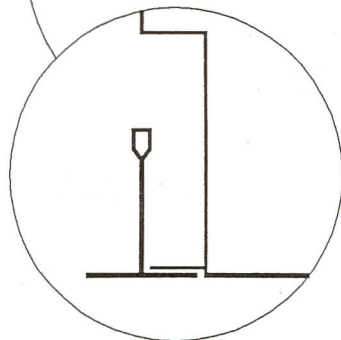
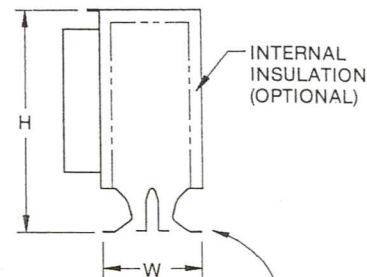
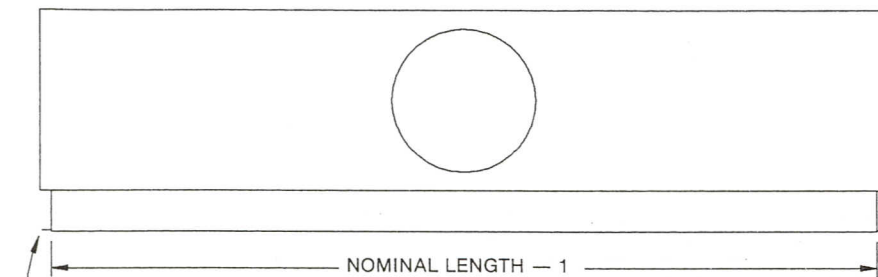


AIR DISTRIBUTION SUBMITTAL

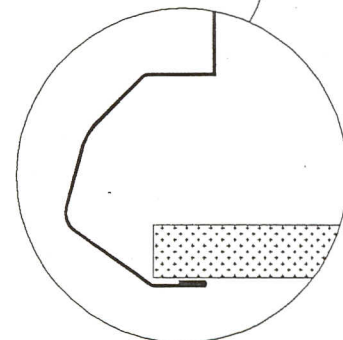


END BRACKET DETAIL

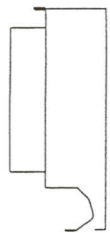
INLET DIAMETER	DIFFUSER HEIGHT H
5, 6	9 $\frac{3}{4}$
7, 8, 9	12 $\frac{7}{16}$
10	14

STANDARD DIFFUSER HEIGHTS ARE BASED ON INLET SIZE. CONTACT FACTORY FOR SPECIAL REQUIREMENTS.

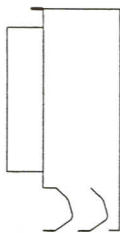
MODEL NUMBER	DIFFUSER WIDTH W
J-11	1 $\frac{15}{16}$
J-21	3 $\frac{1}{16}$
J-22	4 $\frac{1}{8}$
J-31	4 $\frac{1}{16}$
J-32	5 $\frac{1}{8}$
J-41	5 $\frac{1}{16}$
J-42	6 $\frac{1}{8}$



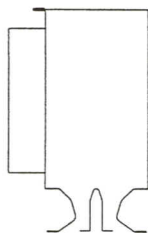
TILE FLANGE DETAIL



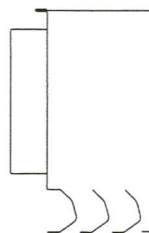
MODEL J-11
1-SLOT
1-WAY



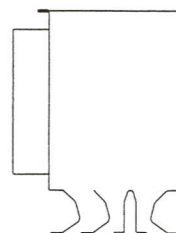
MODEL J-21
2-SLOT
1-WAY



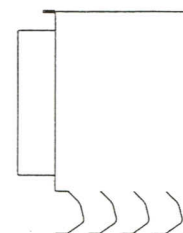
MODEL J-22
2-SLOT
2-WAY



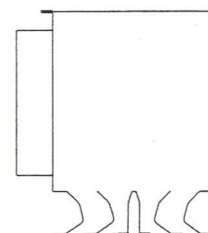
MODEL J-31
3-SLOT
1-WAY



MODEL J-32
3-SLOT
2-WAY



MODEL J-41
4-SLOT
1-WAY



MODEL J-42
4-SLOT
2-WAY

FEATURES

- FIXED VANE PROVIDES A DRAFTLESS AIR PATTERN OVER THE FULL RANGE OF FLOW. EXCELLENT FOR VARIABLE VOLUME.
- LOWER FLANGES PROVIDE TILE SUPPORT AS AN INTEGRAL PART OF THE DIFFUSER HOUSING.
- AVAILABLE IN NOMINAL LENGTHS FROM 24 TO 60 INCH.
- MATERIAL: 24 GAUGE GALVANNEAED STEEL.
- ALL EXPOSED SURFACES HAVE WHITE ENAMEL FINISH.
- CONTACT FACTORY FOR AVAILABILITY OF DIFFUSERS FOR SPECIAL CEILING APPLICATIONS.

OPTIONS (Specify)

- ☐ NON-INSULATED
- ☐ INTERNAL INSULATION
- ☐ INLET DAMPER
- ___ MODEL NUMBER
- ___ NOMINAL LENGTH
- ___ INLET SIZE

STANDARD INDUSTRY TOLERANCES APPLY. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

JOB NAME: _____
 LOCATION: _____
 ARCHITECT: _____
 ENGINEER: _____
 CONTRACTOR: _____

J-SERIES SLOT DIFFUSERS

DRAWN BY
MTV

DATE
4-4-97

DWG. NO.
J-14A



J-SERIES PERFORMANCE DATA

SUPPLY SLOT PERFORMANCE

24" NOMINAL LENGTH							48" NOMINAL LENGTH							60" NOMINAL LENGTH						
1-SLOT 1-WAY	CFM	20	40	60	80	100	1-SLOT 1-WAY	CFM	40	80	120	160	200	1-SLOT 1-WAY	CFM	50	100	150	200	250
	PS	.01	.03	.06	.10	.15		PS	.01	.03	.08	.14	.20		PS	.01	.04	.09	.15	.24
	Throw NC	11 (20)	17 (20)	22 (20)	25 (20)	27 (20)		Throw NC	11 (20)	17 (20)	22 (20)	25 (20)	27 (20)		Throw NC	11 (20)	17 (20)	22 (20)	25 (20)	27 (20)
2-SLOT 1-WAY	CFM	40	80	120	160	200	2-SLOT 1-WAY	CFM	80	160	240	320	400	2-SLOT 1-WAY	CFM	100	200	300	400	500
	PS	.01	.03	.07	.12	.18		PS	.01	.04	.08	.14	.22		PS	.01	.04	.08	.14	.22
	Throw NC	14 (20)	21 (20)	27 (20)	31 (20)	34 (20)		Throw NC	14 (20)	21 (20)	27 (20)	31 (20)	34 (20)		Throw NC	14 (20)	21 (20)	27 (20)	31 (20)	34 (20)
2-SLOT 2-WAY	CFM	40	80	120	160	200	2-SLOT 2-WAY	CFM	80	160	240	320	400	2-SLOT 2-WAY	CFM	100	200	300	400	500
	PS	.01	.03	.06	.09	.14		PS	.01	.03	.06	.09	.15		PS	.01	.03	.06	.11	.17
	Throw NC	11 (20)	17 (20)	22 (20)	25 (20)	27 (20)		Throw NC	11 (20)	17 (20)	22 (20)	25 (20)	27 (20)		Throw NC	11 (20)	17 (20)	22 (20)	25 (20)	27 (20)
3-SLOT 1-WAY	CFM	60	120	180	240	300	3-SLOT 1-WAY	CFM	120	240	360	480	600	3-SLOT 1-WAY	CFM	150	300	450	600	750
	PS	.01	.03	.06	.12	.19		PS	.01	.03	.06	.12	.19		PS	.01	.03	.07	.13	.21
	Throw NC	17 (20)	27 (20)	35 (20)	40 (20)	43 (20)		Throw NC	17 (20)	27 (20)	35 (20)	40 (20)	43 (20)		Throw NC	17 (20)	27 (20)	35 (20)	40 (20)	43 (20)
3-SLOT 2-WAY	CFM	60	120	180	240	300	3-SLOT 2-WAY	CFM	120	240	360	480	600	3-SLOT 2-WAY	CFM	150	300	450	600	750
	PS	.01	.03	.06	.10	.15		PS	.01	.03	.06	.10	.16		PS	.01	.03	.06	.11	.18
	Throw 1 Throw 2 NC	11 14 (20)	17 21 (20)	22 27 (20)	25 31 (20)	27 34 (20)		Throw 1 Throw 2 NC	11 14 (20)	17 21 (20)	22 27 (20)	25 31 (20)	27 34 (20)		Throw 1 Throw 2 NC	11 14 (20)	17 21 (20)	22 27 (20)	25 31 (20)	27 34 (20)
4-SLOT 2-WAY	CFM	80	160	240	320	400	4-SLOT 2-WAY	CFM	160	320	480	640	800	4-SLOT 2-WAY	CFM	200	400	600	800	1000
	PS	.01	.03	.06	.10	.15		PS	.01	.03	.06	.11	.17		PS	.01	.03	.07	.13	.20
	Throw NC	14 (20)	21 (20)	27 (20)	31 (20)	34 (20)		Throw NC	14 (20)	21 (20)	27 (20)	31 (20)	34 (20)		Throw NC	14 (20)	21 (20)	27 (20)	31 (20)	34 (20)

RETURN SLOT PERFORMANCE

24" NOMINAL LENGTH							48" NOMINAL LENGTH							60" NOMINAL LENGTH						
1-SLOT	CFM	20	40	60	80	100	1-SLOT	CFM	40	80	120	160	200	1-SLOT	CFM	50	100	150	200	250
	- PS	.01	.03	.06	.10	.18		- PS	.01	.03	.06	.10	.19		- PS	.01	.03	.06	.11	.22
2-SLOT	CFM	40	80	120	160	200	2-SLOT	CFM	80	160	240	320	400	2-SLOT	CFM	100	200	300	400	500
	- PS	.01	.03	.06	.10	.19		- PS	.01	.03	.06	.11	.20		- PS	.01	.03	.06	.12	.23

Ps — Static Pressure in inches of water.

Throw — Distances in feet to terminal velocity of 50 fpm.

Throw 1 and Throw 2 indicates number of slots throwing each direction on 3-slot, 2-way diffuser.

NC — Noise Criteria based on 10db room absorption.

Performance data is based on tests performed at Donco Air Products and ETL Testing Laboratories in accordance with ADC 1062 GRD—84 Test Code.