sleeve. 1" face flange.
Hole Pattern: 3/16" diameter holes on 9/32" staggered centers.
Sleeve: 10 ga. steel with continuously welded or formed seams.
Finish: Two part polyurethane inside and out. White.

REQUIRED CONSTRUCTION:

- Face Material:** 10 ga. steel (Std.)
- Hole Pattern:** 3/16" dia. holes on 9/32" centers (Std.)
 Other _____
- Face Flange "F"** 1" (Std.)
 Other _____
- Sleeve Material:** 10 ga. steel (Std.)
 Other _____
- Finish:** White (Std.)
 Other _____
- Other Material:** **SEG-9LS3VHA**
all 1/8" thick aluminum construction
- SEG-9LS3VHSS**
all stainless steel construction,
12 ga. type 304.

MOUNTING OPTIONS:


- 11A.** Two loose pieces of 1" x 1" x 3/16" mill finish angle loose for field welding. Length equal to longest side of diffuser. Other angle size _____
- 11B.** Rear angle frame of 1" x 1" x 3/16" mill finish steel completely assembled for field welding. Other angle size _____
- 12A.** Rear angle frame for bolting to sleeve. 1" x 1" x 3/16" steel with bolt holes 8" o.c. for 1/4" dia. bolts. No holes in sleeve. No bolts, nuts or washers. Other angle size _____
- 12B.** Rear angle frame for bolting to sleeve. 1" x 1" x 3/16" steel with bolt holes in sleeve and frame 8" o.c. for 1/4" dia. bolts. No bolts, nuts or washers. (Advise wall or ceiling thickness). Other angle size _____
- 24.** Countersunk screw holes in face 10" o.c. with #10-24 x 2" long Torx security machine screws. 1" x 1" x 1/8" steel angle frame with matching holes and foldover nuts. Requires 1-1/2" flange. Other angle size _____
- 25.** Countersunk screw holes in face 10" o.c. with #10 x 1-1/2" long Torx security sheet metal screws. Other screw length _____

ACCESSORIES:

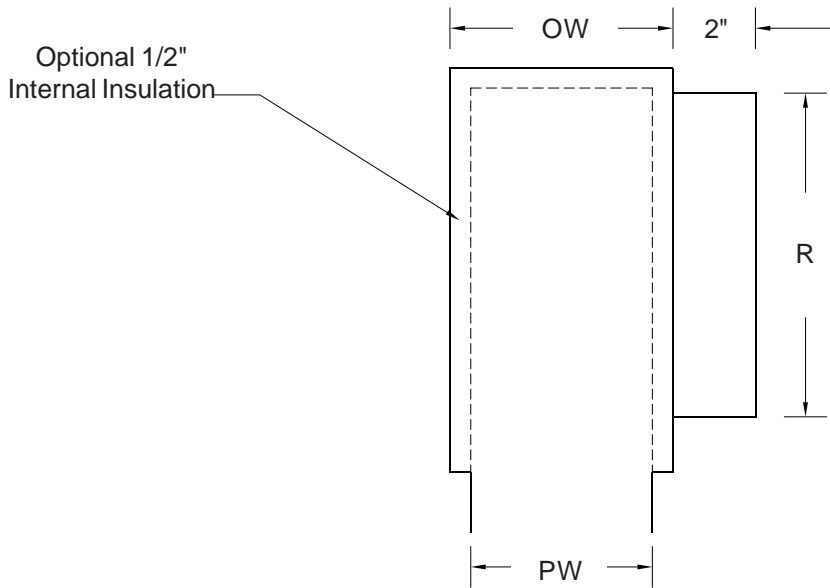
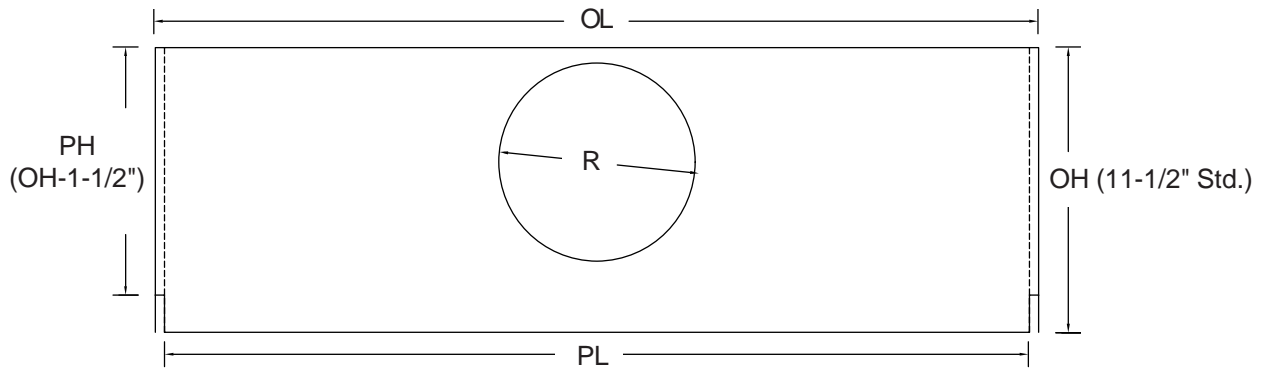
- 16F.** Face operated damper for total volume control.
- 16P.** Plenum mounted inlet dampers. Requires ADP plenum.
- ADP.** Supply plenums, 24 ga. galvanized steel, insulated or non-insulated. Furnished loose for field installation. 11-1/2" standard height.
 Insulated Non-insulated
- Other:** _____

Qty.	Listed Length L	Sleeve O.D.		Ceiling Opening		Sleeve Length H	Ceiling Thickness	Accessories	Plenum Height	Plenum Inlet	Fastening Method	Tag
		L	W	L	W							
		Listed L - 1/4"	4-3/4"	Sleeve o.d. +1/4"								

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Project				Location			
Engineer				Dwg. No. SEG-9LS3VH 11/07/06		KEES INCORPORATED 400 S. Industrial Drive P.O. Box L Elkhart Lake, WI 53020 Phone: (920) 876-3391 FAX: (920) 876-3065	
Architect			Date				
Contractor							

**ADP PLENUM
FOR USE WITH
SEG-9LS3 SECURITY DIFFUSER
TWO WAY THROW PATTERN**




Note 1) Collars offset on 48" lengths
2) Inlets 10" and larger will be oval

24 ga. galvanized steel construction.

Qty.	Diffuser Listed Length	Plenum Length		Plenum Height		Plenum Inlet R	Plenum Width		Internal Insulation		Tag
		OL	PL	OH	PH		OW	PW	Yes	No	
	24"	23-7/8"	23-3/8"				5-3/8"	4-3/8"			
	36"	35-7/8"	35-3/8"				5-3/8"	4-3/8"			
	48"	47-7/8"	47-3/8"				5-3/8"	4-3/8"			

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Project		Location	
Engineer			 KEES INCORPORATED 400 S. Industrial Drive P.O. Box L Elkhart Lake, WI 53020 Phone: (920) 876-3391 FAX: (920) 876-3065
Architect		Dwg. No. SEG-9LSADP 11/07/06	
Contractor		Date	