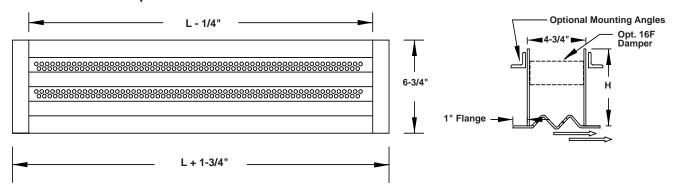
SEG-9LS3H2 SECURITY DIFFUSER STEEL CONSTRUCTION - ONE WAY SUPPLY

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 seams. Finish: Two part polyurethane inside and out. White.

Maximum single piece section is 48"

REQUIRED CONS	TRU	CTION:
Face Material:		10 ga. steel (Std.)
Hole Pattern:		3/16" dia. holes on 9/32" centers (Std.
Face Flange"F"		1" (Std.) 1-1/2" for mounting option 24
Sleeve Material:		10 ga. steel (Std.) Other
Finish:		White (Std.) Other
Other Material:		SEG-9LS3H2A all 1/8" thick aluminum construction
	П	SEG-91 S3H2SS

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 . Same as 12A with the addition of bolt holes in sleeve. (Advise ceiling thickness). Other angle size
	24. Countersunk screw holes in face 10" o.c. with #10-24 x 2" long Torx security machine screws for 1-1/2" maximum ceiling thickness. 1" x 1" x 1/8" steel angle frame with matching holes and foldover nuts. Requires 1-1/2" flange.
	25. Countersunk screw holes in face 10" o.c. with #10 x 1-1/2" long Torx security sheet metal screws. Other screw length
AC	CESSORIES:
	16F. Face operated damper for total volume control. Dampers are adjustable using flat bladed screwdriver.
	ADP. Supply plenums, 24 ga. galvannealed steel, insulated or non-insulated. Furnished loose for field installation.11-1/2" standard height. ☐ Insulated ☐ Non-insulated Inlet Size
	Other:

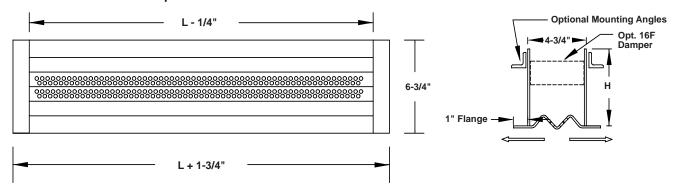
Qty.	Listed Length	Sleeve C).D.	Ceiling	Ceiling Opening		Ceiling Thickness	Accessories	Mounting Option	Tog
	L	L	W	L	W	Sleeve Height H	Thickness	Accessories	Option	Tag

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		
Architect / Engineer				KEES INCORPORATED
Contractor	Dwg. N	o. SEG-9LS3H2 01/21/13		Elkhart Lake, WI 53020 Phone: (920) 876-3391 FAX: (920) 876-3065
Representative	Date		KEES	Website: www.kees.com

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 seams. Finish: Two part polyurethane inside and out. White.

Maximum single piece section is 48"

REQUIRED CONSTRUCTION:								
Face Material:		10 ga. steel (Std.)						
Hole Pattern:		3/16" dia. holes on 9/32" centers (Std.)						
Face Flange"F"		1" (Std.) 1-1/2" for mounting option 24						
Sleeve Material:		10 ga. steel (Std.) Other						
Finish:		White (Std.) Other						

Other Material:

all 1/8" thick aluminum construction

☐ SEG-9LS3TOSS

☐ SEG-9LS3TOA

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 . Same as 12A with the addition of bolt holes in sleeve. (Advise ceiling thickness). Other angle size
	24 . Countersunk screw holes in face 10" o.c. with #10-24 x 2" long Torx security machine screws for 1-1/2" maximum ceiling thickness. 1" x 1" x 1/8" steel angle frame with matching holes and foldover nuts. Requires 1-1/2" flange.
	25. Countersunk screw holes in face 10" o.c. with #10 x 1-1/2" long Torx security sheet metal screws. Other screw length
AC	CESSORIES:
	16F. Face operated damper for total volume control. Dampers are adjustable using flat bladed screwdriver. Two sections over 24".
	ADP. Supply plenums, 24 ga. galvannealed steel, internally insulated or non-insulated. Furnished loose for field installation.11-1/2" standard height. ☐ Insulated ☐ Non-insulated Inlet Size
	Other:

Qty.	Listed Length	Sleeve C).D.	Ceiling	Opening	Sleeve Height	Ceiling Thickness	Accessories	Mounting	Tog
	L	L	W	L	W	H	Thickness	Accessories	Option	Tag

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
Architect / Engineer			
Contractor	Dwg. N	lo.	SEG-9LS3TO 01/21/13
Representative	Date		



KEES INCORPORATED Elkhart Lake, WI 53020 Phone: (920) 876-3391 FAX: (920) 876-3065 Website: www.kees.com

SEG-9LS3VH SECURITY DIFFUSER (OMH APPROVED) SUPPLY VERTICAL/HORIZONTAL

Complies with NIC recommendations and California BoP Title 24

_	L - 1/4"		_	Optional Mounting Angles 4-3/4"——Opt. 16F
		Karahaanakarahaa	6-3/4"	Damper
			<u> </u>	1" Flange
-	L + 1-3/4"	-		

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 seams. Finish: Two part polyurethane inside and out. White.

Maximum single piece section is 48"								
REQUIRED CONS	TRU	CTION:						
Face Material:		10 ga. steel (Std.)						
Hole Pattern:		3/16" dia. holes on 9/32" centers (Std.)						
Face Flange"F"		1" (Std.) 1-1/2" for mounting option 24						
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 . Same as 12A with the addition of bolt holes in sleeve. (Advise ceiling thickness). Other angle size						
	24 . Countersunk screw holes in face 10" o.c. with #10-24 x 2" long Torx security machine screws for 1-1/2" maximum ceiling thickness. 1" x 1" x 1/8" steel angle frame with matching holes and foldover nuts. Requires 1-1/2" flange.						
	25. Countersunk screw holes in face 10" o.c. with #10 x 1-1/2" long Torx security sheet metal screws. Other screw length						
AC	CESSORIES:						
	16F. Face operated damper for total volume control. Dampers are adjustable using flat bladed screwdriver. Two sections over 24".						
	ADP. Supply plenums, 24 ga. galvannealed steel, internally insulated or non-insulated. Furnished loose for field installation.11-1/2" standard height. ☐ Insulated ☐ Non-insulated Inlet Size						
	Other:						

Qty.	Listed Length	Sleeve O).D.	Ceiling	Opening	Sleeve Height	Ceiling Thickness	Accessories	Mounting Option	T
	L	L	W	L	W	H	Thickness	Accessories	Option	Tag

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		Lo	cation			
Architect / Engineer						KEES INCORPORATED
Contractor	Dwg. N	lo. SEG 06/0	-9LS3VH 1/23		\wedge	Elkhart Lake, WI 53020 Phone: (920) 876-3391 FAX: (920) 876-3065
Representative	Date	·		[i		Website: www.kees.com

SEG-9LS3SR SECURITY DIFFUSER STEEL CONSTRUCTION - SUPPLY / RETURN

Complies with NIC recommendations and California BoP Title 24

L-1/4" —	-	Optional Mounting Angles
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		1" Flange
L+1-3/4"	MOUNTING OPTIONS:	

Other angle size _

### 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 seams. **Divider:** 14 ga. steel titch welded to face and sleeve. **Finish:** Two part polyurethane inside and out. White.

Maximum single piece section is 48"

REQUIRED	CONSTR	UCTION:
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REQUIRED CONS	STRU	ICTION:		<b>12A.</b> 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
Face Material:	ial:   10 ga. steel (Std.)			sleeve. No bolts, nuts or washers. Other angle size
Hole Pattern:		3/16" dia. holes on 9/32" centers (Std.)		<b>12B.</b> Same as <b>12A</b> with the addition of bolt holes in sleeve. (Advise ceiling thickness). Other angle size
Face Flange"F"		1" (Std.) 1-1/2" for mounting option 24		24. Countersunk screw holes in face 10" o.c. with #10-24 x 2" long Torx security machine screws for 1-1/2" maximum ceiling thickness.
Sleeve Material:		10 ga. steel (Std.) Other		1" x 1" x 1/8" steel angle frame with matching holes and foldover nuts. Requires 1-1/2" flange.
Finish:		White (Std.) Other		25. Countersunk screw holes in face 10" o.c. with #10 x 1-1/2" long Torx security sheet metal screws. Other screw length
			AC	CESSORIES:
Other Material:		SEG-9LS3SRA all 1/8" thick aluminum construction		<b>16F.</b> Face operated damper for total volume control. Dampers are adjustable using flat bladed screwdriver. Two sections over 24".
		SEG-9LS3SRSS all stainless steel construction, 12 ga. type 304.		ADP. Supply plenums, 24 ga. galvannealed steel, internally insulated or non-insulated. Furnished loose for field installation.11-1/2" standard

Listed Length	Sleeve C	).D.	Ceiling (	Opening	Sleeve	_Ceiling	Accessories	Mounting	Tag
L L W L		W	H	Thickness	71000001100	Option			
			·						
	Listed Length L	L Sleeve C	_			Height	L Sleeve O.D. Ceiling Opening Sleeve Height Thickness	L Sleeve O.D. Ceiling Opening Sleeve Height H Thickness Accessories	L Sleeve O.D. Ceiling Opening Sleeve Height H Thickness Accessories Mounting Option

□ Other: __

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Project		Location	
Architect / Engineer			
Contractor	Dwg. No.	SEG-9LS3SR 01/21/13	
Representative	Date		



□ 11A. Two loose pieces of 1" x 1" x 3/16" mill finish angle loose for

☐ **11B.** Rear angle frame of 1" x 1" x 3/16" mill finish steel completely

field welding. Length equal to longest side of diffuser.

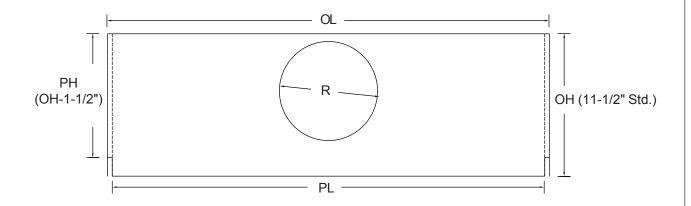
☐ Insulated ☐ Non-insulated Inlet Size ___

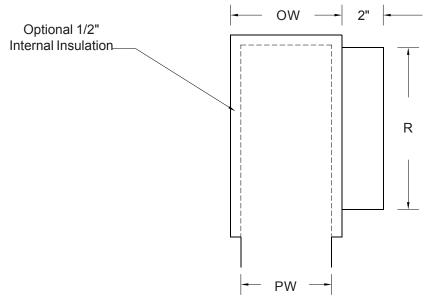
assembled for field welding. Other angle size _

**KEES INCORPORATED** Elkhart Lake, WI 53020 Phone: (920) 876-3391

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





24 ga. galvanized steel construction.

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

051	Qty. Diffuser Listed Length	Plenum Length		Plenum Height		Plenum Inlet	Plenum Width		Internal Insulation		Tog
Qty.		OL	PL	ОН	PH	R	ow	PW	Yes	No	Tag
	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"			

A o 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				KEES INCORPORATED 400 S. Industrial Drive
Architect	Dwg. No.	SEG-9LSADP 11/07/06		ÒN @edo/Sea ^ÉAY QÁ HEGE Ú@}} MÁCIGEDÁIÎ ÎËHUF
Contractor	Date		KEES	ØOŠÝKÁÇIĞ∈DÂİÏÎËHEÎÍ 7