

2020
PRODUCTS

Product Catalogue

Disc valve Diffuser



Khedr Trust
ALL AIR PRODUCTS

Disc valve Diffuser products are
manufactured by



Khedr Trust
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**“Your comfort is
our priority”**

www.khedr-eg.com





Models

- DVD



Finish

- Standard Finish - White



Disc valve Diffuser

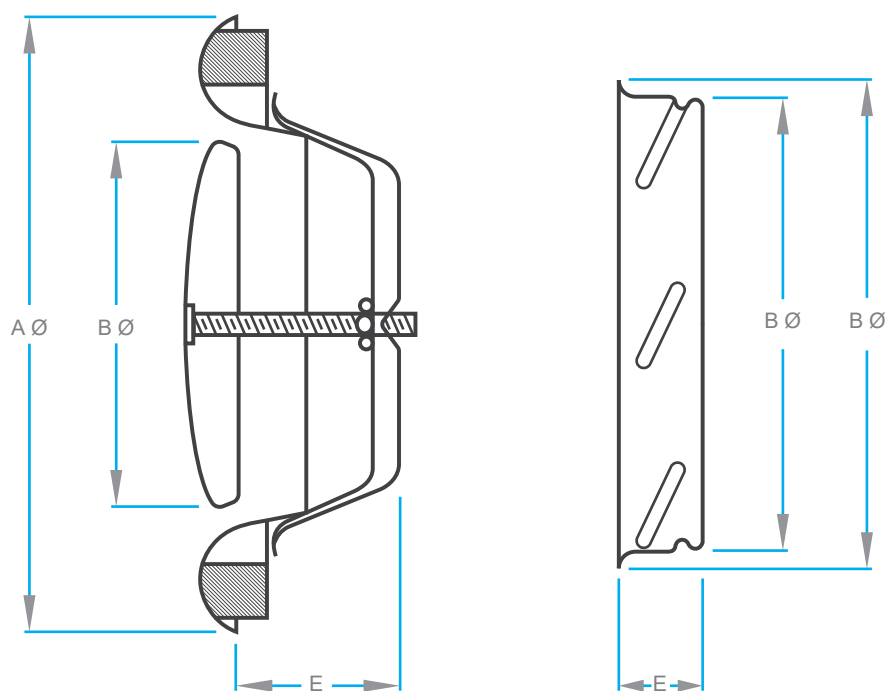
Model Design

Khedr Ceiling diffuser (DVD) are designed for ceiling-mounting applications .

Model Use

They are suitable for Exhaust applications especially for greasy damp air in areas such as toilets, washrooms and kitchens.

– Dimensions



Ø Nominal Size	Ø A	Ø B	Ø C	Ø D	Ø E	Ø F	G (Opening Size)
4"	5.39	2.95	3.86	5.12	1.58	1.10	4.125
6"	7.99	4.73	5.83	7.01	1.97	1.10	6.125
8"	9.84	6.30	7.80	9.13	2.56	1.10	8.125

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- Performance data

Nominal Size $\varnothing$ 4"

Setting	Air Flow (CFM)	15	20	25	30	35	40	45	50	60	70	80	90	100
-3/8"	SP	0.30	0.60	0.98										
	NC	<20	20	25										
-1/4"	SP		0.24	0.38	0.58	0.80	1.10							
	NC		<20	<20	23	25	26							
-1/8"	SP			0.22	0.32	0.47	0.60	0.80	0.95					
	NC			<20	<20	22	24	26	28					
0	SP				0.23	0.32	0.46	0.60	0.78	0.98	1.20			
	NC				<20	20	22	24	26	32	34			
1/8"	SP					0.22	0.28	0.40	0.52	0.64	0.84	1.15		
	NC					<20	<20	22	24	26	32	38		
1/4"	SP						0.20	0.28	0.34	0.45	0.58	0.80	1.05	
	NC						<20	<20	22	25	28	33	42	
3/8"	SP							0.20	0.28	0.34	0.47	0.60	0.82	1.05
	NC							<20	<20	23	25	29	38	45
1/2"	SP								0.18	0.27	0.33	0.40	0.60	0.80
	NC								<20	<20	25	26	32	38

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Nominal Size $\varnothing$ 6"

Setting	Air Flow (CFM)	30	35	40	50	60	70	80	90	100	120	140	160	180
-1/4"	SP	0.33	0.48	0.63	1.4									
	NC	<20	21	24	32									
-1/8"	SP		0.18	0.25	0.40	0.60	0.78	1.07						
	NC		<20	<20	21	25	31	34						
0	SP				0.24	0.33	0.42	0.59	0.78	1.00				
	NC				<20	20	23	26	34	40				
1/4"	SP							0.22	0.29	0.36	0.60	0.80	1.08	
	NC							<20	20	22	31	35	42	
1/2"	SP								0.21	0.26	0.40	0.56	0.76	0.98
	NC								<20	<20	24	28	35	45

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Nominal Size $\varnothing$ 8"

Setting	Air Flow (CFM)	40	50	60	70	80	100	120	140	160	180	200	220	240
-25/32"	SP	0.39	0.61	0.92										
	NC	22	31	35										
-19/32"	SP		0.21	0.31	0.42	0.55								
	NC		<20	20	23	26								
-25/64"	SP			0.16	0.23	0.30	0.48	0.72						
	NC			<20	<20	22	28	33						
-3-16"	SP						0.28	0.40	0.45	0.71	0.92			
	NC						22	26	30	34	38			
0	SP						0.17	0.27	0.30	0.46	0.61	0.74		
	NC						<20	23	26	31	36	38		
3/16"	SP							0.17	0.21	0.31	0.40	0.50	0.60	0.73
	NC							<20	23	26	30	32	36	38
25/64"	SP									0.25	0.31	0.38	0.48	0.58
	NC									23	26	28	32	35
19/32"	SP									0.19	0.25	0.28	0.33	0.42
	NC									<20	23	25	27	33
25/32"	SP										0.19	0.22	0.27	0.31
	NC										23	24	25	28
63/64"	SP											0.17	0.21	0.26
	NC											<20	24	25

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- Selection Procedure

1. Determine the required CFM per each outlet as per cooling Load Calculation.
2. Determine the NC required.
3. Select the suitable size that give the required CFM & NC from performance data tables.

- Selection Procedure Example

1. Required 50 CFM as per cooling load calculations.
2. Required NC = 25
3. The size of shall be :
 - A. Size $\varnothing$ 4, NC = 24 & Setting = $1/8"$.
 - B. Size $\varnothing$ 4, NC = 22 & Setting = $1/4"$.
 - C. Size $\varnothing$ 6, NC = 21 & Setting = $-1/8"$.
 - D. Size $\varnothing$ 8, NC = <20 & Setting = $-19/32"$.

Nominal Size $\varnothing$ 4"

Setting	Air Flow (CFM)	15	20	25	30	35	40	45	50	Disc valve Diffuser products are manufactured by Khedr Trust Co.
$1/8"$	SP					0.22	0.28	0.40	0.52	
	NC					<20	<20	22	24	
$1/4"$	SP						0.20	0.28	0.34	
	NC						<20	<20	22	

Nominal Size $\varnothing$ 6"

Setting	Air Flow (CFM)	30	35	40	50	Disc valve Diffuser products are manufactured by Khedr Trust Co.
$-1/4"$	SP	0.33	0.48	0.63	1.4	
	NC	<20	21	24	32	
$-1/8"$	SP		0.18	0.25	0.40	
	NC		<20	<20	21	

Nominal Size $\varnothing$ 8"

Setting	Air Flow (CFM)	40	50	Disc valve Diffuser products are manufactured by Khedr Trust Co.
$-25/32"$	SP	0.39	0.61	
	NC	22	31	
$-19/32"$	SP		0.21	
	NC		<20	

- How to order

Type	DVD	Disc Valve Diffuser
Setting	1/2"	-/+ " Inch"
Size	Ø 6"	Ø Inch"
Finish	1	0 Aluminum 1 White Color 2 Other Colors
Damper	0	0 Without Damper 1 With Damper

Disc valve Diffuser products are manufactured by Khedr Trust Co.

Other Products are provided by Khedr Trust Co.

Diffusers & Grills

- Square Ceiling Diffuser
- Circular Ceiling Diffuser
- Jet Diffuser
- Eye Ball Diffuser
- Swirl Diffuser
- Perforated Ceiling Diffuser
- Disc Valve Diffuser
- Linear Slot Diffuser
- Linear Bar Grill
- Supply / Return Grills

Louvers

- Aluminum Louvers
- Sand Trap Louvers

Dampers

- Volume Damper
- Fire Damper
- Smoke Motorized Damper
- Shutter Damper

Special Parts

- Sound Attenuator
- Plenum Box

Duct Works

- Galvanized Steel Duct
- Black Steel Duct
- Stainless Steel Duct
- Spiral Duct
- Flexible Duct
- Canvas
- Flanges



Khedr Trust

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Alqanater Alkhairia roads, Industrial Area, Behind Cocacola Co., Cairo, Egypt

Mailing Address : P.O.Box 13621, Cairo 11511 - Egypt

Tel : +202 42452022

Mob : +2010 29999054 / +2010 29999056

+2010 29999057 / +2010 29999058

E-Mail : info@khedr-eg.com

www.khedr-eg.com

