

# Submittal Sheet

www.anemostat-hvac.com

Model **AD-O**

LINEAR DIFFUSER PLENUM

Offset Design

1/2", 3/4", 1", 1-1/2", 2", 2-1/2", 3"

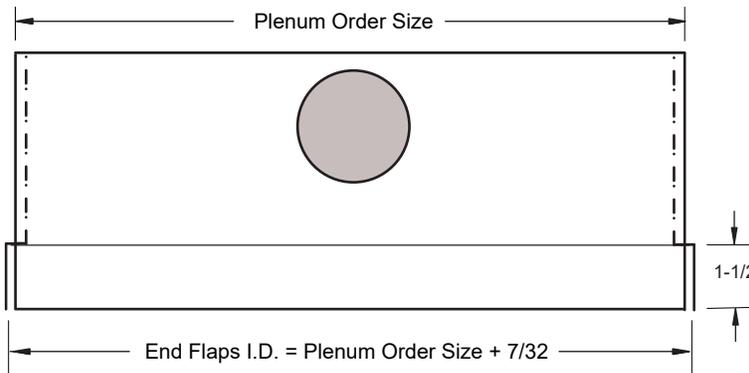
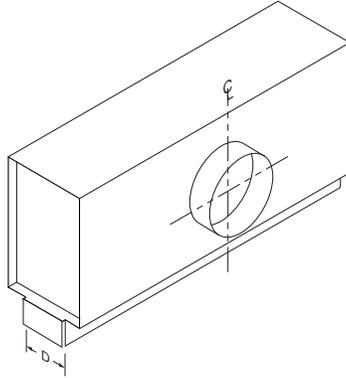
SLOT WIDTHS

## PRODUCT FEATURES

- Supply or ducted return air
- Zinc-coated steel construction (Aluminum & Stainless Steel available)
- Lo-Profile Model ADLP available
- Oval inlets / multiple inlets / field cut inlets available
- Order sizes up to 72" in 1/32" increments

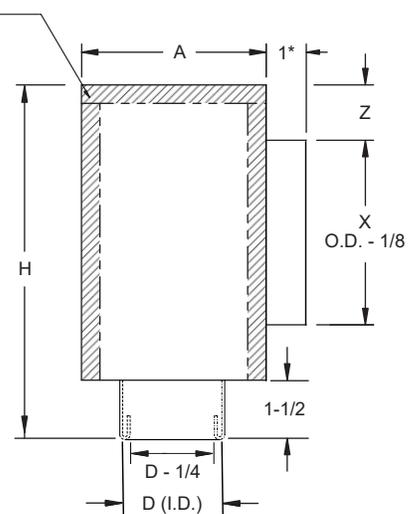
Use with the following Slot Diffuser models (Supply or Return):

- SLAD / SLAR
- FF / FFR / PJ (Except -CM frames - See sub sheet AD-S-0004)
- TAZR4
- TAZR6 (Except TAZR6-S-L / TAZR6-R-L, 4 Slot - 3/4" Slot Widths - See sub sheet AD-S-0003)



OPTIONAL INSULATION  
(END CAPS NOT INSULATED)

- 1/2" FIBERGLASS
- 3/8" CLOSED CELL FOAM
- 1/2" FOIL FACED



MODEL AD • DIMENSIONAL DATA															
# SLOTS	AD-O-50		AD-O-75		AD-O-10		AD-O-15		AD-O-20		AD-O-25		AD-O-30		# SLOTS
	1/2" SLOTS		3/4" SLOTS		1" SLOTS		1-1/2" SLOTS		2" SLOTS		2-1/2" SLOTS		3" SLOTS		
	A	D	A	D	A	D	A	D	A	D	A	D	A	D	
1	5	1-9/16	5	1-13/16	6	2-5/16	5	3-5/16	6	4-5/16	7	5-5/16	8	6-5/16	1
2	5	2-13/16	5	3-5/16	6	4-5/16	8	6-5/16	10	8-5/16	12	10-5/16	14	12-5/16	2
3	6	4-1/16	8	4-13/16	8	6-5/16	11	9-5/16	14	12-5/16	17	15-5/16	20	18-5/16	3
4	8	5-5/16	8	6-5/16	10	8-5/16	14	12-5/16	18	16-5/16	22	20-5/16	26	24-5/16	4
5	8	6-9/16	9	7-13/16	12	10-5/16	17	15-5/16							
6	10	7-13/16	11	9-5/16	14	12-5/16	20	18-5/16							
7	10	9-1/16	12	10-13/16	16	14-5/16	23	21-5/16							
8	12	10-5/16	14	12-5/16	18	16-5/16	26	24-5/16							

Nom Inlet Φ, X	H	Z
4	9-3/8	2
5	9-3/8	1-1/2
6	9-3/8	1
7	10-3/8	1
8	11-3/8	1
9	12-3/8	1
10	13-3/8	1
12	15-3/8	1
14	17-3/8	1
16	19-3/8	1
None	Specify Dim H	

\* Optional inlet dampers increase dimension. See damper submittal sheet for details.

All dimensions are in inches.

JOB NAME:

SUBMITTED BY:

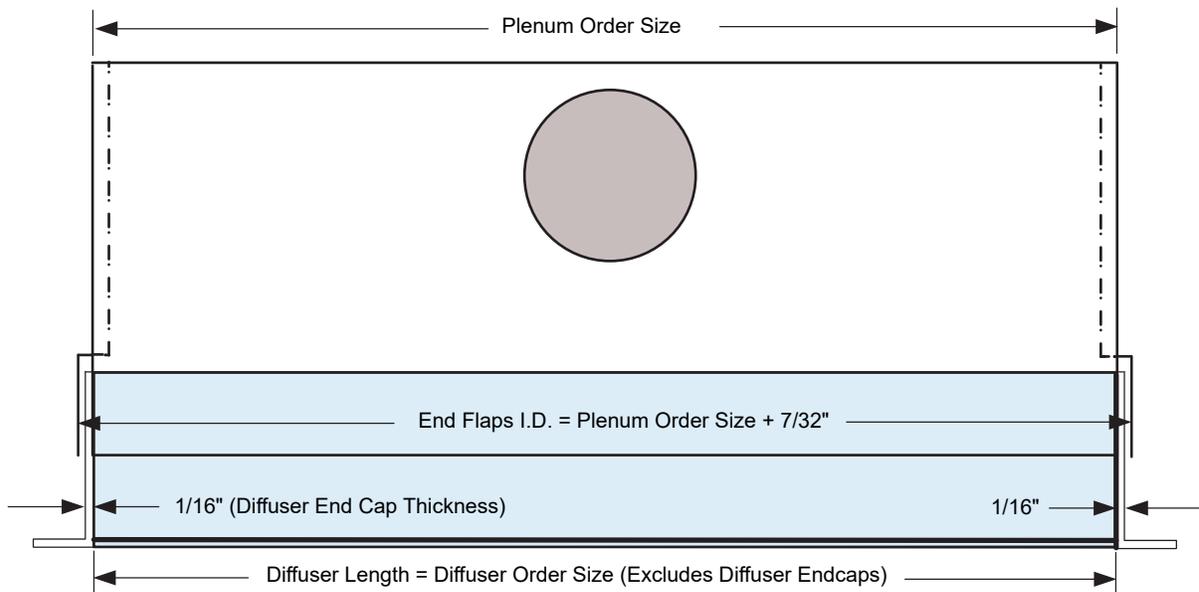
# Submittal Sheet

www.anemostat-hvac.com

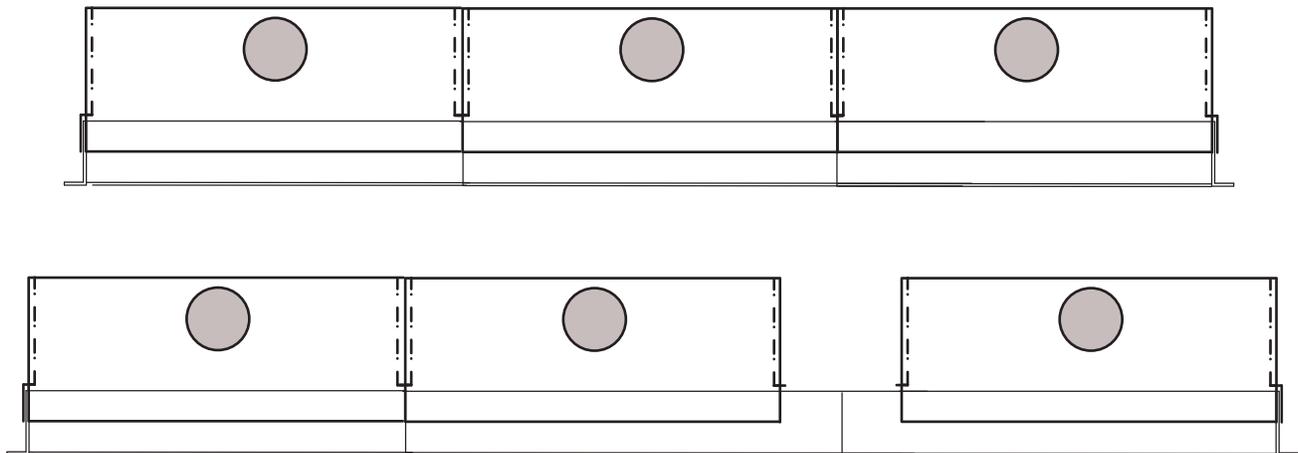
PLENUM SIZING  
FOR LINEAR SLOT  
DIFFUSERS WITH  
SURFACE FRAMES

## PLENUM SIZING

- Model AD plenum length (order size) is typically the diffuser length (order size) of the surface diffuser. Example: A single 48" diffuser with end caps will use a 48" long Model AD plenum. Refer to the appropriate diffuser submittal for the diffuser length.
- Multiple plenums used on multiple piece slot diffusers configured for long, continuous run applications may consist of 100% active diffuser length or a mix of active and inactive diffuser sections. When the end flap(s) of the plenum terminates in the middle of a continuous run, the flap(s) can be removed with snips or turned up.



## ELEVATION VIEWS



All dimensions are in inches.

JOB NAME:

SUBMITTED BY:

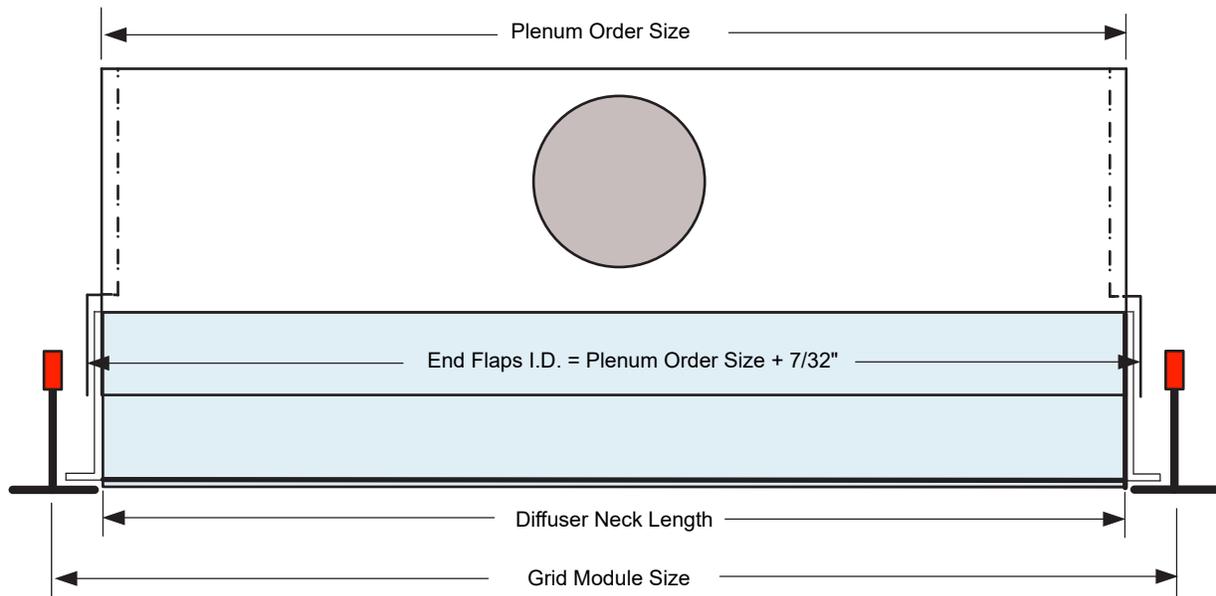
# Submittal Sheet

www.anemostat-hvac.com

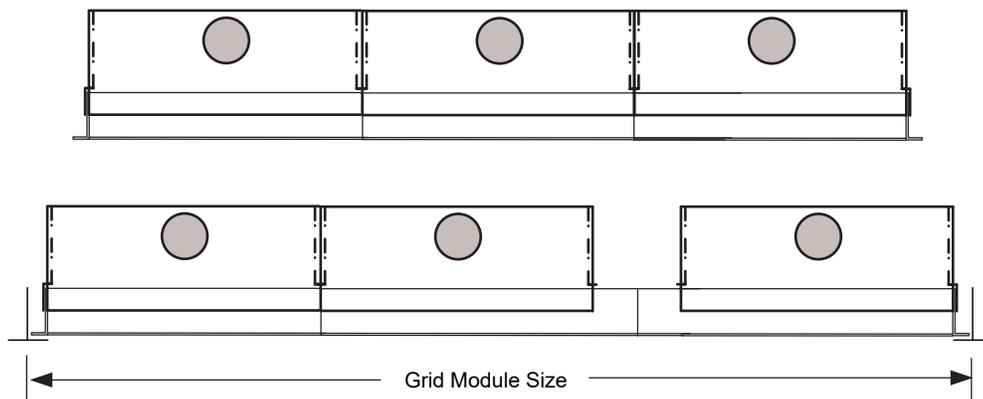
PLENUM SIZING  
FOR LINEAR SLOT  
DIFFUSERS IN  
SUSPENDED CEILING  
GRID SYSTEMS

## PLENUM SIZING

- The **order size length** for Linear Slot Diffusers used in suspended grid systems is **the module size length**. The diffuser actual neck length is always less than the module length and will vary based on the type of ceiling system (15/16" Lay-In Inverted T-bar, 9/16" Lay-In T-Bar, 9/16" Narrow Slot, 9/16" Tegular, 15/16" Tegular, etc). The order size length for Model AD plenums should be the actual diffuser NECK LENGTH (excluding end caps) which can be found on the specific submittal sheet for the application. Example: For a standard 15/16" Inverted Lay-In T-bar application with a module length of 48", the diffuser neck length (excluding end caps) is 47" long. A single diffuser for a 48" lay-in T-bar module will use a 47" long Model AD plenum. So, for this example, the diffuser neck length is grid module size - 1".
- Multiple plenums used on multiple piece slot diffusers configured for long, continuous run applications may consist of 100% active diffuser length or a mix of active and inactive diffuser sections. When the end flap(s) of the plenum terminates in the middle of a continuous run, the flap(s) can be removed with snips or turned up.



## ELEVATION VIEW



All dimensions are in inches.

JOB NAME:

SUBMITTED BY: