

DISPLACEMENT DIFFUSERS

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DISPLACEMENT DIFFUSER CROSS REFERENCE

NEW NAILOR MODEL	DESCRIPTION	PREVIOUS NAILOR MODEL	PRICE	TITUS	TROX	HALTON
DFF1	Rectangular 1-Way Pattern ● Floor Standing ● Flat Face	61DPRP	DF1	DVRI	QLF-0-1	AFA
DFF3	Rectangular 3-Way Pattern ● Floor Standing ● Flat Face	61 DPRP3	DF3	-	QLF-0-3	AFF
DFF1C	Rectangular 1-Way Pattern ● Floor Standing ● Flat Face ● Corner	61 DPRPC	DF1C	-	-	-
DFR90	Quarter Round 90° ● Floor Standing ● Corner	61 DPRP-90	DR90	DVVC	QLV-90	AFQ
DFR180	Half Round 180° • Floor Standing • Wall/Pillar	61DPRP-180	DR180	DVHC	-	AFP
DFR180H	U-Shaped 180° • Floor Standing • Wall/Pillar • High Capacity	-	DR180U	DVHC	QLV-180	AFB
DFR360	Full Round 360° ● Floor Standing ● Free Standing	61DPRP-360	DR360	DVCP	QLV-360	AFC
DFR360-DH	Full Round 360° ● Duct Hanging Option	-	DR360-DH	-	-	-
DWF1	Rectangular 1-Way ● Internal Wall Mount ● Flat Face	61DPRW	DF1W	-	-	AFE
DWR1	Rectangular 1-Way ● Riser/Recessed Wall Mount● Flat Face	61DPRS	DF1R	-	-	-
DWG1	Rectangular 1-Way ● Side Wall Mount ● Grille Type	-	-	-	-	-
DCF1 Type L	Rectangular 1-Way ● Ceiling Mount ● Type L Lay-in T-Bar	61DPRL	DF1L	-	-	-

Note: Cross references are equivalent to rather than equal to the general design of the diffuser in many cases. Caution should therefore be exercised when reading specifications, comparing performance data, seeking approval and/or seeking an alternate approval.



RECTANGULAR FLOOR STANDING

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Nailors' **Displacement Ventilation** products have been especially designed to achieve the high indoor air quality (IAQ) and performance standards that are required in the buildings of today. Careful workmanship and only high quality materials are used to ensure an aesthetically pleasing line of diffusers.

There are a number of key benefits to using Displacement Ventilation however achieving improved air quality efficiently is the best reason. This is accomplished by delivering low velocity, cold conditioned air directly into the occupied space close to floor level. As the cold air rises it helps to displace the warm air upwards towards the exhaust openings that are situated in or close to the ceiling. The introduction of the air directly into the occupied space allows for a lower velocity and a slightly warmer air temperature and as a result, the energy and noise levels are reduced, creating a more efficient system. This is also beneficial to the occupants who will have the advantage of breathing the clean, non-contaminated air.

The design, style and mounting position of the diffuser are very important because they will be located in a space where they are easily viewed by the occupants. Therefore Nailor offers a range of styles that are visually appealing and unobtrusive in design. Styles include rectangular diffusers that are placed on or just above the floor and mounted against a wall or pillar. This style has a flat perforated face and is offered in either a 1-way or 3-way pattern. When space is an issue a corner unit is available as well. A series of similar diffusers are available that have a rounded face and include a model with a 180 degree pattern for wall or pillar mounting, a free standing model with a 360 degree pattern and a model with a 90 degree pattern for mounting in a corner. Very discreet looking in-wall, ceiling, and riser mount styles are also available.

Displacement diffusers are typically used in public spaces that have high IAQ requirements such as healthcare and education facilities, conference and meeting rooms, entertainment facilities, and retail spaces including malls, grocery stores and restaurants.



RECTANGULAR FLOOR STANDING DFF SERIES

These diffusers incorporate a steel rectangular plenum with a supply air inlet on the top of the unit as standard. The diffusers have an inner baffle and perforated flat face that supplies the air into the room at a low velocity and noise level. The models available include either a 1-way or 3-way air pattern. This series of diffusers are typically mounted against a wall, pillar or even in a corner when space is a major consideration.

Model DFF1 – 1-Way Pattern, Wall/Pillar Unit	See page
Model DFF3 – 3-Way Pattern, Wall/Pillar Unit	See page
Model DFF1C – 1-Way Pattern, Corner Unit	See page



ROUND FLOOR STANDING DFR SERIES

The diffusers in this series incorporate a steel rectangular plenum with a supply air inlet on the top of the unit as standard. The diffusers have an inner baffle and a round circular face that supplies low velocity air into the room in a circular pattern and at a low noise level. The models available include a half circle diffuser with a 180 degree pattern that is typically mounted against a wall or pillar, a quarter round corner unit with 90 degree throw pattern and a freestanding unit with a 360 degree pattern that can be incorporated into a pillar system. The 360 degree model is also available in a duct hanging style.

Model DFR90 – 90° Pattern, Corner Unit	See Page 10
Model DFR180 – 180° Pattern, Wall/Pillar Unit	See Page 12
Model DFR180H – 180° Pattern, Wall/Pillar Unit, High Capacity	See Page 14
Model DFR360 – 360° Pattern, Free Standing	See Page 17
Model DFR360DH – 360° Pattern, Free Standing, Duct Hanging	See Page 19





WALL MOUNTED DW SERIES

These diffusers are flush mounted to a wall in a position near the floor. All models have a flat perforated face that creates a low velocity air pattern which travels along the floor before rising up to the occupied space and beyond. The diffuser styles include an internal wall mounted type that has a removable face and an integral plenum. There is a flangeless style that can be easily recessed in a low-wall or stair riser and is used in applications that require a pressurized plenum. Also available is a flanged grille type that easily mounts to a sidewall.

Model DWF1 – 1-Way Pattern, Internal Wall Mount, Flat Face	See Page 21
Model DWR1 – 1-Way Pattern, Riser/Recessed Wall Mount, Flat Face	See Page 23
Model DWG1 - 1-Way Pattern, Side Wall Mount, Grille Type, Flat Face	See Page 25



CEILING MOUNT DCF SERIES

The ceiling mount diffusers are suited for T-Bar Lay-in suspended ceilings. The diffusers have a flat perforated face that creates a low velocity air pattern which allows the cool air to travel down from the ceiling to the occupied space dispersing and displacing the warm air. This Lay-in style diffuser is easy to install in a standard T-bar ceiling.

Model DCF1 Type L – 1-Way Pattern, Lay-in T-bar, Flat Face See Page 28



OPTIONS & ACCESSORIES

Various options and accessories are available to compliment the diffusers. Duct covers, bases and finishes will help enhance the architectural look of the diffusers. Performance management accessories are also available.

Model FM5D - Flow Measuring Station with Balancing Damper	See Page 30
Option DC - Duct Cover	See Page 31
Option DB - Duct Base	See Page 31
Option EC - Expansion Collar	See Page 31





DFF1

FLOOR STANDING • FLAT FACE • WALL/PILLAR

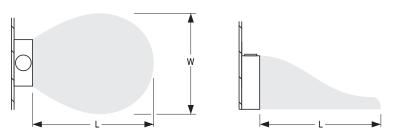
STEEL PERFORATED FACE

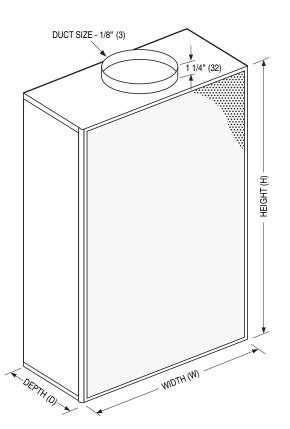
This rectangular diffuser stands on the floor and is typically mounted directly to a wall or pillar. The front of the diffuser has a flat perforated face that creates a low velocity 1-way pattern that supplies air along and near to the floor. The diffuser is available with either a round or rectangular top inlet. Optional inlet locations, finishes and other accessories are available.

DESCRIPTION:

- 1. Construction: Heavy gauge corrosion-resistant coated steel. Standard 18 ga.(1.3) perforated face has 3/32" (2.38) dia. holes on 3/16" (4.76) staggered centers, providing 23% free area.
- 2. An equalization baffle is provided behind the diffuser face to ensure an even distribution of low velocity supply air.
- 3. Floor mounted displacement diffusers are especially designed to supply air at a very low velocity to minimize the potential for drafts and enhance occupant comfort.
- 4. Standard finish is AW Appliance White polyester powder coat.

AIR PATTERNS:







OPTIONS:

1. 14GP Heavy Duty 14 gauge (2.0) perforated face

2. DC Duct Cover

3. DB Diffuser Base

4. Finish:

AL Aluminum SP Special

5. FMSD Flow Measuring Station with balancing damper

(round inlet sizes only)

Unit Sizes (W x H)	Duct Sizes	Depth
24 x 24 (610 x 610)	8 (203), 10 (254), 14 x 6 (356 x 152)	13 (330)
24 x 48 (610 x 1219)	8 (203), 10 (254), 16 x 8 (406 x 203)	13 (330)
24 x 60 (610 x 1524)	8 (203), 10 (254), 16 x 8 (406 x 203)	13 (330)
36 x 48 (914 x 1219)	10 (254), 12 (305), 18 x 8 (457 x 203)	16 (406)
36 x 60 (914 x 1524)	10 (254), 12 (305), 18 x 8 (457 x 203)	16 (406)
48 x 24 (1219 x 610)	8 (203), 10 (254), 14 x 6 (356 x 152)	13 (330)
48 x 36 (1219 x 914)	10 (254), 12 (305), 16 x 8 (406 x 203)	16 (406)
60 x 24 (1524 x 610)	8 (203), 10 (254), 14 x 6 (356 x 152)	13 (330)
60 x 36 (1524 x 914)	10 (254), 12 (305), 18 x 8 (457 x 203)	16 (406)



PERFORMANCE DATA Model: DFF1 • Floor Standing • Flat Face • Wall/Pillar

Unit Size	11.6	Inlet Size (inches) Core Area (ft²)	Face Velocity Airflow	Total Statio	Static	Static Noise	Adjacent Zone										
WxHxD			Face Velocity (FPM)	(CFM)	Pressure (in. w.g.)	Pressure (in. w.g.)	Criteria NC	ΔT= 5°F			10°F						
(inches)	(IIICIIO3)		(11111)	(CIIII)				Length (ft)	Width (ft)	Length (ft)	Width (ft)						
			20	74	0.007	0.004	-	4	4	8	9						
24 x 24 x 13	8 3.	3.7	30	111	0.015	0.009	_	9	6	11	11						
24 7 24 7 13		3.7	40	148	0.027	0.016	_	12	8	14	13						
			50	185	0.043	0.025	_	15	10	17	15						
			20	154	0.012	0.007	_	9	10	10	13						
24 x 48 x 13	10	7.7	30	231	0.026	0.015	_	11	11	13	14						
24 % 40 % 13		7.7	40	308	0.047	0.027	_	14	12	16	16						
			50	385	0.073	0.042	15	17	13	18	17						
			20	188	0.015	0.007	_	10	10	12	14						
24 x 60 x 13	10	9.4	30	282	0.033	0.016	_	13	12	15	17						
24 X 00 X 13	10	7.4	40	376	0.058	0.029	_	16	14	18	19						
			50	470	0.091	0.045	19	18	16	21	21						
			20	228	0.018	0.007	_	12	10	14	13						
36 x 48 x 16	10	11.4	30	342	0.040	0.015	_	15	12	17	15						
30 X 40 X 10	10 11.4	11.7	40	456	0.070	0.027	15	18	13	20	17						
		50	570	0.110	0.042	22	21	14	23	18							
	10 143	12		20	286	0.016	0.008	-	13	10	16	15					
36 x 60 x 16			14.3	30	429	0.037	0.018	_	16	12	18	17					
30 X 00 X 10	12	12 17.3	40	572	0.065	0.032	16	19	14	21	19						
			50	715	0.102	0.050	23	21	16	24	21						
		7.7	20	154	0.013	0.008	-	12	7	15	10						
48 x 24 x 13	10		30	231	0.030	0.019	_	15	9	19	12						
70 X 27 X 13		10	10	10	10	10	10	7.7	40	308	0.054	0.034	15	19	10	21	13
				50	385	0.084	0.053	20	22	11	24	15					
	36 x 16 10 11.4		20	228	0.019	0.008	-	13	7	15	10						
48 x 36 x 16		10 11 4	30	342	0.044	0.019	_	16	9	17	12						
40 X 30 X 10		11.4	40	456	0.078	0.034	16	19	10	21	15						
			50	570	0.121	0.053	23	22	11	24	17						
			20	188	0.017	0.009	-	11	6	13	9						
60 x 24 x 13	10	9.4	30	282	0.038	0.021	_	15	8	17	11						
00 X 24 X 13	10	7.4	40	376	0.067	0.038	15	19	9	21	13						
			50	470	0.105	0.059	20	22	11	24	15						
			20	286	0.018	0.010	-	14	9	16	12						
60 x 36 x 16	12	14.3	30	429	0.041	0.022	_	17	10	19	14						
OU A 30 A 10	14	17.3	40	572	0.073	0.040	17	20	11	22	15						
			50	715	0.114	0.062	24	23	13	25	17						

- 1. Face velocity is in feet per minute, ${\sf FPM}$.
- 2. Airflow is in cubic feet per minute, CFM.
- 3. Pressure is in inches water gauge, in. w.g.
- 4. NC (Noise Criteria) values are based on 10 dB room absorption, re 10¹² watts. Dash (—) in space indicates a NC of less than 15.
- 5. Adjacent Zone size represents the throw distance in feet to a terminal velocity of 40 fpm measured at 1" above the floor.
- 6. ΔT is the temperature difference between the supply air and the room temperature measured at 42" above the floor.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70—2006 and the Nordtest Low Velocity Method NT VVS 083.



DFF3

FLOOR STANDING • FLAT FACE • WALL/PILLAR

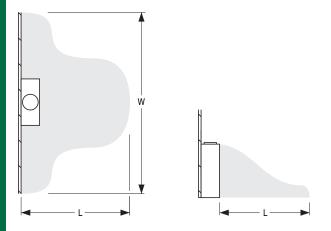
STEEL PERFORATED FACE

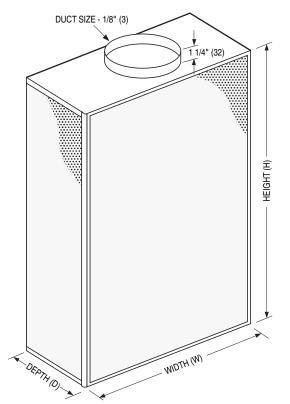
This rectangular diffuser stands on the floor and is typically mounted directly to a wall or pillar. The front and side panels of the diffuser have a flat perforated face that creates a low velocity 3-way pattern that supplies the air along and near to the floor. The diffuser is available with either a round or rectangular top inlet. Optional inlet locations, finishes and other accessories are available.

DESCRIPTION:

- 1. Construction: Heavy gauge corrosion-resistant coated steel. Standard 18 ga. (1.3) perforated face has 3/32" (2.38) dia. holes on 3/16" (4.76) staggered centers, providing 23% free area.
- 2. An equalization baffle is provided behind the diffuser face to ensure an even distribution of low velocity supply air.
- 3. Standard finish is AW Appliance White polyester powder coat.

AIR PATTERNS:







OPTIONS:

1. 14GP Heavy Duty 14 gauge (2.0) perforated face

2. DC Duct Cover

3. DB Diffuser Base

4. Finish:

AL Aluminum SP Special

5. FMSD Flow Measuring Station with balancing damper

(round inlet sizes only)

DIMENSIONAL DATA:

Unit Sizes (W x H)	Duct Sizes	Depth
24 x 24 (610 x 610)	10 (254), 14 x 6 (356 x 152)	13 (330)
24 x 48 (610 x 1219)	10 (254), 16 x 8 (406 x 203), 18 x 8 (457 x 203)	13 (330)
24 x 60 (610 x 1524)	10 (254), 14 x 6 (356 x 152)	13 (330)
24 x 60 (610 x 1524)	16 x 8 (406 x 203), 18 x 8 (457 x 203)	13 (330)
36 x 48 (914 x 1219)	12 (305), 18 x 8 (457 x 203), 24 x 8 (610 x 203)	16 (406)
36 x 60 (914 x 1524)	18 x 8 (457 x 203), 24 x 8 (610 x 203)	16 (406)
48 x 24 (1219 x 610)	10 (254), 14 x 6 (356 x 152)	13 (330)
48 x 36 (1219 x 914)	12 (305), 16 x 8 (406 x 203), 18 x 8 (457 x 203)	16 (406)
60 x 24 (1524 x 610)	8 (203), 10 (254)	13 (330)
60 x 24 (1524 x 610)	14 x 6 (356 x 152), 16 x 8 (406 x 203)	13 (330)
60 x 36 (1524 x 914)	12 (305), 18 x 8 (457 x 203), 24 x 8 (610 x 203)	16 (406)

Dimensions are in inches (mm)



PERFORMANCE DATA Model: DFF3 • Floor Standing • Flat Face • Wall/Pillar

Unit Size	Inlet Size	Core Area	Face	Airflow	Total	Static	Noise	Adjacent Zone								
WxHxD	(inches)	(ft²)	Velocity	(CFM)	Pressure	Pressure	Criteria		= 5°F		10°F					
(inches)		V /	(FPM)		(in. w.g.)	(in. w.g.)	NC	Length (ft)		Length (ft)						
			20 30	154 231	0.008 0.019	0.003 0.008	_	7	14 15	10 11	21 22					
24 x 24 x 13	10	7.7	40	308	0.017	0.000	15	8	16	12	23					
			50	385	0.052	0.021	20	9	17	13	24					
			20	314	0.025	0.004	18	9	15	9	22					
	10		30	471	0.056	0.010	22	10	16	10	23					
_			40	628	0.100	0.017	27	11	16	11	25					
24 x 48 x 13	16 x 8	15.7	30 40	471 628	0.047 0.083	0.029	22 27	10	17 17	10 11	23 25					
24 X 40 X 13	10 X O	13.7	50	785	0.130	0.052 0.081	31	11 12	17	12	26					
			30	471	0.022	0.008	-	10	17	10	23					
	18 x 8		40	628	0.038	0.014	17	11	18	11	25					
			50	785	0.060	0.022	21	12	18	12	26					
	10		20	394	0.040	0.007	15	10	20	13	26					
04 00 40		10.7	30	591	0.090	0.017	23	11	21	14	27					
24 x 60 x 13	10 0	19.7	30	591	0.036	0.014	15	11	21	14	27					
	18 x 8		40 50	788 985	0.064 0.100	0.025 0.040	20 27	12 13	22 23	15 16	28 29					
			20	430	0.100	0.040	16	7	23 15	12	25					
	12		30	645	0.056	0.014	22	9	19	13	26					
	- -		40	860	0.100	0.025	27	10	21	14	27					
			30	645	0.040	0.014	16	9	19	13	26					
36 x 48 x 16	18 x 8	21.5	40	860	0.070	0.024	23	10	21	14	27					
_			50	1075	0.110	0.038	30	11	22	15	28					
	04 0		30	645	0.022	0.007	15	9	19	13	26					
	24 x 8		40 50	860 1075	0.038 0.060	0.012 0.019	20	10 11	21 22	14 15	27 28					
			20	540	0.000	0.017	_	9	19	12	27					
	18 x 8		30	810	0.025	0.023	21	10	20	13	28					
20 4 00 4 10		0.7	40	1080	0.076	0.040	30	11	21	14	29					
36 X 60 X 16								27	30	810	0.025	0.018	16	10	20	13
	24 x 8		40	1080	0.045	0.032	23	11	21	14	29					
			50	1350	0.070	0.050	30	12	22	15	30					
			20	230	0.016	0.005	_	5	13	7	20					
48 x 24 x 13	10	11.5	30 40	345 460	0.036 0.064	0.036 0.064	15 21	6	14 14	9	20 21					
			50	575	0.004	0.004	26	7	15	11	23					
			20	380	0.020	0.005	_	6	16	10	21					
	12		30	570	0.045	0.012	20	7	17	11	24					
48 x 36 x 16		19	40	760	0.080	0.022	24	8	18	11	25					
-U A UU A IU	10 0	17	30	570	0.032	0.012	-	7	17	11	24					
	18 x 8		40	760	0.058	0.022	19	8	18	12	25					
			50 20	950 268	0.090 0.020	0.034 0.005	27	9 4	19 13	13 7	27 18					
	10		30	402	0.020	0.005	16	5	14	8	20					
			40	536	0.045	0.020	23	6	15	9	21					
		1	30	402	0.040	0.010	-	5	14	9	20					
60 x 24 x 13	14 x 6	13.4	40	536	0.070	0.018	21	6	15	9	21					
			50	670	0.110	0.028	29	7	16	10	22					
	1/ 0		30	402	0.022	0.022	_	5	14	9	20					
	16 x 8		40	536	0.038	0.038	15	6 7	15	10	21 22					
			50 20	670 438	0.060 0.028	0.025 0.008	20	5	16 15	10 9	22					
	12		30	657	0.020	0.008	16	6	16	10	23					
			40	876	0.110	0.032	23	6	17	11	25					
		1	30	657	0.040	0.013	15	5	16	10	23					
60 x 36 x 16	18 x 8	21.9	40	876	0.070	0.023	21	6	17	11	25					
			50	1095	0.110	0.035	30	7	18	12	27					
	04 0		30	657	0.029	0.014	-	5	16	10	23					
	24 x 8		40	876	0.051	0.024	_	6	17	11	25					
			50	1095	0.080	0.038	19	7	18	12	27					

- 1. Face velocity is in feet per minute, FPM.
- 2. Airflow is in cubic feet per minute, CFM.
- 3. Pressure is in inches water gauge, in. w.g.
- 4. NC (Noise Criteria) values are based on 10 dB room absorption, re 10⁻¹² watts. Dash (—) in space indicates a NC of less than 15.
- 5. Adjacent Zone size represents the throw distance in feet to a terminal velocity of 40 fpm measured at 1" above the floor.
- 6. ΔT is the temperature difference between the supply air and the room temperature measured at 42" above the floor.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70—2006 and the Nordtest Low Velocity Method NT VVS 083.



DFF1C

FLOOR STANDING • FLAT FACE • CORNER

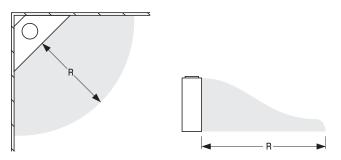
STEEL PERFORATED FACE

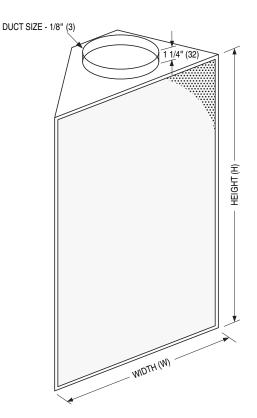
This rectangular diffuser stands on the floor and is typically mounted in the corner of a room. The diffuser is unobtrusive and will easily blend in with the surroundings of the room. The front of the diffuser has a flat perforated face that creates a low velocity 1-way pattern that supplies the air along and near to the floor. The diffuser is available with a round top inlet. Optional inlet locations, finishes and other accessories are available.

DESCRIPTION:

- 1. Construction: Heavy gauge corrosion-resistant coated steel. Standard 18 ga.(1.3) perforated face has 3/32" (2.38) dia. holes on 3/16" (4.76) staggered centers, providing 23% free area.
- 2. An equalization baffle is provided behind the diffuser face to ensure an even distribution of low velocity supply air.
- 3. Floor mounted displacement diffusers are especially designed to supply air at a very low velocity to minimize the potential for drafts and enhance occupant comfort.
- 4. Standard finish is AW Appliance White polyester powder coat.

AIR PATTERNS:







OPTIONS:

1. 14GP Heavy Duty 14 gauge (2.0) perforated face

DC Duct Cover
 DB Diffuser Base

4. Finish:

AL Aluminum SP Special

5. FMSD Flow Measuring Station with balancing damper

Unit Sizes (W x H)	Duct
24 x 24 (610 x 610)	8 (203)
24 x 36 (610 x 914)	8 (203)
24 x 48 (610 x 1219)	8 (203)
24 x 60 (610 x 1524)	8 (203)
24 x 72 (610 x 1829)	8 (203)
30 x 24 (762 x 610)	8 (203)
30 x 24 (762 x 610)	10 (254)
30 x 36 (762 x 914)	8 (203)
30 x 36 (762 x 914)	10 (254)
30 x 48 (762 x 1219)	10 (254)
30 x 60 (762 x 1524)	10 (254)
30 x 72 (762 x 1829)	10 (254)
36 x 24 (914 x 610)	8 (203)
36 x 24 (914 x 610)	12 (305)
36 x 36 (914 x 914)	12 (305)
36 x 48 (914 x 1219)	12 (305)
36 x 60 (914 x 1524)	12 (305)
36 x 72 (914 x 1829)	12 (305)



PERFORMANCE DATA Model: DFF1C • Floor Standing • Flat Face • Corner

Unit Size	Labor C'-		For Wileston	A*fl	Total	Static	Notes Catenda	Adjace	nt Zone		
W x H (inches)	Inlet Size (inches)		Face Velocity (FPM)	Airflow (CFM)	Pressure (in. w.g.)	Pressure (in. w.g.)	Noise Criteria NC	∆T= 5°F	ΔT= 10°F		
(inches)					_	_		Radius (ft)	Radius (ft)		
			20	73	0.010	0.007	-	6	8		
24 x 24	8	3.7	30 40	110 147	0.021 0.039	0.016 0.028	_	8 10	10 12		
			50	184	0.039	0.026	19	12	14		
			20	112	0.012	0.005	-	10	11		
24 x 36	8	5.6	30	168	0.027	0.012	_	12	14		
24 X 30		5.0	40	224	0.047	0.022	_	14	16		
			50	280	0.074	0.034	21	16	18		
		7.5	20 30	150 225	0.017 0.039	0.006 0.013	_	11 13	13 15		
24 x 48	8	7.5	40	300	0.039	0.013	_	15	17		
			50	376	0.109	0.037	23	17	19		
			20	188	0.017	_	_	13	15		
24 x 60	8	9.4	30	283	0.040	_	_	15	17		
24 X 00	•	7.4	40	377	0.070	-	19	17	19		
			50 20	471 227	0.110 0.024	_	26	19	21		
			30	340	0.024	_	_ _	14 16	15 18		
24 x 72	8	11.3	40	454	0.096	_	22	18	20		
			50	567	0.150	_	29	20	22		
			20	93	0.006	0.004	-	8	8		
30 x 24	10	4.6	30	139	0.014	0.010	-	10	10		
			40	185	0.024	0.017	-	11	12		
		7.1	50 20	232 141	0.038 0.009	0.027 0.004	_	12 9	14 12		
00 01	10		30	212	0.019	0.010	_	11	14		
30 x 36	10	10	7.1	40	282	0.035	0.018	_	13	16	
			50	353	0.054	0.028	18	14	18		
	10		20	189	0.012	0.005	-	12	14		
30 x 48		9.5	30	284	0.027	0.010	-	14	15		
			40 50	378 473	0.049 0.076	0.019 0.029	22	16 18	18 20		
			20	238	0.014	0.002		11	13		
20 40	10	11.0	30	356	0.031	0.004	_	13	15		
30 x 60	10	11.9	40	475	0.055	0.008	_	15	17		
			50	594	0.086	0.012	23	17	19		
	10		20	286	0.017	_	-	14	15		
30 x 72		10	10	10	14.3	30 40	429 572	0.038 0.067	_ _	_ 18	16 18
			50	715	0.104	_	25	20	22		
			20	112	0.004	0.003	_	8	8		
36 x 24	24 12 5.6	30	168	0.010	0.007	-	10	10			
JU X 24	14	J.0	40	224	0.017	0.012	-	11	12		
			50	280	0.027	0.019	-	12	14		
			20 30	170	0.008	0.005	-	9 11	12 14		
36 x 36	12	8.5	40	255 340	0.017 0.030	0.010 0.018	_	13	16		
			50	426	0.047	0.029	_	14	18		
			20	228	0.011	0.005	-	6	8		
36 x 48	12	11.4	30	343	0.024	0.012	-	8	10		
30 A 70	12	11.7	40	457	0.043	0.022	-	10	12		
			50	571	0.067	0.034	-	12	14		
			20 30	289 433	0.013 0.030	0.005 0.011	_	11 13	13 15		
36 x 60	12	14.4	40	577	0.052	0.019	_	15	17		
			50	722	0.082	0.029	18	17	19		
			20	345	0.016	0.004	-	14	15		
36 x 72	12	17.26	30	518	0.036	0.009	-	16	18		
VV A / L	'-	17.20	40	690	0.064	0.016	-	18	20		
			50	863	0.100	0.025	21	20	22		

- 1. Face velocity is in feet per minute, FPM.
- 2. Airflow is in cubic feet per minute, CFM.
- 3. Pressure is in inches water gauge, in. w.g.
- 4. NC (Noise Criteria) values are based on 10 dB room absorption, re 10⁻¹² watts. Dash (—) in space indicates a NC of less than 15.
- 5. Adjacent Zone size represents the throw distance in feet to a terminal velocity of 40 fpm measured at 1" above the floor.
- 6. ΔT is the temperature difference between the supply air and the room temperature measured at 42" above the floor.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70—2006 and the Nordtest Low Velocity Method NT VVS 083.



DFR90

FLOOR STANDING • 90° PATTERN • CORNER

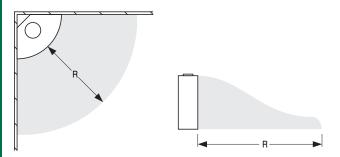
STEEL PERFORATED FACE

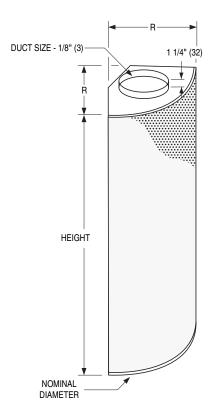
This diffuser stands on the floor and is typically mounted in the corner of a room. The diffuser is unobtrusive and will easily blend in with the surroundings of the room. It has a rounded perforated face that creates a low velocity 90 degree circular pattern that supplies the air along and near to the floor. The diffuser is available with a round top inlet. Optional inlet locations, finishes and other accessories are available.

DESCRIPTION:

- 1. Construction: Heavy gauge corrosion-resistant coated steel. Standard 18 ga.(1.3) perforated face has 3/32" (2.38) dia. holes on 3/16" (4.76) staggered centers, providing 23% free area.
- 2. An equalization baffle is provided behind the diffuser face to ensure an even distribution of low velocity supply air.
- 3. Floor mounted displacement diffusers are especially designed to supply air at a very low velocity to minimize the potential for drafts and enhance occupant comfort.
- 4. Standard finish is AW Appliance White polyester powder coat.

AIR PATTERNS:







OPTIONS:

1. 14GP Heavy Duty 14 gauge (2.0) perforated face

DC Duct Cover
 DB Diffuser Base

4. Finish:

AL Aluminum SP Special

5. FMSD Flow Measuring Station with balancing damper

DIMENSIONAL DATA:

Unit Size (Dia. x H)	R	Duct
18 x 24 (457 x 610)	9	4 (102)
18 x 36 (457 x 914)	9	6 (152)
24 x 24 (610 x 610)		
24 x 36 (610 x 914)	12	6 (152)
24 x 48 (610 x 1219)		
24 x 60 (610 x 1524)	12	8 (203)
30 x 24 (762 x 610)		
30 x 36 (762 x 914)	15	0 /2021
30 x 48 (762 x 1219)	13	8 (203)
30 x 60 (762 x 1524)		

R Radius = Nom. Diameter/2



PERFORMANCE DATA Model: DFR90 • Floor Standing • 90° Pattern • Corner

Unit Size	11.6		Face Velocity Airflow (FPM)	A+ fl	Total Pressure	Static Pressure	Noise Criteria	Adjacent Zone											
Dia. x H	Inlet Size (inches)	Core Area (ft2)		Airtlow (CFM)				DT= 5°F	DT= 10°F										
(inches)	(a.ios)	\ - /	\	(4.1)	(in. w.g.)	(in. w.g.)	NC	Radius (ft)	Radius (ft)										
			20	44	0.023	0.007	-	3	4										
18 x 24	4	2.2	30	66	0.051	0.016	16	4	4										
10 % 24		2.2	40	88	0.092	0.028	22	4	5										
			50	110	0.143	0.044	27	5	6										
			20	66	0.026	-	-	6	7										
18 x 36	6	3.3	30	99	0.059	_	19	7	8										
10 x 00		0.0	40	132	0.105	-	27	8	9										
			50	165	0.164	_	33	9	10										
			20	59	0.013	0.007	-	3	5										
24 x 24	6	3.0	30	89	0.030	0.017	-	4	7										
24 7 24		3.0	40	118	0.052	0.030	-	5	7										
			50	148	0.082	0.047	19	6	8										
			20	89	0.021	0.008	-	6	7										
24 x 36	6	4.5	30	134	0.048	0.018	-	7	9										
24 X 30	0	0	7.5	40	178	0.084	0.033	18	8	10									
			50	223	0.132	0.052	25	9	11										
													20	120	0.024	0.001	-	7	9
24 x 48	6	6.0	30	180	0.055	0.003	15	9	11										
24 7 40		0.0	40	240	0.098	0.005	22	11	13										
			50	300	0.153	0.007	29	13	15										
				20	150	0.024	-	-	8	10									
24 x 60	8	7.5	30	225	0.053	_	16	10	12										
24 x 00		7.5	40	300	0.094	-	25	12	14										
			50	375	0.147	_	32	14	16										
			20	74	0.010	0.007	-	3	4										
30 x 24	8	3.7	30	111	0.022	0.016	-	5	6										
30 X 24	0	3.7	40	148	0.040	0.028	-	7	8										
			50	185	0.062	0.044	17	9	10										
			20	112	0.020	0.013	-	8	10										
30 x 36	8	5.6	30	168	0.045	0.030	_	10	12										
30 X 30		5.0	40	224	0.079	0.054	-	12	14										
			50	280	0.124	0.084	20	14	16										
			20	151	0.023	0.011	-	8	11										
30 x 48	8	7.6	30	227	0.051	0.025	-	10	13										
JU X 40		7.0	40	302	0.091	0.044	15	12	15										
			50	378	0.142	0.069	23	14	17										
			20	189	0.025	0.007	-	10	13										
30 x 60	•	9.5	30	284	0.057	0.015	15	12	15										
30 X 00	8	7.5	40	378	0.100	0.027	21	14	17										
			50	473	0.157	0.043	27	16	19										

- 1. Face velocity is in feet per minute, FPM.
- 2. Airflow is in cubic feet per minute, CFM.
- 3. Pressure is in inches water gauge, in. w.g.
- 4. NC (Noise Criteria) values are based on 10 dB room absorption, re 10⁻¹² watts. Dash (—) in space indicates a NC of less than 15.
- Adjacent Zone size represents the throw distance in feet to a terminal velocity of 40 fpm measured at 1" above the floor.
- 6. ΔT is the temperature difference between the supply air and the room temperature measured at 42" above the floor.
- 7. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70—2006 and the Nordtest Low Velocity Method NT VVS 083.



DFR180

FLOOR STANDING • 180° PATTERN • WALL PILLAR

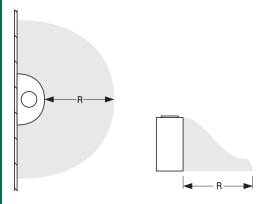
STEEL PERFORATED FACE

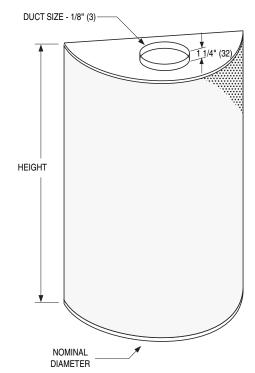
This diffuser stands on the floor and is typically mounted directly to a wall or pillar. The diffuser is unobtrusive and will easily blend in with the surroundings of the room. It has a rounded perforated face that creates a low velocity 180 degree circular pattern that supplies the air along and near to the floor. The diffuser is available with a round top inlet. Optional inlet locations, finishes and other accessories are available.

DESCRIPTION:

- 1. Construction: Heavy gauge corrosion-resistant coated steel. Standard 18 ga. (1.3) perforated face has 3/32" (2.38) dia. holes on 3/16" (4.76) staggered centers, providing 23% free area.
- 2. An equalization baffle is provided behind the diffuser face to ensure an even distribution of low velocity supply air.
- Floor mounted displacement diffusers are especially designed to supply air at a very low velocity to minimize the potential for drafts and enhance occupant comfort.
- 4. Standard finish is AW Appliance White polyester powder coat.

AIR PATTERNS:







OPTIONS:

1. 14GP Heavy Duty 14 gauge (2.0) perforated face

DC Duct Cover
 DB Diffuser Base

4. Finish:

AL Aluminum SP Special

5. FMSD Flow Measuring Station with balancing damper

Unit Size (Dia. x H)	Duct Size
18 x 24 (457 x 610)	6 (152)
18 x 36 (457 x 914)	6 (152)
18 x 36 (457 x 914)	10 x 4 (254 x 102)
18 x 48 (457 x 1219)	6 (152)
18 x 48 (457 x 1219)	10 x 4 (254 x 102)
24 x 24 (610 x 610)	8 (203)
24 x 36 (610 x 914)	8 (203)
24 x 48 (610 x 1219)	8 (203), 9 (229)
24 x 60 (610 x 1524)	9 (229)
24 x 60 (610 x 1524)	16 x 5 (406 x 127)
30 x 24 (762 x 610)	8 (203), 10 (254)
30 x 36 (762 x 914)	8 (203), 10 (254)
30 x 48 (762 x 1219)	10 (254), 12 (305)
30 x 60 (762 x 1524)	12 (305)
30 x 60 (762 x 1524)	20 x 6 (508 x 152)



PERFORMANCE DATA Model: DFR180 • Floor Standing • 180° Pattern • Wall/Pillar

Unit Size	Inlet Size (inches)		F V I	A+ f1	Airflow (CFM) Total Pressure	Static Pressure	Noise Criteria	Adjacent Zone						
Dia. x H			Face Velocity (FPM)					∆T= 5°F	Δ T = 10°F					
(inches)	(a.				(in. w.g.)	(in. w.g.)		Radius (ft)	Radius (ft)					
			20	88	0.017	0.004	-	3	3					
18 x 24	6	4.4	30	132	0.038	0.010	17	3	4					
			40	176	0.067	0.017	24	4	5					
			50	220	0.105	0.027	27	5	6					
			20	132	0.025	0.011	15	3	4					
18 x 36	10 x 4	6.6	30	198	0.057	0.025	21	4	5					
			40	264	0.101	0.045	25	5	6					
			50	330	0.158	0.070	31	6	6					
	6		20	178	0.066	0.015	15	4	4					
18 x 48		8.9	30	267	0.151	0.035	27	4	5					
	10 x 4		40	356	0.142	0.040	36	5	6					
			50 20	445 118	0.222 0.013	0.062	44	3	5					
			30	118	0.013	0.006 0.012	15	4	6					
24 x 24	8	5.9	40	236	0.026	0.012	19	5	7					
			50	295	0.031	0.022	23	5	8					
			20	178	0.077	0.001	_	5	6					
			30	267	0.040	0.003	18	5	7					
24 x 36	8	8.9	40	356	0.070	0.006	24	6	7					
			50	445	0.110	0.009	27	7	9					
			20	240	0.026	0.008	15	5	6					
			30	360	0.058	0.017	20	6	7					
24 x 48	9	12.0	40	480	0.104	0.030	26	7	8					
			50	600	0.162	0.047	31	8	10					
								20	300	0.029	0.011	15	6	7
		15.0	30	450	0.066	0.025	21	6	8					
24 x 60	16 x 5		40	600	0.117	0.044	29	7	9					
			50	750	0.183	0.069	37	8	10					
			20	148	0.019	0.008	-	5	6					
30 x 24	8	7.4	30	222	0.043	0.018	15	6	7					
30 X 24	0	7.4	40	296	0.077	0.032	20	6	8					
			50	370	0.120	0.050	24	7	9					
			20	224	0.018	0.008	-	6	7					
30 x 36	10	11.2	30	336	0.041	0.017	17	6	8					
30 X 30	10	11.2	40	448	0.072	0.030	24	7	9					
			50	560	0.113	0.047	28	8	10					
	10		20	302	0.029	0.010	-	7	8					
30 x 48		15.1	30	453	0.065	0.023	15	7	9					
A 10			40	604	0.116	0.040	25	8	10					
			50	755	0.180	0.061	33	9	10					
			20	378	0.028	0.014	15	7	9					
30 x 60	12	18.9	30	567	0.063	0.031	21	7	10					
			40	756	0.112	0.054	28	8	11					
			50	945	0.175	0.085	33	9	12					

- 1. Face velocity is in feet per minute, FPM.
- 2. Airflow is in cubic feet per minute, CFM.
- 3. Pressure is in inches water gauge, in. w.g.
- 4. NC (Noise Criteria) values are based on 10 dB room absorption, re 10⁻¹² watts. Dash (—) in space indicates a NC of less than 15.
- 5. Adjacent Zone size represents the throw distance in feet to a terminal velocity of 40 fpm measured at 1" above the floor.
- 6. ΔT is the temperature difference between the supply air and the room temperature measured at 42" above the floor.
- 7. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70—2006 and the Nordtest Low Velocity Method NT VVS 083.



DFR180H

FLOOR STANDING • 180° PATTERN • WALL PILLAR HIGH CAPACITY

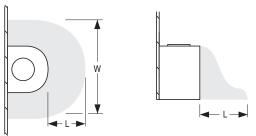
STEEL PERFORATED FACE

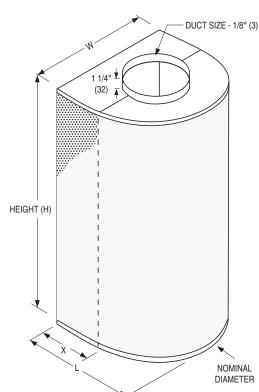
This diffuser is U shaped and can handle a large capacity of air. The diffuser stands on the floor and is typically mounted directly to a wall or pillar. The diffuser is unobtrusive and will easily blend in with the surroundings of the room. It has a rounded perforated face that creates a low velocity 180 degree circular pattern that supplies the air along and near to the floor. The diffuser is available with a round top inlet. Optional inlet locations, finishes and other accessories are available.

DESCRIPTION:

- 1. Construction: Heavy gauge corrosion-resistant coated steel. Standard 18 ga. (1.3) perforated face has 3/32" (2.38) dia. holes on 3/16" (4.76) staggered centers, providing 23% free area.
- 2. An equalization baffle is provided behind the diffuser face to ensure an even distribution of low velocity supply air.
- 3. Floor mounted displacement diffusers are especially designed to supply air at a very low velocity to minimize the potential for drafts and enhance occupant comfort.
- 4. Standard finish is AW Appliance White polyester powder coat.

AIR PATTERNS:







OPTIONS:

1. 14GP Heavy Duty 14 gauge (2.0) perforated face

DC Duct Cover
 DB Diffuser Base

4. Finish:

AL Aluminum SP Special

5. FMSD Flow Measuring Station with balancing damper

Unit Size (Dia. x H)	L	Duct Size		
12 x 24 (305 x 610)				
12 x 36 (305 x 914)	12 (305)	8 (203)		
12 x 48 (305 x 1219)				
18 x 24 (457 x 610)				
18 x 36 (457 x 914)	18 (457)	12 (305)		
18 x 48 (457 x 1219)	10 (43/)	12 (303)		
18 x 60 (457 x 1524)				
24 x 24 (610 x 610)				
24 x 36 (610 x 914)	24 (610)	16 (406)		
24 x 48 (610 x 1219)	24 (010)	10 (400)		
24 x 60 (610 x 1524)				
30 x 24 (762 x 610)				
30 x 36 (762 x 914)	30 (762)	20 (508)		
30 x 48 (762 x 1219)				
36 x 24 (914 x 610)				
36 x 36 (914 x 914)	36 (914)	24 (610)		
36 x 48 (914 x 1219)				



DFR360

FLOOR STANDING • 360° PATTERN • FREE STANDING

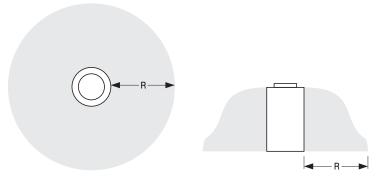
STEEL PERFORATED FACE

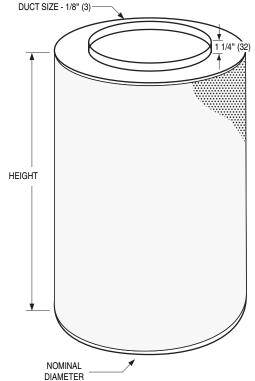
This freestanding diffuser is fully round in shape and is typically mounted within a pillar for a very discreet architectural look. The diffuser is unobtrusive and will easily blend in with the surroundings of the room. It has a fully round perforated face that creates a low velocity 360 degree circular pattern that supplies air along and close to the floor. The diffuser is available with a round top inlet. Optional inlet locations, finishes and other accessories are available.

DESCRIPTION:

- 1. Construction: Heavy gauge corrosion-resistant coated steel. Standard 18 ga.(1.3) perforated face has 3/32" (2.38) dia. holes on 3/16" (4.76) staggered centers, providing 23% free area.
- 2. An equalization baffle is provided behind the diffuser face to ensure an even distribution of low velocity supply air.
- Floor mounted displacement diffusers are especially designed to supply air at a very low velocity to minimize the potential for drafts and enhance occupant comfort.
- 4. Standard finish is AW Appliance White polyester powder coat.

AIR PATTERNS:







OPTIONS:

1. 14GP Heavy Duty 14 gauge (2.0) perforated face

2. DC Duct Cover

3. DB Diffuser Base

4. Duct Hanging Option:

(See Pages 20 & 21 for dimensional & performance data).

DHS Single Inlet
DHD Dual Inlet

5. Finish:

AL Aluminum SP Special

6. FMSD Flow Measuring Station with balancing damper

Unit Size (Dia. x H)	Duct Size
12 x 24 (305 x 610)	8 (203)
18 x 24 (457 x 610)	
18 x 36 (457 x 914)	
18 x 48 (457 x 1219)	14 (356)
24 x 24 (610 x 610)	
24 x 36 (610 x 914)	
24 x 48 (610 x 1219)	14 (356), 16 (406)
24 x 60 (610 x 1524)	16 (406), 18 (457)
30 x 24 (762 x 610)	14 (356)
30 x 36 (762 x 914)	14 (356), 16 (406)
30 x 48 (762 x 1219)	16 (406)
30 x 60 (762 x 1524)	18 (457)



PERFORMANCE DATA Model: DFR360 • Floor Standing • 360° Pattern • Free Standing

11 % 6%						g		Adjacent Zone								
VIQ. X Π /:	Inlet Size (inches)	Core Area (ft²)	Face Velocity (FPM)	Airflow (CFM)	Total Pressure	Static Pressure	Noise Criteria NC	∆T= 5°F	Δ T = 10°F							
(inches)			, ,	• •	(in. w.g.)	(in. w.g.)		Radius (ft)	Radius (ft)							
			20	120	0.018	0.011	-	2	2							
12 x 24	8	6	30	180	0.040	0.024	-	3	3							
12 / 27			40	240	0.072	0.042	16	4	4							
			50	300	0.112	0.066	21	4	5							
			20	180	0.007	0.005	-	3	3							
18 x 24	14	9	30	270	0.015	0.011	-	3	4							
10 A 24		_ ′	40	360	0.027	0.020	17	4	5							
			50	450	0.042	0.031	22	5	6							
			20	274	0.008	0.004	-	3	5							
18 x 36	14	13.7	30	411	0.019	0.010	_	4	6							
10 X 30	1.7	13.7	40	548	0.034	0.018	18	5	7							
			50	685	0.053	0.027	23	6	7							
			20	368	0.012	0.005	-	6	7							
18 x 48	14	18.4	30	552	0.028	0.011	_	7	8							
10 X 40	1.7	10.4	40	736	0.050	0.020	18	8	9							
			50	920	0.076	0.032	23	9	10							
			20	240	0.007	0.004	-	3	4							
24 x 24	14	14	14	12	30	360	0.016	0.009	-	4	5					
27 X 27	17	12	40	480	0.029	0.016	17	5	7							
			50	600	0.045	0.025	22	5	8							
			20	366	0.013	0.006	-	5	6							
24 x 36	14	18.3	30	549	0.030	0.014	-	5	7							
24 X 30	14	10.3	40	732	0.054	0.025	18	6	7							
			50	915	0.084	0.038	23	7	9							
	14	14	14		20	492	0.016	0.003	-	5	6					
24 x 48				1/	1.4	1.4	14	14	14	14	14	24.6	30	738	0.037	0.007
24 X 40	14	24.0	40	984	0.066	0.013	19	7	8							
			50	1230	0.103	0.020	24	8	10							
	16 3		20	618	0.017	0.004	-	7	7							
24 x 60		30.9	30	927	0.037	0.010	-	8	8							
24 X 00		30.7	40	1236	0.067	0.018	19	9	9							
			50	1545	0.104	0.028	24	10	11							
			20	302	0.012	0.007	-	3	4							
30 x 24	14	15.1	30	453	0.028	0.016	_	4	5							
30 X 24	14	13.1	40	604	0.049	0.029	17	6	8							
			50	755	0.076	0.045	22	6	8							
			20	458	0.017	0.005	-	6	7							
20 24	14	22.9	30	687	0.038	0.012	_	6	8							
30 x 36	14	22.9	40	916	0.067	0.022	19	7	9							
			50	1145	0.105	0.033	24	8	10							
			20	616	0.017	0.005	-	5	7							
30 x 48	16	30.8	30	924	0.038	0.010	-	7	9							
JU X 40		30.0	40	1232	0.067	0.019	19	9	11							
			50	1540	0.105	0.029	24	11	13							
			20	772	0.017	0.005	-	7	8							
20 40	10	20 4	30	1158	0.038	0.011	-	8	10							
30 x 60	18	38.6	40	1544	0.067	0.020	19	10	11							
			50	1930	0.105	0.031	24	13	15							

- 1. Face velocity is in feet per minute, FPM.
- 2. Airflow is in cubic feet per minute, CFM.
- 3. Pressure is in inches water gauge, in. w.g.
- 4. NC (Noise Criteria) values are based on 10 dB room absorption, re 10⁻¹² watts. Dash (—) in space indicates a NC of less than 15.
- 5. Adjacent Zone size represents the throw distance in feet to a terminal velocity of 40 fpm measured at 1" above the floor.
- 6. ΔT is the temperature difference between the supply air and the room temperature measured at 42" above the floor.
- 7. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70—2006 and the Nordtest Low Velocity Method NT VVS 083.



DFR360DH

360° PATTERN • DUCT HANGING

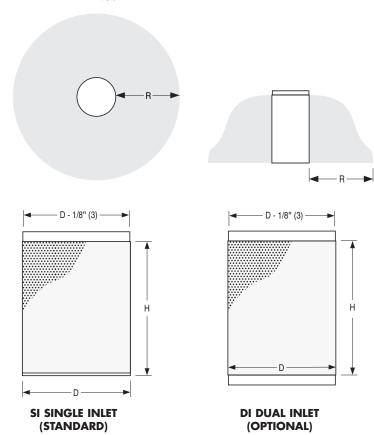
STEEL PERFORATED FACE

This duct hanging diffuser is fully round in shape and is typically mounted within a pillar for a very discreet architectural look. The diffuser is unobtrusive and will easily blend in with the surroundings of the room. It has a fully round perforated face that creates a low velocity 360 degree circular pattern that supplies air along and close to the floor. The diffuser is supplied as standard with a round single inlet. Optional dual inlet, finishes and other accessories are available.

DESCRIPTION:

- 1. Construction: Heavy gauge corrosion-resistant coated steel. Standard 18 ga.(1.3) perforated face has 3/32" (2.38) dia. holes on 3/16" (4.76) staggered centers, providing 23% free area.
- 2. An equalization baffle is provided behind the diffuser face to ensure an even distribution of low velocity supply air.
- These displacement diffusers are especially designed to supply air at a very low velocity to minimize the potential for drafts and enhance occupant comfort.
 - The DFR360DH is a special application version of the DFR360 as it is designed to be installed off the floor, either in or above the occupied space. The cool air falls to the floor where it spreads horizontally.
- 4. Standard finish is AW Appliance White polyester powder coat.

AIR PATTERNS:





OPTIONS:

1. SI Single Inlet (standard)

2. DI Dual Inlet

3. 14GP Heavy Duty 14 gauge (2.0) perforated face

4. Finish:

AL Aluminum SP Special

5. FMSD Flow Measuring Station with balancing damper (18" [457] is maximum size).

Unit Size (Dia. x H)	Duct Size
12 x 24 (305 x 610)	12 (305)
18 x 24 (457 x 610)	
18 x 36 (457 x 914)	18 (475)
18 x 48 (457 x 1219)	
24 x 24 (610 x 610)	
24 x 36 (610 x 914)	24 (610)
24 x 48 (610 x 1219)	24 (010)
24 x 60 (610 x 1524)	
30 x 24 (762 x 610)	
30 x 36 (762 x 914)	20 (742)
30 x 48 (762 x 1219)	30 (762)
30 x 60 (762 x 1524)	



DWF1

INTERNAL WALL MOUNT • FLAT FACE

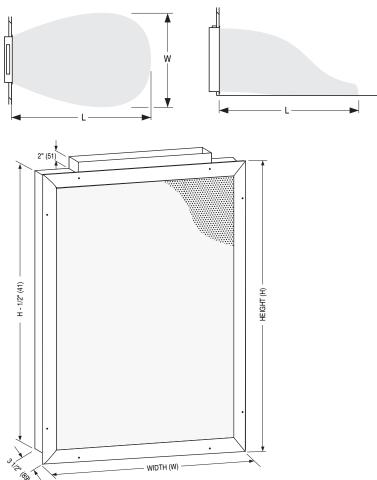
STEEL PERFORATED FACE

This rectangular diffuser is typically installed internally between the studs of a wall for a very discreet architectural look. It has a flat perforated face that creates a low velocity 1-way pattern that supplies air along and near to the floor. The diffuser face has an unobtrusive design and is removable for easy cleaning. It is supplied as standard with a rectangular top inlet. Optional inlet locations, finishes and other accessories are available.

DESCRIPTION:

- 1. Construction: Heavy gauge corrosion-resistant coated steel plenum. Extruded aluminum diffuser frame mechanically interlocked with reinforced mitered corners for strength. Standard 18 ga. (1.3) perforated face has 3/32" (2.38) dia. holes on 3/16" (4.76) staggered centers, providing 23% free area. Removable face for easy installation.
- 2. An equalization baffle is provided behind and secured to the diffuser face to ensure an even distribution of low velocity air.
- Internal wall mount displacement diffusers are especially designed to supply air at a very low velocity to minimize the potential for drafts and enhance occupant comfort.
- 4. Surface mount frame has a 1 1/4" (32) face border and a 1" (25) overlap margin.
- 5. Standard fastening is Type A countersunk screw holes for surface mount.
- 6. Standard finish is AW Appliance White polyester powder coat.

AIR PATTERNS:

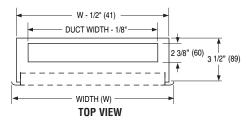


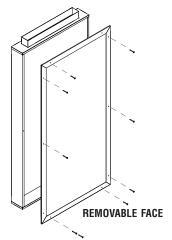


OPTIONS:

- 1. 14GP Heavy Duty 14 gauge (2.0) perforated face
- 2. Finish:

AL Aluminum SP Special





Unit Size (W x H)	Duct
24 x 24 (610 x 610)	18 x 2.5 (457 x 64)
24 x 30 (610 x 762)	18 x 2.5 (457 x 64)
24 x 36 (610 x 914)	18 x 2.5 (457 x 64)
24 x 48 (610 x 1219)	20 x 2.5 (508 x 64)
30 x 24 (762 x 610)	18 x 2.5 (457 x 64)
36 x 24 (914 x 610)	18 x 2.5 (457 x 64)
48 x 24 (1219 x 610)	24 x 2.5 (610 x 64)

W x H = Diffuser Overall Face



PERFORMANCE DATA Model: DWF1 • Internal Wall Mount • Flat Face

Unit Size	11.6		F V I :	A+ fl	Total	Static	Noise	Adjacent Zone					
WxH	Inlet Size (inches)	Core Area (ft²)	Face Velocity (FPM)	Airflow (CFM)	Pressure	Pressure	Criteria	Δ T =	: 5°F	Δ T =	10°F		
(inches)	(iliciios)		(11111)	(4.11.)	(in. w.g.)	(in. w.g.)	NC	Length (ft)	Width (ft)	Length (ft)	Width (ft)		
			20	64	0.009	0.006	-	3	5	3	7		
24 x 24	18 x 2.5	3.2	30	96	0.020	0.014	_	7	7	7	9		
27 7 27	10 X 2.3	3.2	40	128	0.036	0.025	_	12	9	11	11		
			50	160	0.056	0.040	_	16	11	15	13		
			20	82	0.012	0.008	-	4	7	4	10		
24 x 30	18 x 2.5	4.1	30	123	0.027	0.018	_	9	9	9	12		
24 7 30	10 X 2.3	7.1	40	164	0.049	0.031	-	14	10	13	14		
			50	205	0.076	0.049	_	18	12	17	16		
			20	100	0.013	0.007	-	7	8	7	10		
24 x 36	18 x 2.5	5.0	30	150	0.030	0.016	_	11	10	11	13		
24 8 30	10 X 2.3	3.0	40	200	0.054	0.028	-	17	11	16	15		
			50	250	0.084	0.044	21	21	13	20	17		
			20	136	0.013	0.003	-	10	10	9	12		
24 x 48	20 x 2.5	6.8	30	204	0.029	0.007	_	14	11	13	13		
24 7 40		0.0	40	272	0.051	0.013	-	18	12	17	14		
			50	340	0.080	0.020	17	22	13	21	15		
		5 4.1	20	82	0.012	0.008	_	3	8	3	11		
30 x 24	18 x 2.5		30	123	0.027	0.081	_	8	10	8	13		
00 X 21	10 1 2.3	10 X 2.3		40	164	0.049	0.031	_	13	11	12	15	
			50	205	0.076	0.049	16	17	13	16	17		
			20	100	0.013	0.007	_	6	9	6	11		
36 x 24	18 x 2.5	5.0	30	150	0.030	0.016	_	10	11	10	14		
00 X 21	10 7 2.3	3.0	40	200	0.054	0.028	_	16	12	15	16		
			50	250	0.084	0.044	21	20	14	19	18		
			20	136	0.018	0.011	-	9	11	8	13		
48 x 24	24 x 2.5	6.8	30	204	0.040	0.025	_	13	12	12	14		
10 7 2 1			40	272	0.070	0.044	-	17	13	16	15		
			50	340	0.110	0.068	19	21	14	20	16		

- 1. Face velocity is in feet per minute, FPM.
- 2. Airflow is in cubic feet per minute, CFM.
- 3. Pressure is in inches water gauge, in. w.g.
- 4. NC (Noise Criteria) values are based on 10 dB room absorption, re 10^{-12} watts. Dash (—) in space indicates a NC of less than 15.
- 5. Adjacent Zone size represents the throw distance in feet to a terminal velocity of 40 fpm measured at 1" above the floor.
- 6. ΔT is the temperature difference between the supply air and the room temperature measured at 42" above the floor.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70—2006 and the Nordtest Low Velocity Method NT VVS 083.



DWR1

RISER/RECESSED • WALL MOUNT • FLAT FACE

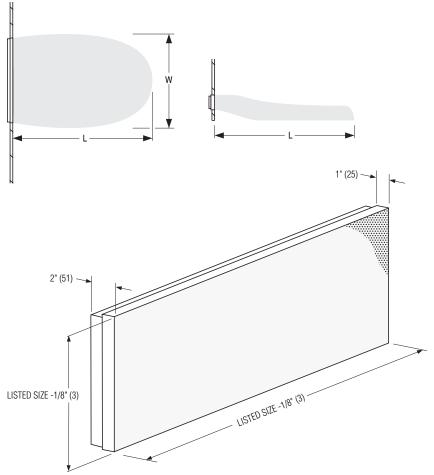
STEEL PERFORATED FACE

This diffuser has no flanges and can be flush mounted in a wall or within a stair riser. It has a perforated flat face that creates a low velocity 1-way air pattern that supplies air parallel to the floor. The diffuser is complete with spring clips on the frame for ease of installation. They are best used in non ducted applications when the wall or riser is pressurized. Optional finishes and other accessories are available.

DESCRIPTION:

- 1. Construction: Heavy gauge Corrosion-resistant coated steel. Standard 18 ga. (1.3) perforated face plate has 3/32" (2.38) dia. holes on 3/16" (4.76) staggered centers, providing 23% free area.
- An equalization baffle is provided behind and secured to the diffuser face to ensure an even distribution of low velocity air.
- Riser/Recessed in-wall mounted displacement diffusers are especially designed to supply air at a very low velocity to minimize the potential for drafts and enhance occupant comfort.
- 4. Minimum size is 6" \times 4" (152 \times 102). Maximum size is 90" \times 42" (2286 \times 1067).
- 5. Diffuser is supplied with mounting frame for spring clip mounting into wall or riser opening.
- 6. Standard finish is AW Appliance White polyester powder coat.

AIR PATTERNS:



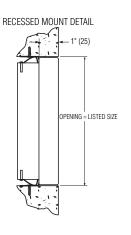


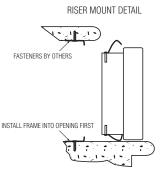
OPTIONS:

1. 14GP Heavy Duty 14 gauge (2.0) perforated face

2. Finish:

BK Black AL Aluminum SP Special







PERFORMANCE DATA Model: DWR1 • Riser/Recessed • Wall Mount • Flat Face

Unit Size W x H		F 1/ 1 1	A	. Static		Adjacent Zone				
	Core Area (ft²)	Face Velocity (FPM)	Airflow (CFM)	Pressure	Noise Criteria NC	∆T= 5°F		Δ T =	10°F	
(inches)		(IIIM)		(in. w.g.)	IIC	Length (ft)	Width (ft)	Length (ft)	Width (ft)	
		20	13	0.001	-	2	2	2	2	
24 x 4	0.64	30	19	0.002	_	4	2	6	3	
24 X 4		40	26	0.004	_	7	2	9	3	
		50	32	0.006	_	10	2	12	4	
	0.07	20	19	0.001	_	2	2	3	2	
04 /		30	29	0.001	_	5	2	7	2	
24 x 6	0.97	40	39	0.002	_	9	2	10	2	
		50	49	0.004	_	11	2	13	3	
		20	26	0.001	_	3	2	4	2	
04 0	1.01	30	39	0.002	_	6	2	8	2	
24 x 8	1.31	40	52	0.004	_	9	2	11	2	
		50	65	0.006	_	12	2	14	3	
		20	16	-	_	2	3	4	4	
	0.00	30	24	0.001	_	6	3	8	4	
30 x 4	0.80	40	32	0.001	_	9	3	11	4	
		50	40	0.002	_	11	4	14	5	
	1.22	20	24	0.001	_	3	3	5	3	
00 /		30	37	0.002	_	7	3	9	3	
30 x 6	1.22	40	49	0.003	_	11	3	12	4	
		50	61	0.005	_	14	3	15	4	
		20	33	0.002	_	3	3	6	3	
00 0	1.40	30	49	0.004	_	7	3	10	3	
30 x 8	1.63	40	65	0.006	_	11	3	13	3	
		50	82	0.010	_	15	3	17	4	
		20	19	0.001	_	3	3	7	5	
0, 4	0.07	30	29	0.001	_	6	4	10	6	
36 x 4	0.97	40	39	0.002	_	10	5	12	6	
		50	48	0.004	_	14	5	15	6	
		20	29	0.001	_	5	3	7	4	
0, ,	1.46	30	44	0.003	_	8	3	10	4	
36 x 6		40	59	0.005	_	12	4	15	4	
		50	73	0.008	_	16	4	18	5	
		20	39	0.002	_	6	3	8	3	
		30	59	0.005	_	9	3	12	4	
36 x 8	1.96	40	78	0.009	_	12	3	16	4	
		50	98	0.014	_	17	3	19	4	

- 1. Face velocity is in feet per minute, FPM.
- 2. Airflow is in cubic feet per minute, CFM.
- 3. Pressure is in inches water gauge, in. w.g.
- NC (Noise Criteria) values are based on 10 dB room absorption, re 10⁻¹² watts. Dash (—) in space indicates a NC of less than 15.
- 5. Data is based upon pressurized plenum application (non ducted) with no plenum effect for pressure or sound. Plenums should be sized to achieve even velocity across the diffuser
- face. Keep duct inlet velocities below 700 fpm in order to maintain catalogued performance.
- 6. Adjacent Zone size represents the throw distance in feet to a terminal velocity of 40 fpm measured at 1" above the floor.
- 7. ΔT is the temperature difference between the supply air and the room temperature measured at 42" above the floor.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70—2006 and the Nordtest Low Velocity Method NT VVS 083.



DWG1

SIDE WALL MOUNT • GRILLE TYPE

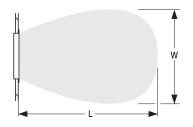
STEEL PERFORATED FACE

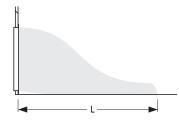
This diffuser is very similar to a grille because of its grille style frame. It is easily mounted flush to a wall in a low position. The diffuser includes an internal baffle and has flat face that creates a low velocity 1-way air pattern that travels across and near to the floor. A wide variety of sizes, finishes, and the ease of installation make this diffuser a simple choice.

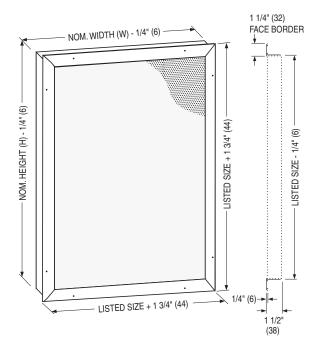
DESCRIPTION:

- Construction: Extruded aluminum diffuser frame mechanically interlocked with reinforced mitered corners for strength. Standard 18 ga. (1.3) corrosion-resistant coated steel perforated face has 3/32" (2.38) dia. holes on 3/16" (4.76) staggered centers, providing 23% free area.
- 2. An equalization baffle is provided behind and secured to the diffuser face to ensure an even distribution of low velocity supply air.
- Wall mounted displacement diffusers are especially designed to supply air at a very low velocity to minimize the potential for drafts and enhance occupant comfort.
- 4. Standard sizes are shown. Custom sizes are available.
- 5. Surface mount frame has a 1 1/4" (32) face border and a 1" (25) overlap margin.
- 6. Standard fastening is Type A countersunk screw holes for surface mount.
- 7. Standard finish is AW Appliance White polyester powder coat.

AIR PATTERNS:









OPTIONS:

1. 14GP Heavy Duty 14 gauge (2.0) perforated face

2. Finish:

AL Aluminum SP Special

Fastening: Type N None

4. PF Plaster Sub-Frame

Unit Size (Dia. x H)
15 x 24 (381 x 610)
15 x 30 (381 x 762)
15 x 36 (381 x 914)
15 x 48 (381 x 1219)
24 x 24 (610 x 610)
24 x 30 (610 x 762)
24 x 36 (610 x 914)
24 x 48 (610 x 1219)
24 x 60 (610 x 1524)
24 x 72 (610 x 1829)
30 x 24 (762 x 610)
36 x 24 (914 x 610)
36 x 36 (914 x 914)
36 x 48 (914 x 1219)
36 x 60 (914 x 1524)
48 x 24 (1219 x 610)
48 x 36 (1219 x 914)
60 x 36 (1524 x 914)



PERFORMANCE DATA Model: DWG1 • Sidewall Mount • Grille Type

Part C-	Core Area (ft²)		Airflow (CFM)	Static Pressure (in. w.g.)	Noise Criteria	Adjacent Zone			
Listed Size W x H (inches)		Face Velocity (FPM)				$\Delta T = 5^{\circ}F$ $\Delta T = 10^{\circ}F$			10°F
								Length (ft)	
		20				J		J	
		30							
15 x 24		40							
		50							
		20							
15 20		30							
15 x 30		40							
		50							
		20							
15 x 36		30							
13 X 30		40							
		50							
		20							
15 x 48		30							
13 X 40		40							
		50							
	3.79	20	76	0.004	-	7	5	9	9
24 x 24		30	114	0.009	_	11	7	12	10
24 X 24		40	152	0.016	-	12	9	13	11
		50	190	0.025	_	16	11	17	13
	4.77	20	95	0.005	-	4	7	4	10
24 x 30		30	143	0.010	_	9	9	9	11
24 X 30		40	191	0.019	_	14	10	14	12
		50	239	0.029	_	18	12	18	14
	5.74	20	115	0.005	_	7	8	7	10
24 x 36		30	172	0.012	_	11	10	11	12
24 X 30		40	230	0.022	_	17	11	17	13
		50	287	0.034	_	21	13	21	15
	7.69	20	154	0.007	-	9	10	10	12
24 x 48		30	231	0.015	_	13	12	14	15
24 X 40		40	308	0.027	15	16	14	18	16
		50	385	0.042	20	20	15	21	17
		20							
24 x 60		30							
		40							
		50							
		20							
24 x 72		30							
24 8 7 2		40							
		50							

- 1. Face velocity is in feet per minute, FPM.
- 2. Airflow is in cubic feet per minute, CFM.
- 3. Pressure is in inches water gauge, in. w.g.
- NC (Noise Criteria) values are based on 10 dB room absorption, re 10¹² watts. Dash (—) in space indicates a NC of less than 15.
- Data is based upon pressurized plenum application (non ducted) with no plenum effect for pressure or sound. Plenums should be sized to achieve even velocity across the diffuser
- face. Keep duct inlet velocities below 700 fpm in order to maintain catalogued performance.
- 6. Adjacent Zone size represents the throw distance in feet to a terminal velocity of 40 fpm measured at 1" above the floor.
- AT is the temperature difference between the supply air and the room temperature measured at 42" above the floor.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70—2006 and the Nordtest Low Velocity Method NT VVS 083.



PERFORMANCE DATA Model: DWG1 • Sidewall Mount • Grille Type

Listed Size	Core Area (ft²)	Face Velocity (FPM)	Airflow (CFM)	Static Pressure (in. w.g.)	Noise Criteria NC	Adjacent Zone			
WxH						ΔT= 5°F		ΔT= 10°F	
(inches)						Length (ft)	Width (ft)	Length (ft)	Width (ft)
	4.77	20	95	0.005	-	3	8	3	10
30 x 24		30	143	0.010	_	8	10	8	12
30 X 24		40	191	0.019	-	13	11	13	13
		50	239	0.029	_	17	13	17	15
		20	115	0.005	-	6	9	6	11
36 x 24	5.74	30	172	0.012	_	10	11	10	13
30 X 24	J./ 4	40	230	0.022	-	16	12	16	14
		50	287	0.034	_	20	13	20	14
		20							
36 x 36		30							
30 X 30		40							
		50							
		20							
36 x 48		30							
30 X 40		40							
		50							
		20							
24 40		30							
36 x 60		40							
		50							
	7.69	20	154	0.007	-	12	6	15	10
48 x 24		30	231	0.015	-	16	8	17	12
40 X Z4		40	308	0.027	15	18	9	18	15
		50	385	0.042	20	21	11	22	16
		20	233	0.010	-	13	8	16	12
40 - 27	11.64	30	349	0.022	_	17	10	20	15
48 x 36		40	465	0.038	16	20	12	22	16
		50	582	0.060	21	23	13	24	17
	14.59	20	292	0.014	-	14	9	18	13
/O 2/		30	438	0.031	_	20	11	21	14
60 x 36		40	584	0.054	17	22	12	24	17
		50	729	0.085	23	24	15	26	18

- 1. Face velocity is in feet per minute, FPM.
- 2. Airflow is in cubic feet per minute, CFM.
- 3. Pressure is in inches water gauge, in. w.g.
- NC (Noise Criteria) values are based on 10 dB room absorption, re 10¹² watts. Dash (—) in space indicates a NC of less than 15.
- Data is based upon pressurized plenum application (non ducted) with no plenum effect for pressure or sound. Plenums should be sized to achieve even velocity across the diffuser
- face. Keep duct inlet velocities below 700 fpm in order to maintain catalogued performance.
- Adjacent Zone size represents the throw distance in feet to a terminal velocity of 40 fpm measured at 1" above the floor.
- ΔT is the temperature difference between the supply air and the room temperature measured at 42" above the floor.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70—2006 and the Nordtest Low Velocity Method NT VVS 083.



DCF1 TYPE L

CEILING MOUNT • FLAT FACE

STEEL PERFORATED FACE

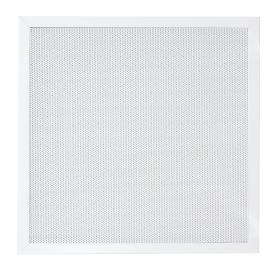
This diffuser can be easily installed in a standard T-bar Lay-in suspended ceiling. It has a perforated flat face that creates a low velocity 1-way air pattern that supplies cooled air down to the occupied space. The diffuser has an internal equalization baffle and a steel plenum with a round top inlet. The standard finish is AW Appliance White to match the T-Bar, optional finishes are available.

DESCRIPTION:

- Construction: Heavy gauge corrosion-resistant coated steel plenum. Extruded aluminum diffuser frame mechanically interlocked with reinforced mitered corners for strength. Standard 18 ga. (1.3) perforated face has 3/32" (2.38) dia. holes on 3/16" (4.76) staggered centers, providing 23% free area.
- 2. An equalization baffle is provided behind and secured to the diffuser face to ensure an even distribution of low velocity air.
- 3. These ceiling mounted displacement diffusers are especially designed to supply air at a low velocity from a suspended ceiling installation. The DCF1 discharges air evenly across the face in a laminar flow manner with minimal turbulence or induction of room air. The cool supply air flows from the ceiling down to the floor, where it disperses and displaces warmer room air.
- 4. Standard finish is AW Appliance White polyester powder coat.

AIR PATTERN:





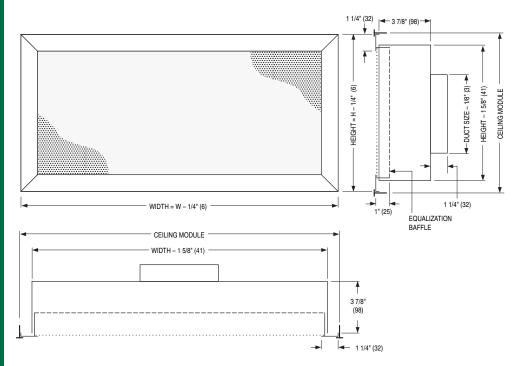
OPTIONS:

1. 14GP Heavy Duty 14 gauge (2.0) perforated face

2. Finish:

AL Aluminum SP Special

Unit Size (W x H)	Duct Size
24 x 12 (610 x 305)	6, 8 (152, 203)
24 x 24 (610 x 610)	6, 8 (152, 203)
48 x 12 (1219 x 305)	8, 10, 12 (203, 254, 305)
48 x 24 (1219 x 610)	8, 10, 12 (203, 254, 305)
60 x 24 (1524 x 610)	10, 12, 14 (254, 305, 356)
72 x 24 (1829 x 610)	10, 12, 14 (254, 305, 356)





PERFORMANCE DATA Model: DCF1 Type L • Ceiling Mount • Flat Face

Unit Size	Inlet Size (inches)	Core Area (ft²)	Face Velocity (FPM)	Airflow (CFM) Total Pressure (in. w.g.	Total	Static Pressure (in. w.g.)	Noise Criteria NC	Adjacent Zone			
W x H x D (inches)					Pressure (in. w.g.)			∆T= 5°F		ΔT= 10°F	
								Length (ft)	Width (ft)	Length (ft)	Width (ft)
24 x 12			20								
			30								
			40								
			50								
			20								
24 x 24			30								
21 / 21			40								
			50								
			20								
48 x 12			30								
10 % 12			40								
			50								
			20								
48 x 24			30								
10 11 21			40								
			50								
			20								
60 x 24			30								
00 11 21			40								
			50								
72 x 24			20								
			30								
			40								
			50								

- 1. Face velocity is in feet per minute, FPM.
- 2. Airflow is in cubic feet per minute, CFM.
- 3. Pressure is in inches water gauge, in. w.g.
- NC (Noise Criteria) values are based on 10 dB room absorption, re 10¹² watts. Dash (—) in space indicates a NC of less than 15.
- Data is based upon pressurized plenum application (non ducted) with no plenum effect for pressure or sound. Plenums should be sized to achieve even velocity across the diffuser
- face. Keep duct inlet velocities below 700 fpm in order to maintain catalogued performance.
- 6. Adjacent Zone size represents the throw distance in feet to a terminal velocity of 40 fpm measured at 1" above the floor.
- 7. ΔT is the temperature difference between the supply air and the room temperature measured at 42" above the floor.
- Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70—2006 and the Nordtest Low Velocity Method NT VVS 083.



FMSD

FLOW MEASURING STATION WITH BALANCING DAMPER

The Nailor 36FMSD Flow Measuring Station is a multi-point averaging airflow sensor combined with integral balancing damper. The 36FMSD allows the field balancer to measure and adjust the airflow to a diffuser or other air terminal device located downstream.

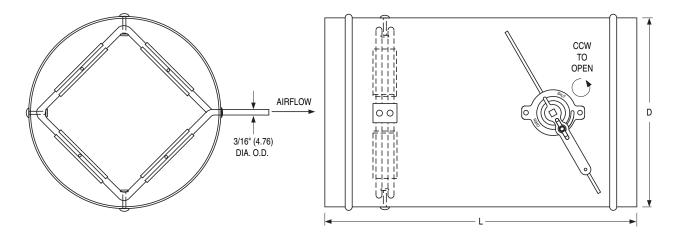
The 36FMSD is especially suitable for use with displacement ventilation diffusers.

A chart is provided on the unit which gives airflow vs. signal differential pressure for direct reading of airflow.

DESCRIPTION:

- 1. Casing: 22 ga. (0.86), corrosion-resistant steel casing with stiffening beads.
- 2. Sized to fit nominal round duct sizes.
- 3. Inlet and outlet stiffening beads provide a means for secure flexible duct connection
- 4. Balancing damper with hand locking quadrant.
- 5. Multi-point averaging Diamond Flow Sensor: Aluminum construction.
- 6. Sensor design minimizes pressure drop and regenerated noise.





Unit Size	Airflow Range cfm (I/s)	Duct Size	Length
4	0 - 180 (0 - 85)	3 7/8 (98)	13 (330)
5	0 - 325 (0 - 153)	4 7/8 (124)	13 (330)
6	0 - 450 (0 - 212)	5 7/8 (149)	13 (330)
7	0 - 650 (0 - 307)	6 7/8 (175)	13 (330)
8	0 - 900 (0 - 425)	7 7/8 (200)	13 (330)
9	0 - 1150 (0 - 543)	8 7/8 (225)	13 (330)
10	0 - 1500 (0 - 661)	9 7/8 (251)	13 (330)
12	0 - 2050 (0 - 967)	11 7/8 (302)	13 (330)
14	0 - 2740 (0 - 1293)	13 7/8 (352)	15 (381)
16	0 - 3680 (0 - 1737)	15 7/8 (403)	15 (381)
18	0 - 4800 (0 - 2266)	17 7/8 (454)	16 (406)



DC

DUCT COVER

Nailor Duct Covers for the Displacement Diffusers Series provide a consistent look from floor to ceiling. These products, when installed, creates an excellent architectural appearance; which matches the corresponding product model seamlessly, while concealing the duct work. The duct cover can be split into multiple sections to create a symmetric look with the diffuser. The duct cover is available in varying lengths. The features of the unit, (such as extrusions and finish), are the same as the corresponding model; but the cover is a solid sheet of metal to completely hide duct work. These duct covers are perfect for top ducted diffusers where exposed duct work is not desired or required, such as in restaurants, hotel lobbies, office boardrooms, etc.

This product is not available for the DWF1, DWG1 or DWR1.

Features: The duct covers seamlessly continue the appearance of the diffuser product model. The duct covers vary in height to match the look of diffuser and have the ability to fit the height of any room.

Construction: The duct cover face is ? (?) ga. steel. The support extrusion, (where required), is aluminum.

Sizes: The width, height, radius/diameter and depth are all based on the displacement diffuser ordered.

Standard finish: AW Appliance White polyester powder coat. AL Aluminum and SP Special finishes are available.



DUCT BASES

Nailor Duct Bases for the Displacement Diffusers series allow the displacement diffuser to be installed above floor level, creating a look that is architecturally appealing and consistently seamless and blends with the room's interior baseboards, moldings and decorating. These products continue the look of base board heights and provide access to bottom ducted units for easier installation. The duct base also provides protection from damage or moisture during cleaning. The features of the unit, (such as extrusions and finish), are the same as the corresponding model; but the base is a solid sheet of metal to completely hide duct work. The base is inset by 1" (25) from the face of the diffuser. The base is available in varying lengths. The product can be easy installation when ordered with a displacement unit or as a later order if a different look is required after the original diffusers installation.

This product is not available for the DWF1, DWG1 or DWR1.

Features: The duct bases seamlessly continue the appearance of the diffuser product model. The duct bases vary in height from 2" to 6" (51 to 152).

Construction: The duct base is ? (?) ga. steel.

The support extrusion, (where required), is aluminum.

Sizes: The width, height, radius/diameter and depth are all based on the displacement diffuser ordered.

Standard finish: AW Appliance White polyester powder coat. AL Aluminum and SP Special finishes are available.



EXPANSION COLLAR

The Nailor Expansion Collars can be used with Nailor Model Series DFR Displacement Diffusers to ensure high performance when used in combination with smaller duct work.









International and United States Headquarters, Sales, Manufacturing, Research and Development and Test Laboratory:

Nailor Industries of Texas Inc.

4714 Winfield Rd.,

Houston, Texas U.S.A. 77039

Tel: (281) 590-1172 Fax: (281) 590-3086

info@nailor.com www.nailor.com



Canadian Headquarters, Sales and Manufacturing:

Nailor Industries Inc. 98 Toryork Drive, Toronto, Ontario M9L 1X6 Canada

Tel: (416) 744-3300 Fax: (416) 744-3360



European Sales and Marketing Center, Manufacturing:

(also responsible for exports to the Middle East, Asia and Australia):

Advanced Air (UK) Ltd.

Burrell Way, Thefford, Norfolk IP 24 3WB

England

Tel: (0)1842 765657 Fax: (0)1842 753493 sales@advancedair.co.uk www.advancedair.co.uk

Complete Air Control and Distribution Solutions

For the most up to date catalog information go to

www.nailor.com