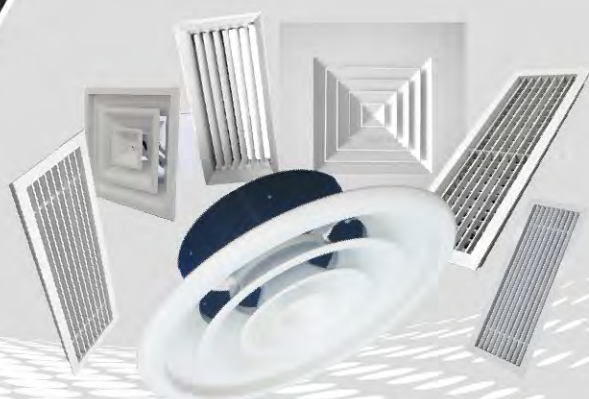


# 产品手册

PRODUCT MANUAL

SMARTEMP 智腾<sup>®</sup>  
IN COMFORT



## 常规风口

COMMON DIFFUSER

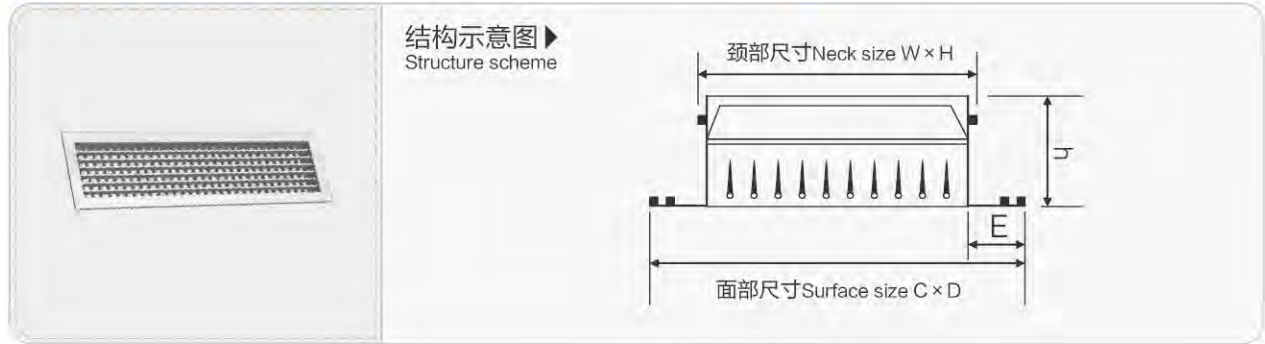


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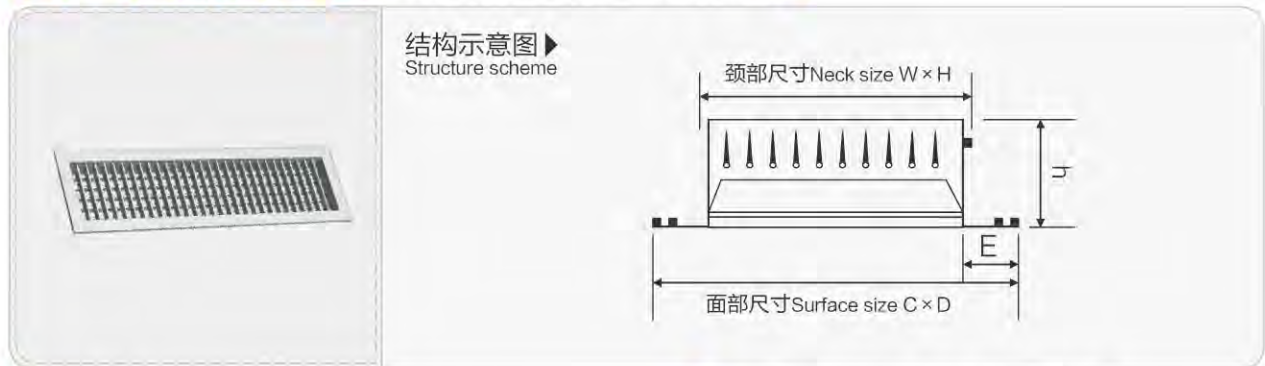
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**SDF-1H双层百叶风口** SDF-1H DOUBLE LOUVER AIR OUTLET >>



**SDF-1V双层百叶风口** SDF-1V DOUBLE LOUVER AIR OUTLET >>



■ **材质:** 铝合金型材

■ **特性:**

- 风口叶片在 $0^{\circ}$  ~ $180^{\circ}$  范围内任意调节, 将叶片 调节成不同角度, 得到不同的送风距离和不同的扩散角。
- 可作回风口使用。

■ **规格尺寸:** (W x H) 尺寸可依据设计制造

■ **Material:** Aluminum alloy sections

■ **Features:**

- The leaf can be adjusted in any direction between  $0^{\circ}$  -  $180^{\circ}$ . With the adjustment of different angle of the leaf, you can have different reach distance and diffusion angle.
- It can also be used as air return outlet.

■ **Specification:** (W x H) size can be manufactured according to the design.

■ **表面处理:** 静电喷塑、烤漆或阳极处理

■ **可加附件:** SDA-1人字调节阀

- ※外框边宽尺寸E有三种: 16mm、23mm、32mm
- 当E=16时、h=42、面尺寸=颈尺寸+27
- 当E=23时、h=40、面尺寸=颈尺寸+37
- 当E=32时、h=50、面尺寸=颈尺寸+54

■ **Surface treatment:** Electrostatic spray, painting or anode treatment.

■ **Addible accessories:** SDA-1 air volume control switch

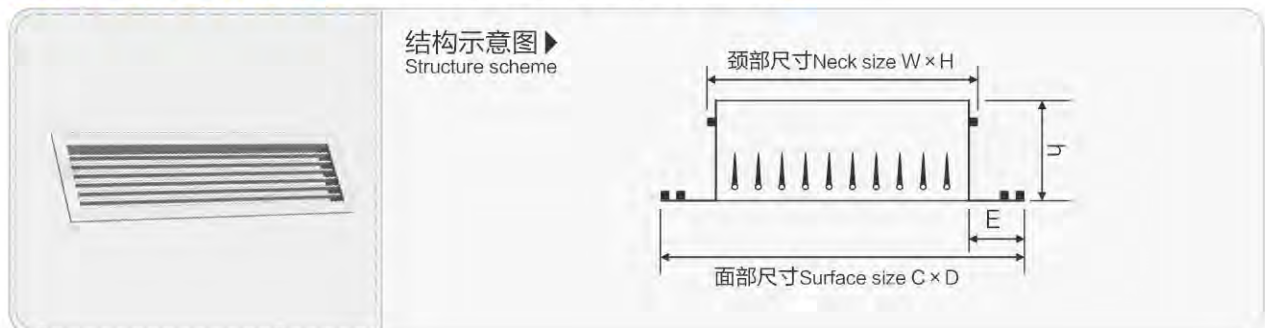
- ※There's three sizes for E of the outer frame: 16mm, 23mm, 32mm

When E=16, h=42, surface size = neck size +27

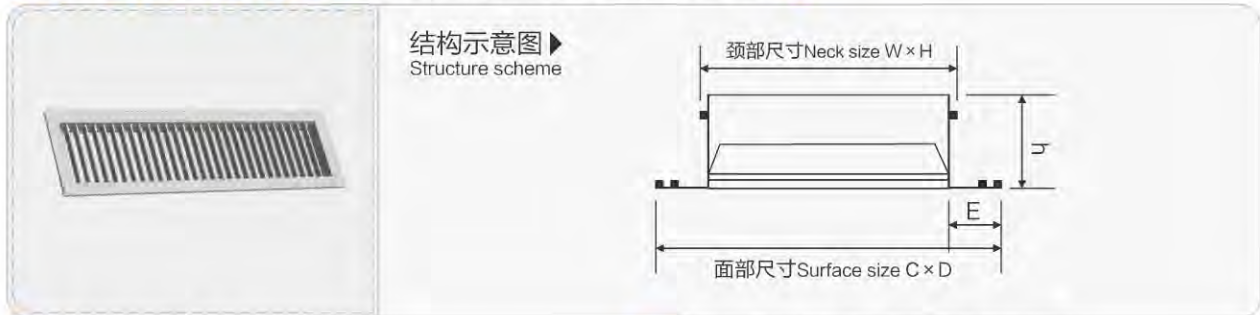
When E=23, h=40, surface size = neck size +37

When E=32, h=50, surface size = neck size +54

**SDF-2H单层百叶风口** SDF-2H SINGLE LOUVER AIR OUTLET >>



## SDF-2V单层百叶风口 SDF-2V SINGLE LOUVER AIR OUTLET >>



■ **材质:** 铝合金型材

■ **特性:**

- 风口叶片在 $0^{\circ}$  ~  $180^{\circ}$  范围内任意调节, 将叶片调节成不同角度, 可以得到不同的送风距离和不同的扩散角。
- 可作回风口使用。

■ **规格尺寸:** (W x H) 尺寸可依据设计制造

■ **Material:** Aluminum alloy sections

■ **Features:**

- The leaf can be adjusted in any direction between  $0^{\circ}$  -  $180^{\circ}$ . With the adjustment of different angle of the leaf, you can have different reach distance and diffusion angle.
- It can also be used as air return outlet.

■ **Specification:** (W x H) size can be manufactured according to the design.

■ **表面处理:** 静电喷塑、烤漆或阳极处理

■ **可加附件:** SDA-1人字调节阀

※外框边宽尺寸E有三种: 16mm、23mm、32mm

当E=16时、h=42、面尺寸=颈尺寸+27

当E=23时、h=40、面尺寸=颈尺寸+37

当E=32时、h=50、面尺寸=颈尺寸+54

■ **Surface treatment:** Electrostatic spray, painting or anode treatment.

■ **Addible accessories:** SDA-1 air volume control switch

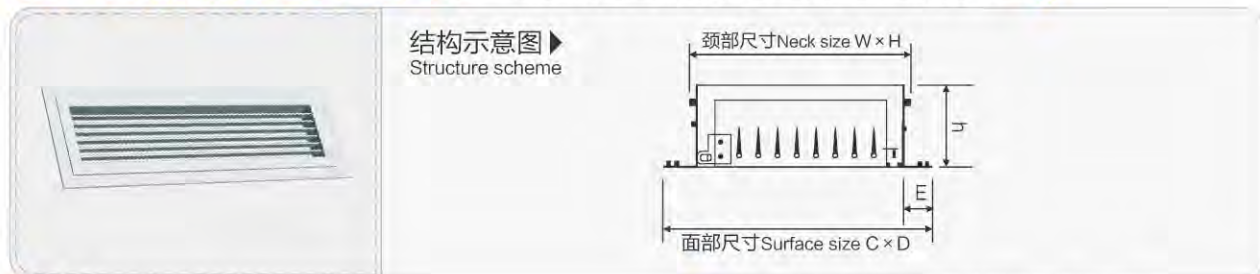
※There's three sizes for E of the outer frame: 16mm, 23mm, 32mm

When E=16, h=42, surface size = neck size +27

When E=23, h=40, surface size = neck size +37

When E=32, h=50, surface size = neck size +54

## SDF-2K单层可开式百叶风口 SDF-2K SINGLE LAYER OPEN LOUVER AIR OUTLET >>



■ **材质:** 铝合金型材

■ **特性:**

- SDF-2K单层可开式百叶风口是在SDF-2单层百叶风口的基础上增加了一个内边框, 整个风口呈活门型式, 有利于安装和过滤网的配套使用, 常用于客房、大厅的回风。
- 用手轻拨活门上两边门栓, 活门即可打开、抽出过滤网洗清, 关闭时, 只要将活门推上, 两边弹簧门栓即可自动上锁, 外表平整如一。

■ **Material:** Aluminum alloy sections

■ **Features:**

- SDF-2K single layer open louver air outlet has increased an internal frame based on SDF-2 single louver air outlet. The whole air outlet is of valve type, which is easy to install and equip with filter. It is widely used for air return in guest rooms and lobbies of the hotel.

- The valve can be opened easily when you move the bolt on both sides and then take the filter out and clean it. The spring bolt on both sides can be locked automatically if you push the valve. The outer surface looks very even.

■ **规格尺寸:** (W x H) 尺寸可依据设计制造

■ **表面处理:** 静电喷塑、烤漆或阳极处理

■ **可加附件:** SDA-4尼龙过滤网、SDA-5铝合金过滤网

※外框边宽尺寸E有三种: 16mm、23mm、32mm

当E=16时、h=42、面尺寸=颈尺寸+27

当E=23时、h=40、面尺寸=颈尺寸+37

当E=32时、h=50、面尺寸=颈尺寸+54

■ **Specification:** (W x H) size can be manufactured according to the design.

■ **Surface treatment:** Electrostatic spray, painting or anode treatment.

■ **Addible accessories:** SDA-4 nylon filter, SDA-5 aluminum alloy filter

※There's three sizes for E of the outer frame: 16mm, 23mm, 32mm

When E=16, h=42, surface size = neck size +27

When E=23, h=40, surface size = neck size +37

When E=32, h=50, surface size = neck size +54

单、双层百叶出风口技术参数表 Single and double louver air outlet technical parameter table

风管断面面积M <sup>2</sup> Basal area of the air pipe			0.05			0.06			0.07			0.08		
VC M/S	吹出 角度 Angle of air blowing	全压损失 Total pressure loss (mmAq)	风量 air volume (CMH)	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity	NC值 Value	风量 air volume (CMH)	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity	NC值 Value	风量 air volume (CMH)	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity	NC值 Value	风量 air volume (CMH)	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity	NC值 Value
1	A	0.1	190	2.6 3.2	-	215	2.8 3.4	-	270	3.0 3.6	-	290	3.1 3.7	-
	B	0.1		2.2 2.9	-		2.4 2.9	-		2.6 3.1	-		2.7 3.2	-
	C	0.2		1.8 2.2	-		2.0 2.4	-		2.1 2.5	-		2.2 2.6	-
	D	0.2		1.5 1.8	-		1.6 1.9	-		1.7 2.1	-		1.7 2.1	-
2	A	0.4	380	5.1 6.2	-	430	5.5 6.6	-	540	5.9 7.1	-	580	6.0 7.2	-
	B	0.6		4.3 5.3	-		4.7 5.6	-		5.0 6.1	-		5.1 6.3	-
	C	0.7		3.6 4.3	-		3.9 4.6	-		4.1 5.0	-		4.2 5.2	-
	D	0.8		2.8 3.4	-		3.1 3.7	-		3.3 3.9	-		3.4 4.0	-
3	A	0.9	570	7.6 9.2	20	645	8.0 9.8	-	810	8.9 10.8	-	870	9.1 11.0	-
	B	1.2		6.5 7.9	22		6.8 8.4	-		7.6 9.2	-		7.8 9.4	-
	C	1.5		5.3 6.4	24		5.6 6.9	23		6.2 7.6	22		6.4 7.7	22
	D	1.9		4.2 5.1	27		4.4 5.4	26		5.0 6.0	24		5.1 6.1	24
4	A	1.6	760	10.3 12.5	28	860	11.0 13.1	27	1080	12.0 14.3	25	1160	12.1 14.5	25
	B	2.0		8.7 10.7	31		9.4 11.2	30		10.2 12.2	28		10.3 12.4	27
	C	2.6		7.2 8.8	33		7.7 9.2	32		8.4 10.0	31		8.5 10.0	30
	D	3.0		5.7 6.9	36		6.1 7.3	34		6.7 8.0	33		6.8 8.1	33
5	A	2.4	950	13.0 15.8	35	1075	13.7 16.5	34	1350	14.9 18.0	33	1450	15.0 18.4	33
	B	3.1		11.1 13.5	38		11.7 14.1	37		12.8 15.3	35		12.8 15.9	35
	C	4.0		9.1 11.1	40		9.6 11.5	39		10.4 12.6	37		10.5 12.9	37
	D	4.6		7.3 8.7	41		7.6 9.2	40		8.3 10.0	39		8.3 10.3	39

单、双层百叶出风口技术参数表 Single and double louver air outlet technical parameter table

风管断面面积M <sup>2</sup> Basal area of the air pipe			0.09			0.1			0.12			0.13		
VC M/S	吹出 角度 Angle of air blowing	全压损失 Total pressure loss (mmAq)	风量 air volume (CMH)	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity	NC值 Value	风量 air volume (CMH)	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity	NC值 Value	风量 air volume (CMH)	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity	NC值 Value	风量 air volume (CMH)	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity	NC值 Value
1	A	0.1	325	3.3 4.0	-	360	3.4 4.1	-	430	3.6 4.4	-	480	3.9 4.7	-
	B	0.1		2.8 3.4	-		2.9 3.5	-		3.1 3.8	-		3.4 4.0	-
	C	0.2		2.3 2.8	-		2.4 2.9	-		2.5 3.1	-		2.6 3.3	-
	D	0.2		1.8 2.2	-		1.9 2.3	-		2.0 2.5	-		2.2 2.7	-
2	A	0.4	650	6.4 7.8	-	720	6.6 8.1	-	860	7.0 8.5	-	960	6.4 7.7	-
	B	0.6		5.5 6.7	-		5.6 6.9	-		6.0 7.3	-		5.4 6.3	-
	C	0.7		4.5 5.5	-		4.6 5.7	-		4.9 6.0	-		4.3 5.0	-
	D	0.8		3.6 4.3	-		3.7 4.5	-		3.9 4.7	-		7.9 9.0	-
3	A	0.9	975	9.5 11.7	-	1080	10.0 12.1	-	1290	10.4 12.8	-	1440	11.1 14.0	-
	B	1.2		8.1 10.0	-		8.5 10.3	-		8.9 10.9	-		9.7 11.7	-
	C	1.5		6.7 8.2	21		7.0 8.5	21		7.3 9.0	21		8.0 9.6	-
	D	1.9		5.3 6.5	23		5.6 6.7	22		5.8 7.1	22		6.4 7.8	20
4	A	1.6	1300	12.7 15.3	24	1440	13.1 16.0	23	1720	13.7 16.9	23	1920	15.1 18.0	22
	B	2.0		10.8 13.1	26		11.2 13.6	26		11.8 14.4	26		12.8 15.7	24
	C	2.6		8.9 10.7	29		9.2 11.2	29		9.6 11.8	29		10.3 12.9	27
	D	3.0		7.1 8.5	32		7.3 8.9	31		7.6 9.4	31		8.3 10.2	29
5	A	2.4	1625	16.4 19.8	32	1800	16.6 20.0	31	2150	17.3 21.4	31	2400	19.1 23.0	31
	B	3.1		14.0 16.9	34		14.1 17.1	33		14.8 18.2	33		16.2 19.7	32
	C	4.0		11.4 13.8	36		11.6 14.0	36		12.1 14.0	36		13.5 16.0	35
	D	4.6		9.1 11.0	38		9.2 11.1	38		9.6 11.9	38		10.6 12.9	37

■ Vcm/s表示中心风速  
■ Vcm/s means center  
wind speed

■ 吹出角度在后数页中有说明  
■ Angle of air blowing will be  
explained in later pages

■ NC值栏[-]表示NC在20以下  
■ [-] means NC value is below 20

单、双层百叶出风口技术参数表 Single and double louver air outlet technical parameter table ▶

风管断面面积M <sup>2</sup> Basal area of the air pipe			0.15			0.16			0.18			0.2		
VC M/S	吹出 角度 Angle of air blowing	全压损失 Total pressure loss (mmAq)	风量 air volume (CMH)	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity	NC值 Value	风量 air volume (CMH)	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity	NC值 Value	风量 air volume (CMH)	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity	NC值 Value	风量 air volume (CMH)	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity	NC值 Value
1	A	0.1	540	4.0 5.0	-	600	1.4 5.1	-	650	4.4 5.3	-	750	4.6 5.6	-
	B	0.1		3.5 4.3	-		3.6 4.4	-		3.8 4.6	-		3.9 4.8	-
	C	0.2		2.9 3.5	-		3.0 3.6	-		3.1 3.8	-		3.2 3.9	-
	D	0.2		2.3 2.8	-		2.3 2.9	-		2.5 3.0	-		2.6 3.2	-
2	A	0.4	1080	8.0 9.4	-	1200	8.1 9.7	-	1300	8.5 10.1	-	1500	8.9 10.4	-
	B	0.6		6.8 8.0	-		6.8 8.2	-		7.2 8.6	-		7.5 9.0	-
	C	0.7		5.6 6.6	-		5.7 6.8	-		6.0 7.1	-		6.3 7.4	-
	D	0.8		4.5 5.2	-		4.6 5.4	-		4.8 5.6	-		5.1 5.8	-
3	A	0.9	1620	11.6 15.0	-	1800	12.0 15.1	-	1950	12.5 16.0	-	2250	13.0 16.7	-
	B	1.2		10.2 12.2	-		10.5 12.5	-		10.9 13.1	-		11.4 13.8	-
	C	1.5		8.3 10.0	-		8.6 10.4	-		9.0 10.8	-		9.4 11.4	-
	D	1.9		6.8 8.3	20		6.9 8.5	20		7.2 8.9	20		7.6 9.3	20
4	A	1.6	2160	15.5 19.0	22	2400	16.2 19.2	22	2600	17.0 20.1	22	3000	17.8 21.0	23
	B	2.0		13.2 16.2	24		13.8 16.6	23		14.3 17.4	23		15.0 18.1	24
	C	2.6		10.8 13.3	27		11.0 13.8	26		11.5 14.4	26		12.0 15.0	26
	D	3.0		8.6 10.6	29		8.9 10.8	29		9.4 11.4	28		9.7 11.9	28
5	A	2.4	2700	20.0 24.5	30	3250	20.5 24.8	30	3250	21.7 25.0	30	3750	22.5 27.0	30
	B	3.1		17.1 20.8	32		17.4 21.2	31		18.3 22.3	31		19.1 23.3	31
	C	4.0		14.0 17.1	34		14.4 17.2	34		15.1 18.0	34		15.9 18.9	34
	D	4.6		11.1 13.6	36		11.4 13.8	36		12.0 14.5	37		12.5 15.1	37

单、双层百叶出风口技术参数表 Single and double louver air outlet technical parameter table ▶

风管断面面积M <sup>2</sup> Basal area of the air pipe			0.225			0.25			0.27			0.3		
VC M/S	吹出 角度 Angle of air blowing	全压损失 Total pressure loss (mmAq)	风量 air volume (CMH)	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity	NC值 Value	风量 air volume (CMH)	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity	NC值 Value	风量 air volume (CMH)	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity	NC值 Value	风量 air volume (CMH)	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity	NC值 Value
1	A	0.1	800	4.8 5.9	-	900	5.0 6.1	-	1000	5.2 6.4	-	1100	5.4 6.6	-
	B	0.1		4.2 5.1	-		4.3 5.3	-		4.5 5.5	-		4.7 5.7	-
	C	0.2		3.4 4.2	-		3.6 4.3	-		3.7 4.5	-		3.8 4.7	-
	D	0.2		2.7 3.4	-		2.8 3.5	-		2.9 3.7	-		3.1 3.8	-
2	A	0.4	1600	9.3 11.0	-	1800	9.8 11.5	-	2000	10.1 11.9	-	2200	10.5 12.3	-
	B	0.6		7.8 9.4	-		8.2 9.8	-		8.6 10.1	-		8.8 10.4	-
	C	0.7		6.6 7.7	-		6.8 8.1	-		7.1 8.4	-		7.4 8.7	-
	D	0.8		5.3 6.1	-		5.6 6.4	-		5.8 6.6	-		6.0 6.9	-
3	A	0.9	2400	13.8 17.5	-	2700	14.2 18.3	-	3000	14.9 19.0	-	3300	15.4 19.9	-
	B	1.2		12.0 14.5	-		12.7 15.1	-		13.1 15.8	-		13.5 16.3	-
	C	1.5		9.9 12.0	20		10.3 12.5	21		10.8 13.0	21		11.2 13.5	21
	D	1.9		7.9 9.8	21		8.3 10.2	22		8.7 10.5	22		9.0 11.0	22
4	A	1.6	3200	18.8 22.0	23	3600	19.5 23.0	23	4000	20.0 24.0	23	4400	21.0 24.9	23
	B	2.0		15.8 19.0	24		16.4 20.0	24		17.0 20.0	24		17.6 21.4	24
	C	2.6		12.5 15.9	27		13.0 12.5	27		13.5 17.0	27		14.0 17.8	27
	D	3.0		10.2 12.6	28		8.3 10.2	29		8.7 10.5	29		11.4 14.0	29
5	A	2.4	4000	23.8 28.3	30	4500	24.8 29.9	30	5000	25.7 31.0	30	5500	26.8 32.0	30
	B	3.1		20.1 24.5	31		21.0 25.8	31		21.9 26.8	32		22.8 27.8	33
	C	4.0		16.7 19.8	34		17.3 20.7	34		18.0 21.5	35		18.8 22.3	36
	D	4.6		13.2 15.9	37		13.8 16.7	37		14.3 17.3	37		15.0 18.0	38

■ Vcm/s表示中心风速  
■ Vcm/s means center  
wind speed

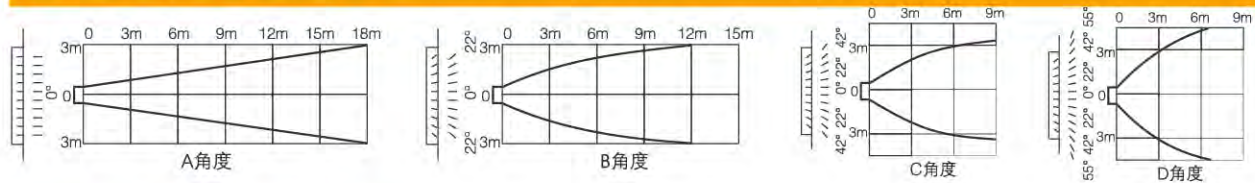
■ 吹出角度在后数页中有说明  
■ Angle of air blowing will be  
explained in later pages

■ NC值栏[-]表示NC在20以下  
■ [-] means NC value is below 20

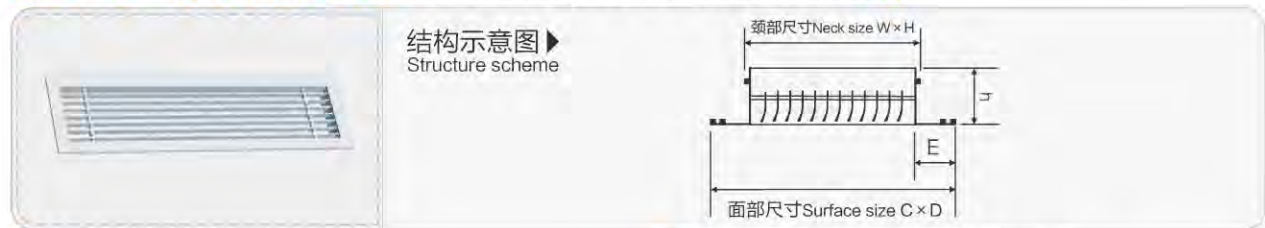
单双层百叶出风口选用要领 How to choose single and double louver air outlet

- 先决定吹出角度，然后对应其角度查性能表，将吹出之角度分A、B、C、D四种。A及B角度宜用于吹出空气所到达之距离双较长、扩散范围较狭小之场合。C及D角度宜用于吹出空气所到达之距离双较短，扩散范围较宽之场合。
- 中心风速的大小选定使用场合。  
其条件包括风量，到达距离。
  - 风管断面面积(m<sup>2</sup>)决定后，可由性能表中依标准尺寸较接近的加以决定。
  - 到达距离的值是末端风速0.25-0.5M/S测定然后由性能表中的吹出角度A~D、选定近似的吹出角度。再配合所需的风量而选取定。
- 吹出角度的气流分
- 下图中扩散宽度以6M为基准时，各吹出角度的到达距离。  
空气下降度
  - 百叶出风口所吹出的空气，由于吹出后气流扩大与通过吹出处的空气温度和室内温度间之差异，会使吹出之气流有自然下沉之现象，因此在设计上，必须列为考虑的因素，不然往往因空气分布作用点之不良，而导致相反之效果。
- First, decide the angle of air blowing. You can check the functional sheet. In order to easy to check, our company divide the angle of air blowing into 4 types, A, B, C and D. A and B is fit for such places that the reach distance is longer and diffusion scope is narrower. While C and D is fit for such places that the reach distance is shorter and diffusion scope is wider.
- Center wind speed decides the places including air volume and reach distance.
  - When the basal area of air pipe is decided, we can make our decision according to the size which is closer to the standard size in the parameter sheet.
  - Test if the air residual velocity is between 0.25- 0.5MS, then check the angle of air blowing A, B, C and D. Choose the similar angle and related air volume, then decide the value of reach distance.
- Flow distribution of the angle for air blowing  
For the flowing charts, when the diffusion width is 6M, the reach distance of all air blowing angle.
- Air depression
  - As the air flow blown from the grille outlet will be expanded and cause temperature difference between room temperature and outlet temperature, which will lead to air blown from the outlet sinking. Therefore, we have to take it into consideration. Otherwise, it will cause reverse effect because of bad air distribution.

风口吹出角度前气流分布关系图 Airflow distribution diagram of the air blowing angle

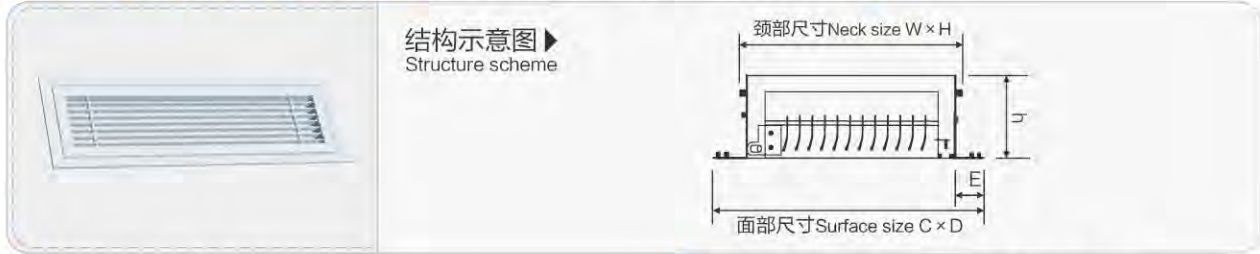


SDF-3 一面吹小百叶风口 SDF-3 SLICED LEAF ONE SIDE DIFFUSER



- 材质：铝合金型材
- 特性：
  - SDF-3一面吹小百叶风口突出了线型设计特点，可用于室内和大厅环形分布的出风口和回风口，亦可安装在侧墙或天花板上。
  - SDF-3叶片为固定式，斜式送风回风型式，叶片倾斜24度。
- Material: Aluminum alloy sections
- Features:
  - SDF-3 sliced leaf one side diffuser has the outstanding features of linear design, which is used for circular distributed air outlet and return in the hall.
  - The leaf of SDF-3 type is fixed and can be tilted for 24 degrees.
- 表面处理：静电喷塑、烤漆或阳极处理
- 可加附件：SDA-1人字调节阀、SDA-4尼龙过滤网
  - ※外框边宽尺寸E有三种：16mm、23mm、32mm
  - 当E=16时、h=42、面尺寸=颈尺寸+27
  - 当E=23时、h=40、面尺寸=颈尺寸+37
  - 当E=32时、h=50、面尺寸=颈尺寸+54
  - ※最大长度为3米，超过时，可以把两节或多节拼起来使用。
- Surface treatment: Electrostatic spray, painting
- Addible accessories: SDF-1 air volume control switch, SDA-4 nylon filter
  - ※ There's three sizes for E of the outer frame: 16mm, 23mm, 32mm
  - When E=16, h=42, surface size = neck size +27
  - When E=23, h=40, surface size = neck size +37
  - When E=32, h=50, surface size = neck size +54
  - ※ The longest length is 3 meters, if it is over 3 meters, you can combine 2 or 3 parts together.

## SDF-3K可开式小百叶风口 SDF-3K SLICED LEAF OPEN DIFFUSER >>



■ **材质:** 铝合金型材

■ **特性:**

- SDF-3K可开式百叶回风口是在SDF-3一面吹小百叶风口的基础上增加了一个内边框，整个风口呈活门型式，有利于安装和过滤网的配套使用，常用于客房、大厅的回风。
- 用手轻拨活门上两边门栓，活门即可打开、抽出过滤网洗清，关闭时，只要将活门推上，两边弹簧门栓即可自动上锁，外表平整如一。

■ **Material:** Aluminum alloy sections

■ **Features:**

- SDF-3K sliced leaf open outlet has increased an internal frame based on SDF-3 sliced leaf one side diffuser. The whole air outlet is of valve type, which is easy to install and equip with filter. It is widely used for air return in guest rooms and lobbies of the hotel.
- The valve can be opened easily when you move the bolt on both sides and then take the filter out and clean it. The spring bolt on both sides can be locked automatically if you push the valve. The outer surface looks very even.

■ **规格尺寸:** (W × H) 尺寸可依据设计制造

■ **表面处理:** 静电喷塑、烤漆或阳极处理

■ **可加附件:** SDA-4尼龙过滤网、SDA-5铝合金过滤网

※外框边宽尺寸E有三种: 16mm、23mm、32mm

当E=16时、h=42、面尺寸=颈尺寸+27

当E=23时、h=40、面尺寸=颈尺寸+37

当E=32时、h=50、面尺寸=颈尺寸+54

■ **Specification:** (W x H) size can be manufactured according to the design

■ **Surface treatment:** Electrostatic spray, painting or anode treatment

■ **Addible accessories:** SDA-4 nylon filter, SDA-5 aluminum alloy filter

※ There's three sizes for E of the outer frame: 16mm, 23mm, 32mm

When E=16, h=42, surface size = neck size +27

When E=23, h=40, surface size = neck size +37

When E=32, h=50, surface size = neck size +54

## SDF-4二面吹小百叶风口 SDF-4 SLICED LEAF TWO-SIDE DIFFUSER >>



■ **材质:** 铝合金型材

■ **特性:**

- SDF-4二面吹小百叶风口突出了线型设计特点，可用于室内和大厅环形分布的出风口和回风口，亦可安装在侧墙或天花板上。
- SDF-4叶片为固定式，斜式送风回风型式，叶片倾斜24度。

■ **Material:** Aluminum alloy sections

■ **Features:**

- SDF-4 sliced leaf two-side diffuser has the outstanding features of linear design, which is used for circular distributed air outlet and rectum in the hall.
- The leaf of SDF-4 type is fixed and can be tilted for 24 degrees.

■ **Surface treatment:** Electrostatic spray, painting or anode treatment

■ **表面处理:** 静电喷塑、烤漆或阳极处理

■ **可加附件:** SDA-1人字调节阀、SDA-4尼龙过滤网

※外框边宽尺寸E有三种: 16mm、23mm、32mm

当E=16时、h=42、面尺寸=颈尺寸+27

当E=23时、h=40、面尺寸=颈尺寸+37

当E=32时、h=50、面尺寸=颈尺寸+54

※最大长度为3米，超过时，可以把两节或多节拼起来使用。

■ **Addible accessories:** SDA-1 air volume control switch, SDA-4 nylon filter

※ There's three sizes for E of the outer frame: 16mm, 23mm, 32mm

When E=16, h=42, surface size = neck size +27

When E=23, h=40, surface size = neck size +37

When E=32, h=50, surface size = neck size +54

※ The longest length is 3 meters, if it is over 3 meters, you can combine 2 or several parts together.



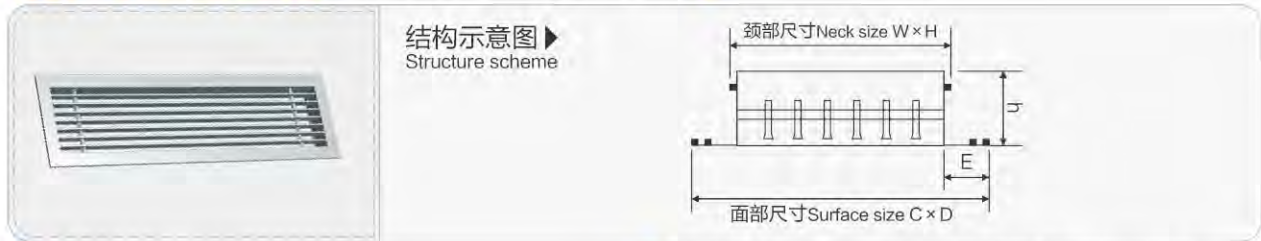
**SDF-3一面吹小百叶风口、SDF-3K可开式小百叶风口技术参数表**  
SDF-3 blowing small louver tuyere, SDF-3K openable small louver tuyere technical parameter table

颈尺寸(mm) (W×H) (面积) Neck size long × Wide	风速M/S Air velocity	1.5	2	2.5	3	3.5	4
	全压损失(mmAq) Total pressure loss	0.71	1.25	2.0	2.82	3.68	4.95
610×76 (0.046m <sup>2</sup> )	风量 CMH Air volume	250	333	417	500	583	666
	流程 M Flow distance	1.2-1.8	1.5-2.1	2.1-2.7	2.7-3.4	3.0-3.7	3.7-4.3
1220×76 (0.093m <sup>2</sup> )	风量 CMH Air volume	500	666	833	1000	1167	1333
	流程 M Flow distance	1.2-1.8	1.5-2.1	2.1-2.7	2.7-3.4	3.0-3.7	3.7-4.3
610×152 (0.093m <sup>2</sup> )	风量 CMH Air volume	500	666	833	1000	1167	1333
	流程 M Flow distance	2.4-3.4	3.0-4.3	4.0-5.2	4.9-6.1	6.1-7.3	6.7-7.9
1220×152 (0.185m <sup>2</sup> )	风量 CMH Air volume	1000	1333	1667	2000	2333	2667
	流程 M Flow distance	2.4-3.4	3.0-4.3	4.0-5.2	4.9-6.1	6.1-7.3	6.7-7.9
610×229 (0.14m <sup>2</sup> )	风量 CMH Air volume	750	1000	1450	1500	1750	2000
	流程 M Flow distance	3.0-4.3	4.0-5.2	4.9-6.1	6.1-7.3	7.3-8.5	8.5-9.8
1220×229 (0.279m <sup>2</sup> )	风量 CMH Air volume	1500	2000	2500	3000	3500	4000
	流程 M Flow distance	3.0-4.3	4.0-5.2	4.9-6.1	6.1-7.3	7.3-8.5	8.5-9.8
610×305 (0.186m <sup>2</sup> )	风量 CMH Air volume	1000	1333	1677	2000	2333	2667
	流程 M Flow distance	4.3-5.8	5.2-6.4	6.4-7.6	7.9-9.1	8.8-10.1	10.1-11.3
1220×305 (0.372m <sup>2</sup> )	风量 CMH Air volume	2000	2667	3500	4000	4667	5334
	流程 M Flow distance	4.3-5.8	5.2-6.4	6.4-7.6	7.9-9.1	8.8-10.1	10.1-11.3

**SDF-4二面吹小百叶风口技术参数表** SDF-4 two-side blowing small louver tuyere technical parameter table

颈尺寸(mm) (W×H) (面积) Neck size long × Wide	风速M/S Air velocity	1.5	2	2.5	3	3.5	4
	全压损失(mmAq) Total pressure loss	0.71	1.25	2.0	2.82	3.68	4.95
610×76 (0.046m <sup>2</sup> )	风量 CMH Air volume	250	333	417	500	583	666
	单边风量CMH Unilateral air volume	125	166	208	250	291	333
	流程 M Flow distance	0.9-1.5	1.2-1.8	1.5-2.1	2.1-2.7	2.4-3.0	2.7-3.4
914×76 (0.07m <sup>2</sup> )	风量 CMH Air volume	375	500	625	750	875	1000
	单边风量CMH Unilateral air volume	187	250	312	375	437	500
	流程 M Flow distance	0.9-1.5	1.2-1.8	1.5-2.1	2.1-2.7	2.4-3.0	2.7-3.4
1220×76 (0.093m <sup>2</sup> )	风量 CMH Air volume	500	666	833	1000	1167	1333
	单边风量CMH Unilateral air volume	250	333	416	500	583	666
	流程 M Flow distance	0.9-1.5	1.2-1.8	1.5-2.1	2.1-2.7	2.4-3.0	2.7-3.4
610×152 (0.093m <sup>2</sup> )	风量 CMH Air volume	500	666	833	1000	1167	1333
	单边风量CMH Unilateral air volume	250	333	416	500	583	666
	流程 M Flow distance	2.1-3.0	2.7-3.4	3.4-4.3	3.7-4.6	4.0-5.2	4.6-5.8
914×152 (0.139m <sup>2</sup> )	风量 CMH Air volume	750	1000	1450	1500	1750	2000
	单边风量CMH Unilateral air volume	375	500	725	750	875	1000
	流程 M Flow distance	2.1-3.0	2.7-3.4	3.4-4.3	3.7-4.6	4.0-5.2	4.6-5.8
1220×152 (0.185m <sup>2</sup> )	风量 CMH Air volume	1000	1333	1667	2000	2333	2667
	单边风量CMH Unilateral air volume	500	666	833	1000	1166	1333
	流程 M Flow distance	2.1-3.0	2.7-3.4	3.4-4.3	3.7-4.6	4.0-5.2	4.6-5.8
610×229 (0.14m <sup>2</sup> )	风量 CMH Air volume	750	1000	1450	1600	1750	2000
	单边风量CMH Unilateral air volume	375	500	725	800	875	1000
	流程 M Flow distance	2.1-3.0	2.7-3.7	3.7-5.8	4.3-5.2	5.2-6.4	5.8-7.0
914×229 (0.209m <sup>2</sup> )	风量 CMH Air volume	1125	1500	1857	2250	2625	3000
	单边风量CMH Unilateral air volume	562	750	937	1125	1312	1500
	流程 M Flow distance	2.1-3.0	2.7-3.7	3.7-5.8	4.3-5.2	5.2-6.4	5.8-7.0
1220×229 (0.279m <sup>2</sup> )	风量 CMH Air volume	1500	2000	2500	3000	3500	4000
	单边风量CMH Unilateral air volume	750	1000	1250	1500	1750	2000
	流程 M Flow distance	2.1-3.0	2.7-3.7	3.7-5.8	4.3-5.2	5.2-6.4	5.8-7.0
610×305 (0.186m <sup>2</sup> )	风量 CMH Air volume	1000	1333	1667	2000	2333	2667
	单边风量CMH Unilateral air volume	500	666	833	1000	1166	1333
	流程 M Flow distance	2.4-3.4	3.0-4.0	4.0-4.9	5.2-6.4	5.8-7.0	6.7-7.9
914×305 (0.279m <sup>2</sup> )	风量 CMH Air volume	1500	2000	2500	3000	3500	4000
	单边风量CMH Unilateral air volume	750	1000	1250	1500	1750	2000
	流程 M Flow distance	2.4-3.4	3.0-4.0	4.0-4.9	5.2-6.4	5.8-7.0	6.7-7.9
1220×305 (0.372m <sup>2</sup> )	风量 CMH Air volume	2000	2667	3500	4000	4667	5334
	单边风量CMH Unilateral air volume	1000	1333	1750	2000	2333	2667
	流程 M Flow distance	2.4-3.4	3.0-4.0	4.0-4.9	5.2-6.4	5.8-7.0	6.7-7.9

## SDF-5固定格栅风口 SDF-5 FIXED GRILLE DIFFUSER



■ **材质:** 铝合金型材

■ **特性:**

- SDF-5型突出了线形设计的特点，可用于大厅环形分布的出风口和回风口。
- SDF-5型叶片为固定式，最长为3米，超过时可采用拼接方式。

■ **规格尺寸:** (W × H) 尺寸可依据设计制造

■ **Material:** Aluminum alloy sections

■ **Features:**

- SDF-5 type has the outstanding features of linear design, which is used for circular distributed air outlet and return in the hall.
- SDF-5 leaf is fixed type, the longest one is 3 meters and it can be joined if the length is over 3 meters.

■ **Specification:** (W × H) size can be manufactured according to the design

■ **可加附件:** SDA-1人字调节阀、SDA-4尼龙过滤网。

■ **表面处理:** 静电喷塑、烤漆

※外框边宽尺寸E有三种：16mm、23mm、32mm

当E=16时、h=42、面尺寸=颈尺寸+27

当E=23时、h=40、面尺寸=颈尺寸+37

当E=32时、h=50、面尺寸=颈尺寸+54

※最大长度为3米，超过时，可以把两节或多节拼起来使用。

■ **Addible accessories:** SDA-1 air volume control switch, SDA-4 nylon filter

※There's three sizes for E of the outer frame: 16mm, 23mm, 32mm

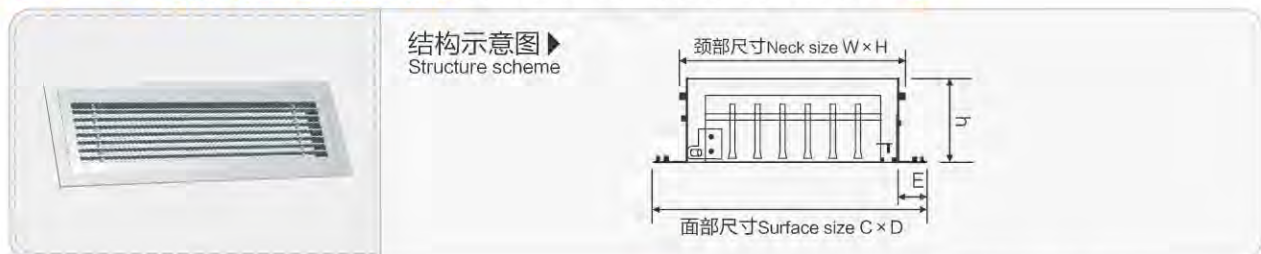
When E=16, h=42, surface size = neck size +27

When E=23, h=40, surface size = neck size +37

When E=32, h=50, surface size = neck size +54

※The longest length is 3 meters, if it is over 3 meters, you can combine 2 or several parts together.

## SDF-5K可开式固定格栅风口 SDF-5K FIXED GRILLE OPEN DIFFUSER



■ **材质:** 铝合金型材

■ **特性:**

- SDF-5K可开式固定格栅风口是在SDF-5固定格栅风口的基础上增加了一个内边框，整个风口呈活门型式，有利于安装和过滤网的配套使用，常用于客房、大厅的回风。
- 用手轻拨活门上两边门栓，活门即可打开、抽出过滤网洗清，关闭时，只要将活门推上，两边弹簧门栓即可自动上锁，外表平整如一。

■ **Material:** Aluminum alloy sections

■ **Features:**

- SDF-5K sliced leaf open outlet has increased an internal frame based on SDF-5 sliced leaf one side diffuser. The whole air outlet is of valve type, which is easy to install and equip with filter. It is widely used for air return in guest rooms and lobbies of the hotel.
- The valve can be opened easily when you move the bolt on both sides and then take the filter out and clean it. The spring bolt on both sides can be locked automatically if you push the valve. The outer surface looks very even.

■ **规格尺寸:** (W × H) 尺寸可依据设计制造

■ **表面处理:** 静电喷塑、烤漆或阳极处理

■ **可加附件:** SDA-4尼龙过滤网、SDA-5铝合金过滤网

※外框边宽尺寸E有三种：16mm、23mm、32mm

当E=16时、h=42、面尺寸=颈尺寸+27

当E=23时、h=40、面尺寸=颈尺寸+37

当E=32时、h=50、面尺寸=颈尺寸+54

■ **Specification:** (W × H) size can be manufactured according to the design

■ **Surface treatment:** Electrostatic spray, painting or anode treatment

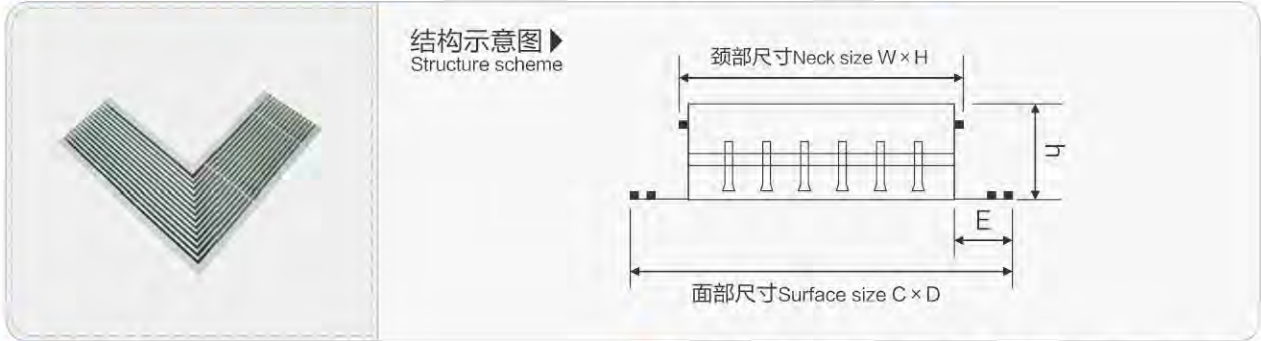
■ **Addible accessories:** SDA-4 nylon filter, SDA-5 aluminum alloy filter

※There's three sizes for E of the outer frame: 16mm, 23mm, 32mm

When E=16, h=42, surface size = neck size +27

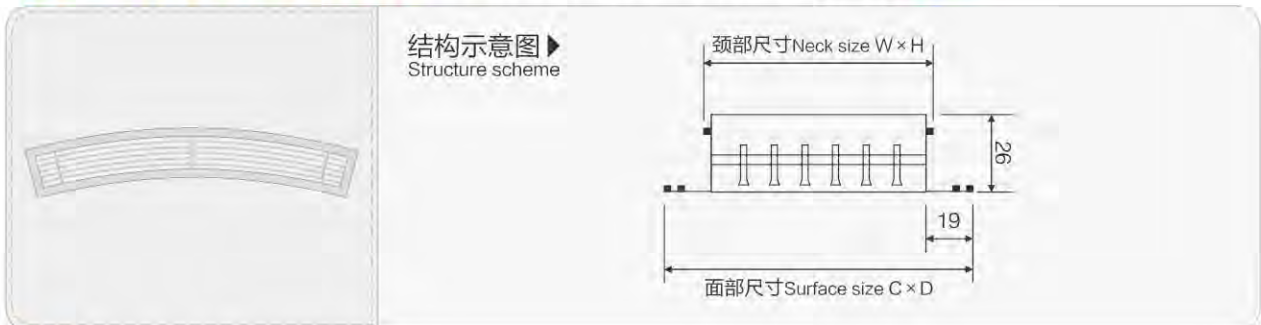
When E=23, h=40, surface size = neck size +37

When E=32, h=50, surface size = neck size +54

**SDF-5Z固定格栅转角风口** SDF-5Z FIXED GRILLE CORNER AIR OUTLET >>

- **结构示意图**
- **材质:** 铝合金型材
- **特性:** 可根据用户需要做成各种角度和各种长度的风口, 可采用细叶、扁叶型, 订货时务必注明顶装、侧装等。
- **规格尺寸:** 尺寸可依据设计制造
- **Material:** Aluminum alloy sections
- **Features:** It can be made as any air outlets with different angle and length according to customer's requirements using sliced type or flat type. But please note whether it should be top installation or side installation when you issue the PO.
- **Specification:** (W x H) size can be manufactured according to the design

- **可加附件:** SDA-4尼龙过滤网、SDA-5铝合金过滤网
- **表面处理:** 静电喷塑、烤漆或阳极处理  
※外框边宽尺寸E有三种: 16mm、23mm、32mm  
当E=16时、h=42、面尺寸=颈尺寸+27  
当E=23时、h=40、面尺寸=颈尺寸+37  
当E=32时、h=50、面尺寸=颈尺寸+54
- **Surface treatment:** Electrostatic spray, painting or anode treatment
- **Addible accessories:** SDA-4 nylon filter, SDA-5 aluminum alloy filter  
※There's three sizes for E of the outer frame: 16mm, 23mm, 32mm  
When E=16, h=42, surface size = neck size +27  
When E=23, h=40, surface size = neck size +37  
When E=32, h=50, surface size = neck size +54

**SDF-5H固定格栅弧形风口** SDF-5H FIXED GRILLE CURVE AIR OUTLET >>

- **材质:** 铝合金型材
- **特性:**
  - 采用专用设备加工, 可制成凸弧, 凹弧, 侧送弧, 顶送弧等型式。
  - 采用SDF-5型相同的型材。
  - 设计个性化, 装潢效果好。
- **规格尺寸:** 尺寸可依据设计制造
- **表面处理:** 静电喷塑、烤漆

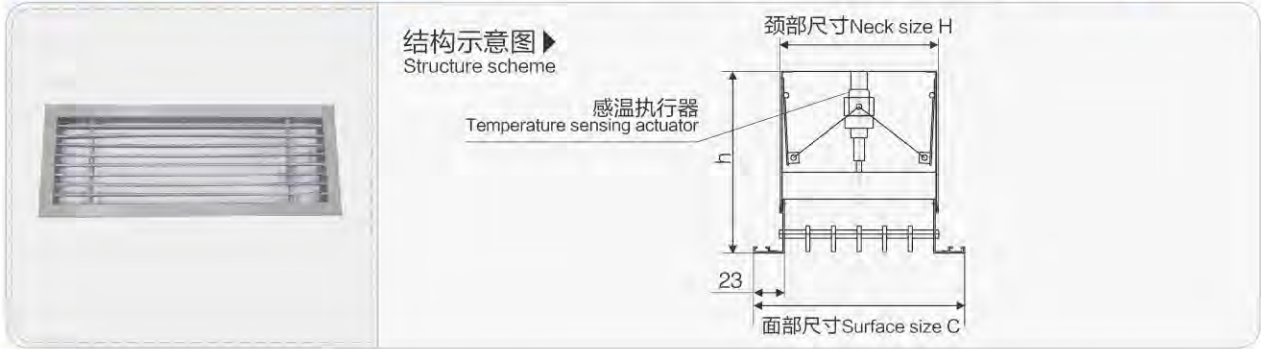
- **Material:** Aluminum alloy sections
- **Features:**
  - We can use special equipment to make such types as convex, concave, side blowing curve or top blowing curve.
  - Use the same material as SDF-5 type.
  - The design can be personalized and has good decorative result.
- **Specification:** (W x H) size can be manufactured according to the design
- **Surface treatment:** Electrostatic spray, painting

SDF-5固定格栅风口、KFK-5K固定格栅风口技术参数表

SDF-5 fixed grille air outlet, KFK-5K fixed grille air outlet technical parameter table

颈部面积 Neck area	吹出风速m/s Air supply velocity	1	2	3	4	5	6	7	8
0.053m <sup>2</sup>	风量 CMH Air Volume	191	382	572	763	954	1145	1336	1526
	静压损失mmAq Static pressure loss	0.1	0.6	1.3	2.3	3.8	5.2	7.2	9.5
	到达距离m Reach distance	1.6	3.2	4.9	6.5	8.2	9.8	11.6	13.2
	发生噪音Db(A) Noise	-	-	27	34	40	45	49	53
0.063m <sup>2</sup>	风量 CMH Air Volume	227	454	680	907	1134	1361	1588	1814
	静压损失mmAq Static pressure loss	0.1	0.6	1.3	2.3	3.8	5.2	7.2	9.5
	到达距离m Reach distance	1.8	3.6	5.4	7.3	9.2	11.0	13.0	14.9
	发生噪音Db(A) Noise	-	-	27	35	41	45	49	53
0.073m <sup>2</sup>	风量 CMH Air Volume	263	526	788	1051	1314	1577	1840	2102
	静压损失mmAq Static pressure loss	0.1	0.6	1.3	2.3	3.8	5.2	7.2	9.5
	到达距离m Reach distance	2.0	4.1	6.1	8.1	10.2	12.2	14.3	16.4
	发生噪音Db(A) Noise	-	-	28	35	41	46	50	54
0.097m <sup>2</sup>	风量 CMH Air Volume	349	698	1048	1397	1746	2095	2444	2794
	静压损失mmAq Static pressure loss	0.1	0.6	1.3	2.3	3.8	5.2	7.2	9.5
	到达距离m Reach distance	2.3	4.6	6.9	9.2	11.6	13.9	16.3	18.7
	发生噪音Db(A) Noise	-	-	29	36	42	47	51	55
0.121m <sup>2</sup>	风量 CMH Air Volume	436	871	1307	1742	2178	2614	3049	3485
	静压损失mmAq Static pressure loss	0.1	0.6	1.3	2.3	3.8	5.2	7.2	9.5
	到达距离m Reach distance	2.6	5.1	7.8	10.2	13.0	16.5	18.2	21.0
	发生噪音Db(A) Noise	-	-	29	37	43	47	52	55
0.141m <sup>2</sup>	风量 CMH Air Volume	508	1015	1523	2030	2538	3046	3553	4061
	静压损失mmAq Static pressure loss	0.1	0.6	1.3	2.3	3.8	5.2	7.2	9.5
	到达距离m Reach distance	2.8	5.7	8.6	11.3	14.3	17.3	20.3	23.3
	发生噪音Db(A) Noise	-	-	30	38	44	48	53	56
0.165m <sup>2</sup>	风量 CMH Air Volume	594	1188	1782	2376	2970	3564	4158	4752
	静压损失mmAq Static pressure loss	0.1	0.6	1.3	2.3	3.8	5.2	7.2	9.5
	到达距离m Reach distance	3.0	6.2	9.3	12.3	15.7	18.8	22.1	25.3
	发生噪音Db(A) Noise	-	-	31	38	44	49	53	57
0.185m <sup>2</sup>	风量 CMH Air Volume	666	1332	1998	2664	3330	3996	4662	5328
	静压损失mmAq Static pressure loss	0.1	0.6	1.5	2.5	4.0	5.0	7.0	9.0
	到达距离m Reach distance	3.3	6.6	10.0	13.5	17.0	20.0	24.0	27.0
	发生噪音Db(A) Noise	-	21	32	39	45	50	54	58
0.209m <sup>2</sup>	风量 CMH Air Volume	752	1505	2257	3010	3762	4514	5267	6019
	静压损失mmAq Static pressure loss	0.1	0.6	1.5	2.5	4.0	5.0	7.0	9.0
	到达距离m Reach distance	3.5	7.0	11.0	14.0	18.0	21.0	25.0	29.0
	发生噪音Db(A) Noise	-	21	32	40	46	50	55	58

**SDF-5-T温控固定格栅风口** SDF-5-T TEMPERATURE SENSING FIXED GRILLE DIFFUSER >>



■ **特性:**

SDF-5-T温控固定格栅风口颈部装有感温执行器，能自动感测气流温度，并驱动风口颈部的调节板，以改变风口的吹出面积，从而调节气流的吹出速度。当夏季送风温度 $\leq 17^{\circ}\text{C}$ 时，调节板自动调为全开，风口吹出面积增大，气流吹出速度减小，避免明显的冷风吹出感；当冬季送风温度 $\geq 27^{\circ}\text{C}$ 时，调节板自动关小，气流吹出速度增快，使热风获得更远的送风距离。可满足冬夏季不同工况下的送风要求。感温执行器无需人工或电源及电控设备，具有节能、环保、性能稳定、安装简便、免维护等优点。

■ **Feature:**

SDF-5-T temperature sensing flat leaf diffuser assembles temperature sensing actuator in the neck and it can sense the airflow temperature automatically, It can drive the adjusting plate in the neck of the outlet to change the airflow area so that it can adjust the airflow velocity. When the air supply temperature is  $\leq 17^{\circ}\text{C}$  in Summer, the adjusting plate will open completely and then the airflow area increases and the airflow velocity reduces so that it can avoid the feeling of blowing cooling air. When the air supply temperature is  $\geq 27^{\circ}\text{C}$  in Winter, the adjusting plate will close and then the airflow velocity increases so that the hot air can reach further distance. Therefore, it can meet air supply requirement both in Summer and Winter. The temperature sensing actuator doesn't need manual or power electronic equipment. It has such features as energy saving, environmental protection, stable function, simple assembly as well as easy maintenance.

**SDF-5-T温控固定格栅风口两种工况** SDF-5-T temperature control fixed grille air outlet two working conditions >



**尺寸表** Size table >

型号 Specification	尺寸 Size	叶片数 Number of leaves	H	h	型号 Specification	尺寸 Size	叶片数 Number of leaves	H	h
1#		1	35	120	6#		6	135	136
2#		2	55	120	7#		7	155	150
3#		3	75	120	8#		8	175	150
4#		4	95	120	9#		9	195	150
5#		5	115	136	10#		10	215	150

※规格之外尺寸也可以依设计制造。 ※Dimensions outside the specifications can also be manufactured according to the design.

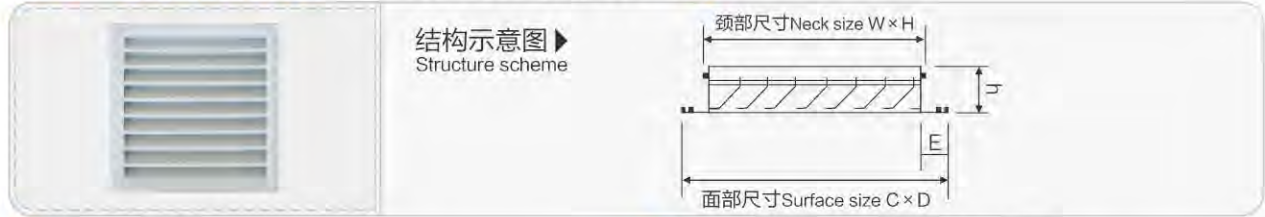
SDF-5-T温控固定格栅风口技术参数表 SDF-5-T temperature control fixed grille air outlet technical parameter table

规格 Specification	颈部风速m/s Neck air velocity		1	2	3	4	5	6
	静压损失pa Static pressure loss	冷风 Cold air	3	10	23	41	64	94
		热风 Hot air	5	19	42	76	117	171
	1#	风量m³/h Air volume		115	230	345	460	576
出风口风速 m/h Air supply velocity		冷风 Cold air	1.2	2.3	3.4	4.6	5.7	6.9
		热风 Hot air	2.5	4.5	6.8	9.2	11.5	13.8
射程 m Range		冷风 Cold air	1.2	2.4	3.6	5.0	6.3	7.5
		热风 Hot air	1.4	3.1	4.5	6.1	7.3	8.7
发生噪音 dB(A) Noise		冷风 Cold air	-	-	-	29	36	41
	热风 Hot air	-	-	-	35	42	47	
2#	风量m³/h Air volume		187	374	561	749	936	1123
	出风口风速 m/h Air supply velocity	冷风 Cold air	1.2	2.3	3.4	4.6	5.7	6.9
		热风 Hot air	2.5	4.5	6.8	9.2	11.5	13.8
	射程 m Range	冷风 Cold air	1.6	3.4	5.2	6.8	8.5	10.2
		热风 Hot air	2.2	4.6	6.9	8.9	11.3	13.5
	发生噪音 dB(A) Noise	冷风 Cold air	-	-	-	29	36	41
热风 Hot air		-	-	-	35	42	47	
3#	风量m³/h Air volume		259	518	777	1036	1296	1555
	出风口风速 m/h Air supply velocity	冷风 Cold air	1.2	2.3	3.4	4.6	5.7	6.9
		热风 Hot air	2.5	4.5	6.8	9.2	11.5	13.8
	射程 m Range	冷风 Cold air	1.9	4	5.8	8.2	10.3	12.3
		热风 Hot air	2.5	5.5	7.9	10.8	13.9	17.3
	发生噪音 dB(A) Noise	冷风 Cold air	-	-	-	31	38	42
热风 Hot air		-	-	31	37	44	49	
4#	风量m³/h Air volume		331	662	993	1325	1656	1987
	出风口风速 m/h Air supply velocity	冷风 Cold air	1.2	2.3	3.4	4.6	5.7	6.9
		热风 Hot air	2.5	4.5	6.8	9.2	11.5	13.8
	射程 m Range	冷风 Cold air	2.3	4.5	6.9	8.8	11.2	13.5
		热风 Hot air	3.0	6.1	9.3	11.7	15.6	19.5
	发生噪音 dB(A) Noise	冷风 Cold air	-	-	-	32	39	43
热风 Hot air		-	-	33	39	45	50	
5#	风量m³/h Air volume		403	806	1209	1612	2016	2419
	出风口风速 m/h Air supply velocity	冷风 Cold air	1.2	2.3	3.4	4.6	5.7	6.9
		热风 Hot air	2.5	4.5	6.8	9.2	11.5	13.8
	射程 m Range	冷风 Cold air	2.6	5.3	8.0	10.7	13.4	16.1
		热风 Hot air	3.4	6.9	10.5	14.1	17.9	20.9
	发生噪音 dB(A) Noise	冷风 Cold air	-	-	29	34	40	44
热风 Hot air		-	-	35	41	46	51	
6#	风量m³/h Air volume		475	950	1425	1900	2376	2851
	出风口风速 m/h Air supply velocity	冷风 Cold air	1.2	2.3	3.4	4.6	5.7	6.9
		热风 Hot air	2.5	4.5	6.8	9.2	11.5	13.8
	射程 m Range	冷风 Cold air	2.8	5.6	8.5	11.3	14.1	17.0
		热风 Hot air	3.7	7.3	10.9	14.7	18.5	22.1
	发生噪音 dB(A) Noise	冷风 Cold air	-	-	31	36	42	45
热风 Hot air		-	-	37	43	47	52	
7#	风量m³/h Air volume		547	1094	1641	2189	2736	3283
	出风口风速 m/h Air supply velocity	冷风 Cold air	1.2	2.3	3.4	4.6	5.7	6.9
		热风 Hot air	2.5	4.5	6.8	9.2	11.5	13.8
	射程 m Range	冷风 Cold air	3.0	5.9	9.1	12.1	15.2	18.4
		热风 Hot air	4.1	7.8	11.9	15.8	19.7	23.9
	发生噪音 dB(A) Noise	冷风 Cold air	-	-	33	38	43	46
热风 Hot air		-	34	39	45	48	53	
8#	风量m³/h Air volume		619	1238	1857	2476	3096	3715
	出风口风速 m/h Air supply velocity	冷风 Cold air	1.2	2.3	3.4	4.6	5.7	6.9
		热风 Hot air	2.5	4.5	6.8	9.2	11.5	13.8
	射程 m Range	冷风 Cold air	3.2	6.6	9.8	13.2	16.5	19.9
		热风 Hot air	4.3	8.7	12.7	17.3	21.4	25.8
	发生噪音 dB(A) Noise	冷风 Cold air	-	31	35	40	45	47
热风 Hot air		-	36	41	47	49	54	
9#	风量m³/h Air volume		691	1382	2073	2765	3456	4147
	出风口风速 m/h Air supply velocity	冷风 Cold air	1.2	2.3	3.4	4.6	5.7	6.9
		热风 Hot air	2.5	4.5	6.8	9.2	11.5	13.8
	射程 m Range	冷风 Cold air	3.4	6.8	10.2	13.6	17.0	20.5
		热风 Hot air	4.6	9.1	13.4	17.8	22.1	26.6
	发生噪音 dB(A) Noise	冷风 Cold air	-	31	35	40	45	47
热风 Hot air		-	36	41	47	49	54	
10#	风量m³/h Air volume		763	1526	2283	3052	3815	4578
	出风口风速 m/h Air supply velocity	冷风 Cold air	1.2	2.3	3.4	4.6	5.7	6.9
		热风 Hot air	2.5	4.5	6.8	9.2	11.5	13.8
	射程 m Range	冷风 Cold air	3.6	7.2	10.8	14.4	17.9	21.6
		热风 Hot air	4.8	9.2	14.1	18.9	23.4	27.9
	发生噪音 dB(A) Noise	冷风 Cold air	-	34	38	42	47	49
热风 Hot air		33	39	44	48	51	56	

※ 1. 表中冷热风表示风口在冷热不同温度下，等温气流性能吹出系数。  
 2. 域气流为0.5m/s。  
 3. 表中数据对应的风口颈部长度均为1000mm。

※ 1. The hot and cold wind in the table indicates the blowing coefficient of the isothermal airflow performance at different temperatures of the hot and cold air.  
 2. The domain airflow is 0.5 m/s.  
 3. The length of the tuyere corresponding to the data in the table is 1000mm.

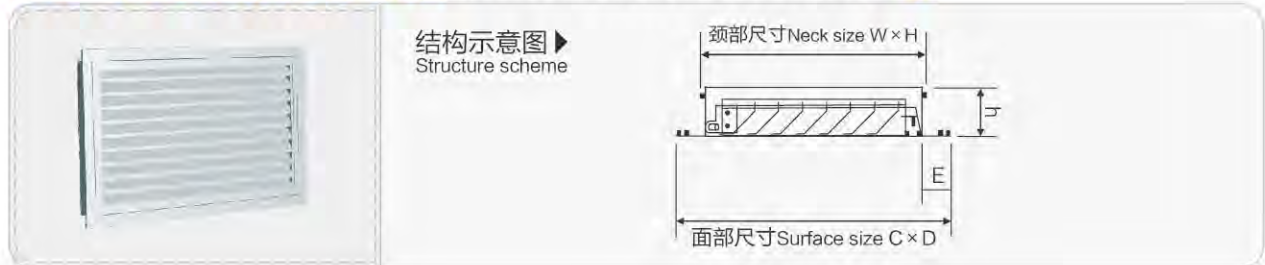
**SDF-6固定百叶风口** SDF-6 FIXED LOUVER OUTLET >>



- **材质:** 铝合金型材
- **特性:** SDF-6固定百叶风口适合于一般办公室及宾馆等的回风场合，叶片为固定式。
- **规格尺寸:** (W×H) 尺寸可依据设计制作制造
- **Material:** Aluminum alloy sections
- **Features:** SDF-6 fixed louver outlet is used in such places as offices and hotels. The leaf is fixed.
- **Specification:** (W x H) size can be manufactured according to the design
- **Surface treatment:** Electrostatic spray, painting or anode treatment

- **表面处理:** 静电喷塑、烤漆或阳极处理
- **可加附件:** SDA-4尼龙过滤网、SDA-5铝合金过滤网  
※外框边宽尺寸E有三种: 16mm、23mm、32mm  
当E=16时、h=42、面尺寸=颈尺寸+27  
当E=23时、h=40、面尺寸=颈尺寸+37  
当E=32时、h=50、面尺寸=颈尺寸+54
- **Addible accessories:** SDA-4 nylon filter, SDA-5 aluminum alloy filter  
※ There's three sizes for E of the outer frame: 16mm, 23mm, 32mm  
When E=16, h=42, surface size = neck size +27  
When E=23, h=40, surface size = neck size +37  
When E=32, h=50, surface size = neck size +54

**SDF-6K可开式固定百叶风口** SDF-6K FIXED LOUVER OPEN OUTLET >>

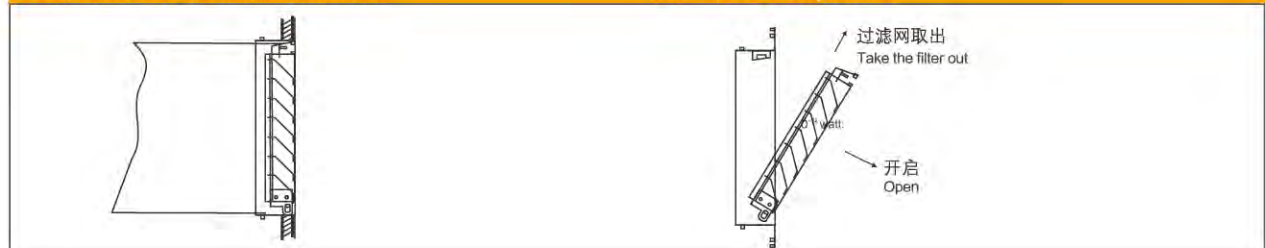


- **材质:** 铝合金型材
- **特性:**
  - SDF-6K可开式百叶回风口的基础上增加了一个内边框，整个风口呈活门型式，有利于安装和过滤网的配套使用，常用于客房、大厅的回风。
  - 用手轻拨活门上两边门栓，活门即可打开、抽出过滤网洗清，关闭时，只要将活门推上，两边弹簧门栓即可自动上锁，外表平整如一。
- **Material:** Aluminum alloy sections
- **Features:**
  - SDF-6K sliced leaf open outlet has increased an internal frame based on SDF-5 sliced leaf one side diffuser. The whole air outlet is of valve type, which is easy to install and equip with filter. It is widely used for air return in guest rooms and lobbies of the hotel.
  - The valve can be opened easily when you move the bolt on both sides and then take the filter out and clean it. The spring bolt on both sides can be locked automatically if you push the valve. The outer surface looks very even.

- **规格尺寸:** (W×H) 尺寸可依据设计制作制造
- **表面处理:** 静电喷塑、烤漆或阳极处理
- **可加附件:** SDA-4尼龙过滤网、SDA-5铝合金过滤网  
※外框边宽尺寸E有三种: 16mm、23mm、32mm  
当E=16时、h=42、面尺寸=颈尺寸+27  
当E=23时、h=40、面尺寸=颈尺寸+37  
当E=32时、h=50、面尺寸=颈尺寸+54
- **Specification:** (W x H) size can be manufactured according to the design
- **Surface treatment:** Electrostatic spray, painting or anode treatment
- **Addible accessories:** SDA-4 nylon filter, SDA-5 aluminum alloy filter  
※ There's three sizes for E of the outer frame: 16mm, 23mm, 32mm  
When E=16, h=42, surface size = neck size +27  
When E=23, h=40, surface size = neck size +37  
When E=32, h=50, surface size = neck size +54

**SDF-6K安装方式之一**

SDF-6K One of the installation methods



**SDF-6K+KFJ-4尼龙过滤网**

SDF-6K+KFJ-4 nylon filter

SDF-6固定百叶风口技术参数表 SDF-6 fixed louver tuyere technical parameter table ▶

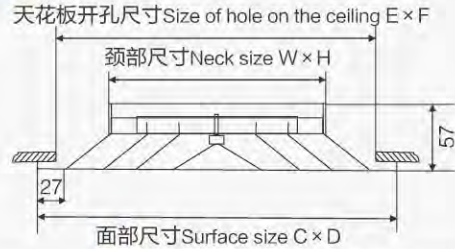
面积 Area m <sup>2</sup>	颈部尺寸 (W×H) Neck size mm	风速M/S Air velocity	2	2.5	3	3.5	4	5	6
		动压(mmAq) Dynamic pressure	0.25	0.4	0.55	0.75	1.0	1.55	2.2
		静压损失(mmAq) static pressure loss	0.9	1.5	2.2	3.1	4.1	6.5	9.3
0.025	250×100	风量(CMH) Aire volume	180	225	270	315	360	450	540
	200×125	NC	-	11	17	23	30	37	42
0.03	300×100	风量(CMH) Aire volume	216	270	324	378	432	540	648
	200×150	NC	-	12	18	25	32	39	44
0.04	400×100	风量(CMH) Aire volume	288	360	432	504	576	720	864
	250×150	NC	-	15	23	29	34	42	46
0.045	350×125	风量(CMH) Aire volume	324	405	486	567	648	810	972
	300×150	NC	-	15	23	29	34	42	46
0.05	350×150	风量(CMH) Aire volume	360	450	540	630	720	900	1080
	250×200	NC	-	15	23	29	34	42	46
0.06	600×100	风量(CMH) Aire volume	432	540	648	756	864	1080	1296
	400×150	NC	-	17	24	31	36	44	48
0.075	600×125 350×200	风量(CMH) Aire volume	540	675	810	945	1080	1350	1620
	500×150 300×250	NC	-	18	25	31	36	44	50
0.09	700×125 400×200	风量(CMH) Aire volume	648	810	972	1134	1296	1620	1944
	550×150 350×250	NC	-	19	27	34	38	45	51
0.1	750×125 450×200	风量(CMH) Aire volume	720	900	1080	1260	1440	1800	2160
	650×150 400×250	NC	11	20	27	34	39	46	52
0.12	900×125 450×250	风量(CMH) Aire volume	864	1080	1296	1512	1728	2160	2592
	650×150 350×300	NC	12	22	29	35	41	48	54
0.128	850×150 500×250	风量(CMH) Aire volume	922	1152	1382	1612	1843	2304	2765
	600×200 400×300	NC	13	23	29	35	42	48	55
0.135	1200×125 450×300	风量(CMH) Aire volume	972	1215	1458	1700	1944	2430	2916
	900×150 400×350	NC	13	23	29	35	42	48	55
0.18	900×200 600×300	风量(CMH) Aire volume	1296	1620	1944	2268	2592	3240	3888
	750×250 450×400	NC	14	23	30	36	42	49	56
0.27	750×350 600×450	风量(CMH) Aire volume	1944	2430	2915	3402	3888	4860	5832
	650×400 550×500	NC	14	23	30	36	42	50	57
0.36	1200×300 750×450	风量(CMH) Aire volume	2592	3240	3888	4536	5184	6480	7776
	900×400 600×600	NC	15	25	31	38	44	51	59



SDF-7方型散流器 SDF-7 SQUARE DIFFUSER >>



结构示意图  
Structure scheme



- **材质:** 铝合金型材
- **特性:**
  - SDF-7型有多层锥型平行叶片组成, 其吹出气流属贴附型(平送), 无须担心吹风感。
  - 内锥叶片与外框为分离式结构, 以便安装和调节风量。
- **Material:** Aluminum alloy sections
- **Features:**
  - SDF-7 type is composed of multilayer cone paralleled leaves. The air blowing is of attachment type and there's no need to worry about blowing feeling.
  - Internal cone leaf and outer frame is a separate structure, which is easy to install and adjust air volume.
  - The air can be made to blow out from 1~4 side.
- 可做成1~4面吹之出风型式。
- **规格尺寸:** (W x H) 尺寸可依据设计制造
- **可加附件:** 颈部可与SDA-1人字调节阀配合使用
- **表面处理:** 静电喷塑、烤漆或阳极处理
- **Specification:** (W x H) size can be manufactured according to the design
- **Addible accessories:** Neck can be equipped with SDA-1 air volume control switch
- **Surface treatment:** Electrostatic spray, painting or anode treatment

尺寸表 Size table ▶			SDA-1人字调节阀 SDA-1 herringbone regulating valve	SDA-2方罩 SDA-2 square cover
W x H	E x F	C x D		
200 x 200	272 x 272	323 x 323		
250 x 250	322 x 322	373 x 373		
300 x 300	372 x 372	423 x 423		
350 x 350	422 x 422	473 x 473		
400 x 400	472 x 472	523 x 523		
450 x 450	522 x 522	573 x 573		
500 x 500	572 x 572	623 x 623		
550 x 550	622 x 622	673 x 673		
600 x 600	672 x 672	723 x 723		

SDF-7方型散流器技术参数表 SDF-7 square diffuser technical parameter table ▶

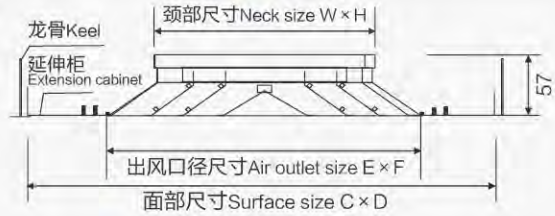
规格W x H Specification (面积m <sup>2</sup> ) area	颈部风速 m/s Neck air velocity	2	2.5	3	3.5	4	4.5	5
200 x 200 (0.04)	全压损失 Pa Total pressure loss	9.5	15.5	22	30	39	49.5	60
	风量CMH Air volume	288	360	432	504	576	648	720
	到达距离m Reach distance	1.8	2.1	2.3	2.5	2.7	2.9	3.1
250 x 250 (0.0625)	风量CMH Air volume	450	563	675	788	900	1012	1125
	到达距离m Reach distance	2.2	2.6	3.0	3.2	3.3	3.5	3.8
	NC	21	22	24	30	33	37	40
300 x 300 (0.09)	风量CMH Air volume	648	810	972	1133	1296	1458	1620
	到达距离m Reach distance	2.9	3.2	3.6	3.8	4.0	4.2	4.5
	NC	22	23	27	31	34	38	41
350 x 350 (0.1225)	风量CMH Air volume	882	1103	1323	1543	1763	1985	2205
	到达距离m Reach distance	3.3	3.7	4.1	4.4	4.8	5.0	5.3
	NC	23	24	28	32	36	39	43
400 x 400 (0.16)	风量CMH Air volume	1152	1440	1728	2016	2303	2592	2880
	到达距离m Reach distance	3.8	4.2	4.7	5.0	5.4	5.7	6.2
	NC	24	26	30	34	37	41	45
450 x 450 (0.2025)	风量CMH Air volume	1458	1823	2187	2555	2916	3280	3645
	到达距离m Reach distance	4.3	4.9	5.4	5.9	6.2	6.6	6.9
	NC	24	26	32	36	38	42	46
500 x 500 (0.25)	风量CMH Air volume	1800	2250	2700	3150	3600	4050	4500
	到达距离m Reach distance	4.6	5.4	6.0	6.4	6.8	7.2	7.6
	NC	25	27	32	36	39	42	47
550 x 550 (0.3025)	风量CMH Air volume	2178	2723	3267	3810	4356	4900	5445
	到达距离m Reach distance	5.2	5.8	6.5	7.0	7.5	8	8.4
	NC	25	28	33	37	40	43	48
600 x 600 (0.36)	风量CMH Air volume	2592	3240	3888	4536	5183	5832	6480
	到达距离m Reach distance	5.8	6.6	7.2	7.6	8.3	8.8	9.3
	NC	26	29	34	38	41	44	49

※到达距离为风速在0.5m/s处测得。 ※The reach distance is measured when the air velocity is at 0.5m/s.

**SDF-8宽边方型散流器** SDF-8 BROADSIDE SQUARE DIFFUSER



结构示意图  
Structure scheme



■ **材质:** 铝合金型材

■ **特性:**

- SDF-8型是专门为配合标准龙骨架而设计的一种新款散流器，它是在SDF-7型的基础上增加了一个与龙骨天花板尺寸相同的延伸框，使风口与天花板成一体，省去了天花板开孔的施工步骤，也美化了装饰效果。

■ **Material:** Aluminum alloy sections

■ **Features:** ● SDF-8 type is a kind of new diffuser designed to fit standard keel frame. It has added an extending frame which has the same size as the keel ceiling based on the SDF-7 type. It integrates the outlet with the ceiling, which saves opening holes on the ceiling and also beautifies the decoration.

- Internal cone leaf and outer frame is a separate structure, which is easy to install and adjust air volume.

- 内锥叶片与外框为分离式结构，以便安装和调节风量。

- 吹出气流属贴附型（平送），无须担心吹风感。

- 可做成1-4面吹之出风型式。

■ **规格尺寸:** (W × H) 尺寸可依据设计制造

■ **可加附件:** 颈部可与SDA-1人字调节阀配合使用

■ **表面处理:** 静电喷塑、烤漆或阳极处理

- Air blowing is of attachment type and there's no need to worry about blowing feeling.

- The air can be made to blow out from 1-4 side.

■ **Specification:** size can be manufactured according to the design

■ **Addible accessories:** Neck can be equipped with SDA-1 air volume control switch

■ **Surface treatment:** Electrostatic spray, painting or anode treatment

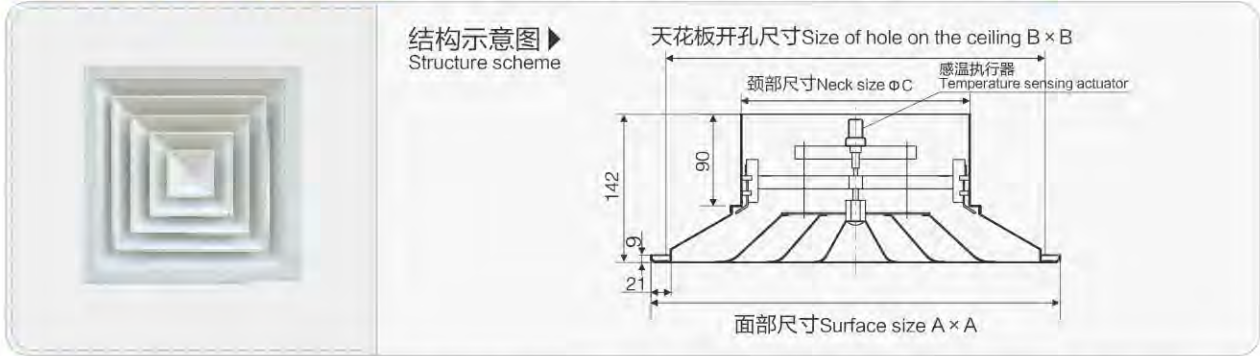
尺寸表 Size table			SDA-1人字调节阀 SDA-1 herringbone regulating valve	SDA-2方圆罩 SDA-2 square circular cover
W × H	E × F	C × D		
200 × 200	269 × 269	595 × 595		
250 × 250	319 × 319			
300 × 300	369 × 369	603 × 603		
350 × 350	419 × 419	配合龙骨天花板尺寸 Cooperate with the ceiling keel size		
400 × 400	469 × 469			
420 × 420	489 × 489			

**SDF-8宽边方型散流器技术参数表** SDF-8 wide-side square diffuser technical parameter table

规格W × H Specification (面积m <sup>2</sup> ) area	颈部风速 m/s Neck air velocity	2	2.5	3	3.5	4	4.5	5
200 × 200 (0.04)	全压损失 Pa Total pressure loss	9.5	15.5	22	30	39	49.5	60
	风量CMH Air volume	288	360	432	504	576	648	720
	到达距离m Reach distance	1.8	2.1	2.3	2.5	2.7	2.9	3.1
250 × 250 (0.0625)	风量CMH Air volume	450	563	675	788	900	1012	1125
	到达距离m Reach distance	2.2	2.6	3.0	3.2	3.3	3.5	3.8
	NC	21	22	24	30	33	37	40
300 × 300 (0.09)	风量CMH Air volume	648	810	972	1133	1296	1458	1620
	到达距离m Reach distance	2.9	3.2	3.6	3.8	4.0	4.2	4.5
	NC	22	23	27	31	34	38	41
350 × 350 (0.1225)	风量CMH Air volume	882	1103	1323	1543	1763	1985	2205
	到达距离m Reach distance	3.3	3.7	4.1	4.4	4.8	5.0	5.3
	NC	23	24	28	32	36	39	43
400 × 400 (0.16)	风量CMH Air volume	1152	1440	1728	2016	2303	2592	2880
	到达距离m Reach distance	3.8	4.2	4.7	5.0	5.4	5.7	6.2
	NC	24	26	30	34	37	41	45
420 × 420 (0.1764)	风量CMH Air volume	1270	1587	1905	2222	2540	2857	3175
	到达距离m Reach distance	4.2	4.6	5.2	5.6	5.9	6.3	6.6
	NC	24	26	31	36	38	42	46

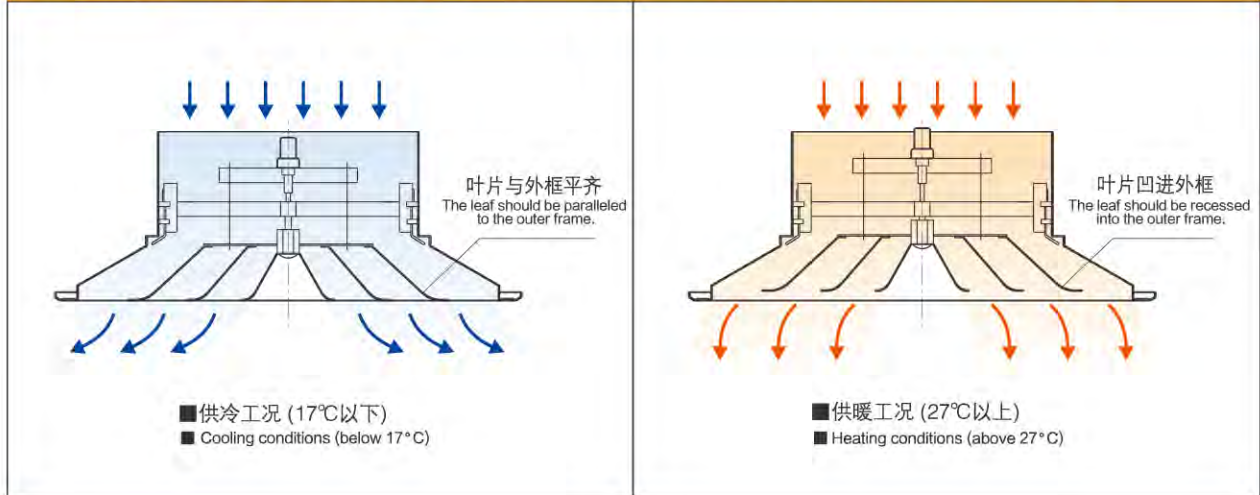
※ 到达距离为风速在0.5m/s处测得。 ※ The reach distance is measured when the air velocity is at 0.5m/s.

**SDF-7-T温控方型散流器** SDF-7-T TEMPERATURE SENSING SQUARE DIFFUSER



- 特性:** SDF-7-T温控方型散流器颈部装有感温执行器,能自动感测气流温度,并驱动内层叶片在不同送风工况下作上下移动,自动调整送风方向。当夏季送风温度 $\leq 17^{\circ}\text{C}$ 时,内层叶片下移,吹出气流呈水平贴附扩散形态;当冬季送风温度 $\geq 27^{\circ}\text{C}$ 时,内层叶片上移,吹出气流呈垂直下送状态。可满足冬夏季不同工况下的送风要求。感温执行器无需人工或电源及电控设备,具有节能、环保、性能稳定、安装简便、免维护等优点。
- Features:** SDF-7-T temperature sensing square diffuser assembles temperature sensing actuator in the neck and it can sense the airflow temperature automatically. It can drive the inside leaf to move up and down under different air supply conditions to adjust air supply direction automatically. When the air supply temperature is  $\leq 17^{\circ}\text{C}$  in Summer, the inside leaf will move downward and blows the air horizontally in diffusion condition. When the air supply temperature is  $\geq 27^{\circ}\text{C}$  in Winter, the inside leaf will move upward and blows the air vertically. Therefore, it can meet air supply requirement both in Summer and Winter, The temperature sensing actuator doesn't need manual or power electronic equipment. It has such features as energy saving, environmental protection, stable function, simple assembly as well as easy maintenance.

**SDF-7-T温控方型散流器两种工况** SDF-7-T temperature control square diffuser two working conditions



**尺寸表 Size Chart**

规格 Specification	颈部尺寸 $\phi C$ Neck size $\phi C$	开孔尺寸 $B \times B$ Opening size $B \times B$	面部尺寸 $A \times A$ Face size $A \times A$
$\phi 125$	$\phi 124$	256 × 256	286 × 286
$\phi 150$	$\phi 149$	282 × 282	312 × 312
$\phi 200$	$\phi 199$	332 × 332	362 × 362
$\phi 250$	$\phi 249$	382 × 382	412 × 412
$\phi 300$	$\phi 299$	432 × 432	462 × 462
$\phi 350$	$\phi 349$	482 × 482	512 × 512

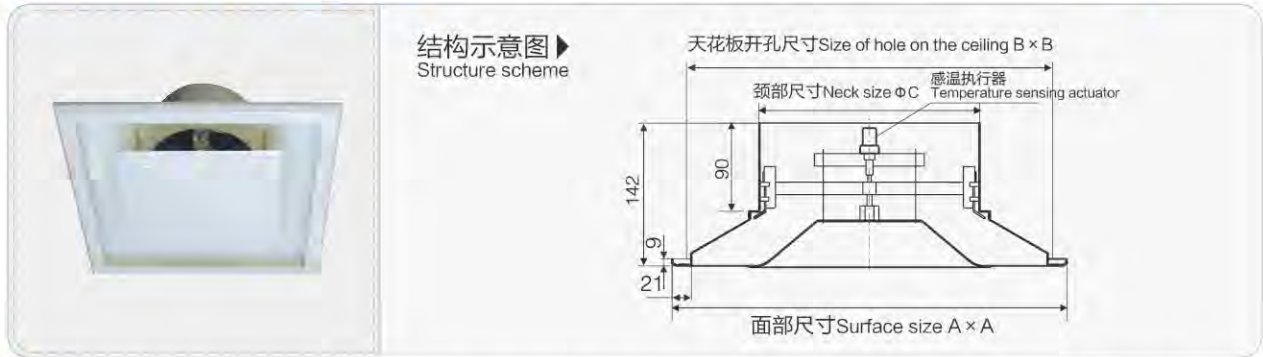
SDF-7-T温控方型散流器技术参数表 SDF-7-T temperature control square diffuser technical parameter table ▶

规格 Specification	颈部风速m/s Neck air velocity	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	
φ 125	风量m <sup>3</sup> /h Air volume	91	114	137	159	182	205	228	273	
	静压损失pa Static pressure loss	H	4	6	8	11	14	18	22	32
		V	6	9	13	17	23	29	36	51
	扩散半径m Diffusion radius	H	0.7	0.9	1.1	1.3	1.5	1.7	2.0	2.3
	到达距离m Reach distance	V	1.2	1.5	1.8	2.1	2.4	2.8	3.2	3.8
	发生噪音dB (A) Noise	H	-	-	-	23	27	30	32	36
		V	-	-	-	21	25	29	33	39
φ 150	风量m <sup>3</sup> /h Air volume	131	163	196	228	261	294	326	392	
	静压损失pa Static pressure loss	H	4	6	8	11	14	18	22	32
		V	6	9	13	17	23	29	36	51
	扩散半径m Diffusion radius	H	0.9	1.1	1.4	1.5	1.8	2.1	2.4	2.9
	到达距离m Reach distance	V	1.3	1.7	2	2.4	2.7	3.1	3.6	4.3
	发生噪音dB (A) Noise	H	-	-	21	25	28	31	34	38
		V	-	-	-	23	27	31	35	41
φ 200	风量m <sup>3</sup> /h Air volume	231	288	346	403	461	519	576	692	
	静压损失pa Static pressure loss	H	4	6	8	11	14	18	22	32
		V	6	9	13	17	23	29	36	51
	扩散半径m Diffusion radius	H	1.3	1.6	2.0	2.3	2.6	2.9	3.2	3.9
	到达距离m Reach distance	V	1.7	2.1	2.5	2.9	3.4	3.8	4.2	5.0
	发生噪音dB (A) Noise	H	-	-	21	26	29	32	35	43
		V	-	-	-	23	28	32	36	43
φ 250	风量m <sup>3</sup> /h Air volume	359	448	538	628	718	807	897	1076	
	静压损失pa Static pressure loss	H	4	6	8	11	14	18	22	32
		V	6	9	13	17	23	29	36	51
	扩散半径m Diffusion radius	H	1.7	2.1	2.5	2.9	3.3	3.7	4.2	5.0
	到达距离m Reach distance	V	1.8	2.3	2.8	3.2	3.7	4.1	4.6	5.5
	发生噪音dB (A) Noise	H	-	-	22	27	31	34	38	43
		V	-	-	-	24	29	34	38	45
φ 300	风量m <sup>3</sup> /h Air volume	515	644	773	902	1031	1159	1288	1546	
	静压损失pa Static pressure loss	H	4	6	8	11	14	18	22	32
		V	6	9	13	17	23	29	36	51
	扩散半径m Diffusion radius	H	1.9	2.4	2.9	3.4	3.9	4.4	4.9	5.8
	到达距离m Reach distance	V	2.1	2.6	3.1	3.7	4.2	4.7	5.2	6.3
	发生噪音dB (A) Noise	H	-	-	24	28	32	35	39	44
		V	-	-	22	27	32	37	41	47
φ 350	风量m <sup>3</sup> /h Air volume	700	875	1050	1225	1400	1575	1750	2100	
	静压损失pa Static pressure loss	H	4	6	8	11	14	18	22	32
		V	6	9	13	17	23	29	36	51
	扩散半径m Diffusion radius	H	2.2	2.7	3.2	3.8	4.3	4.8	5.4	6.5
	到达距离m Reach distance	V	2.3	2.9	3.4	4.0	4.6	5.2	5.7	6.9
	发生噪音dB (A) Noise	H	-	-	25	29	33	36	39	45
		V	-	-	25	30	35	40	44	50

※H表示水平吹出，V表示垂直吹出，到达距离是指风口到风速0.5m/s处的距离。

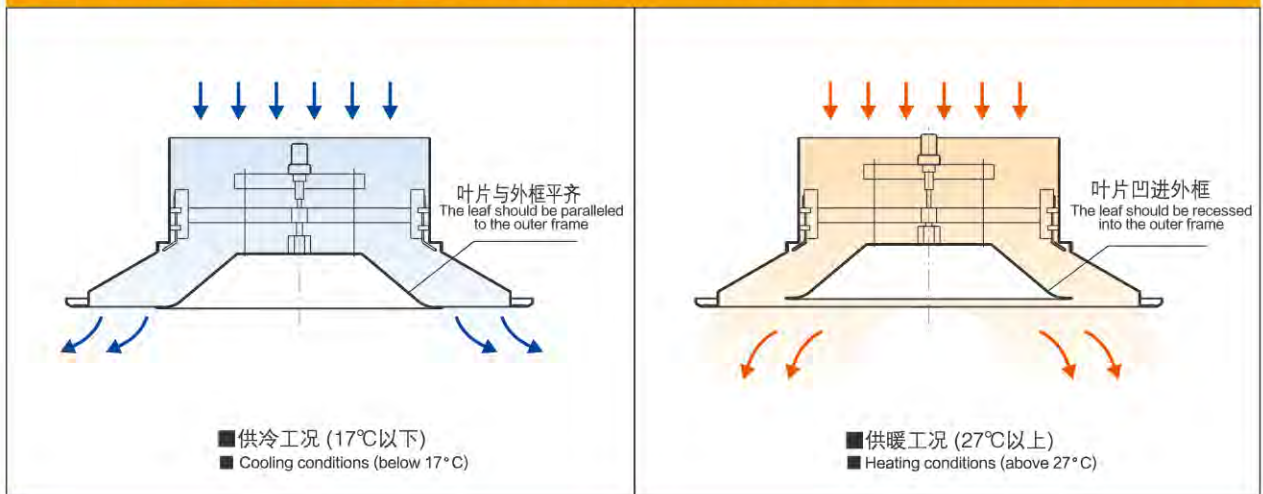
※H indicates horizontal blowing, V indicates vertical blowing, and the reaching distance is the distance from the tuyere to the wind speed of 0.5 m/s.

**SDF-7-PT温控方盘散流器** SDF-7-PT TEMPERATURE SENSING SQUARE DISC DIFFUSER ➤



- 特性:** SDF-7-PT温控方盘散流器变风向散流器颈部装有感温执行器, 能自动感测气流温度, 并驱动内层叶片在不同送风工况下作上下移动, 自动调整送风方向。当夏季送风温度 $\leq 17^{\circ}\text{C}$ 时, 内层叶片下移, 吹出气流呈水平贴附扩散形态; 当冬季送风温度 $\geq 27^{\circ}\text{C}$ 时, 内层叶片上移, 吹出气流呈垂直下送状态。可满足冬夏季不同工况下的送风要求。感温执行器无需人工或电源及电控设备, 具有节能、环保、性能稳定、安装简便、免维护等优点。
- Features:** SDF-7-PT temperature sensing square disc diffuser assembles temperature sensing actuator in the neck and it can sense the airflow temperature automatically. It can drive the inside leaf to move up and down under different air supply conditions to adjust air supply direction automatically. When the air supply temperature is  $\leq 17^{\circ}\text{C}$  in Summer, the inside leaf will move downward and blows the air horizontally in diffusion condition. When the air supply temperature is  $\geq 27^{\circ}\text{C}$  in Winter, the inside leaf will move upward and blows the air vertically. Therefore, it can meet air supply requirement both in Summer and Winter, The temperature sensing actuator doesn't need manual or power electronic equipment. It has such features as energy saving, environmental protection, stable function, simple assembly as well as easy maintenance.

**SDF-7-PT温控方盘散流器两种工况** SDF-7-PT temperature control square disk diffuser two working conditions ➤



**尺寸表** Size table ➤

规格 Specification	颈部尺寸 $\Phi C$ Neck size $\Phi C$	开孔尺寸 $B \times B$ Opening size $B \times B$	面部尺寸 $A \times A$ Face size $A \times A$
$\phi 125$	$\phi 124$	256 × 256	286 × 286
$\phi 150$	$\phi 149$	282 × 282	312 × 312
$\phi 200$	$\phi 199$	332 × 332	362 × 362
$\phi 250$	$\phi 249$	382 × 382	412 × 412
$\phi 300$	$\phi 299$	432 × 432	462 × 462
$\phi 350$	$\phi 349$	482 × 482	512 × 512

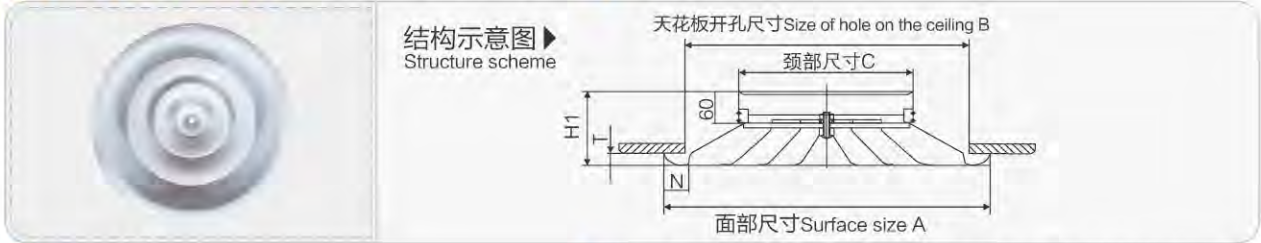
SDF-7-PT温控方盘散流器技术参数表 SDF-7-PT temperature control square disk diffuser technical parameter table

规格 Specification	颈部风速m/s Neck air velocity	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	
φ 125	风量m <sup>3</sup> /h Air volume	91	114	137	159	182	205	228	273	
	静压损失pa Static pressure loss	H	3	5	7	10	13	16	20	29
		V	5	7	10	14	19	24	29	42
	扩散半径m Diffusion radius	H	0.6	0.7	0.9	1.1	1.2	1.4	1.7	2.0
	到达距离m Reach distance	V	0.9	1.1	1.4	1.6	1.9	2.1	2.5	3.0
	发生噪音dB (A) Noise	H	-	-	-	22	26	29	32	36
V		-	-	-	22	26	29	33	38	
φ 150	风量m <sup>3</sup> /h Air volume	131	163	196	228	261	294	326	392	
	静压损失pa Static pressure loss	H	3	5	8	11	14	18	22	31
		V	5	9	12	17	22	28	34	49
	扩散半径m Diffusion radius	H	0.7	1.0	1.2	1.4	1.6	1.8	2.1	2.5
	到达距离m Reach distance	V	1.1	1.4	1.7	2	2.3	2.6	3.0	3.6
	发生噪音dB (A) Noise	H	-	-	-	23	27	30	33	39
V		-	-	-	24	28	32	36	42	
φ 200	风量m <sup>3</sup> /h Air volume	231	288	346	403	461	519	576	692	
	静压损失pa Static pressure loss	H	4	6	8	11	15	19	23	33
		V	6	10	15	20	26	33	40	58
	扩散半径m Diffusion radius	H	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.6
	到达距离m Reach distance	V	1.6	1.9	2.3	2.7	3.1	3.5	3.9	4.7
	发生噪音dB (A) Noise	H	-	-	-	23	27	31	34	40
V		-	-	22	27	31	35	39	45	
φ 250	风量m <sup>3</sup> /h Air volume	359	448	538	628	718	807	897	1076	
	静压损失pa Static pressure loss	H	4	6	9	12	16	20	25	36
		V	8	12	17	23	31	39	48	69
	扩散半径m Diffusion radius	H	1.7	2.1	2.5	2.9	3.3	3.7	4.1	5.0
	到达距离m Reach distance	V	1.9	2.4	2.9	3.3	3.8	4.3	4.8	5.7
	发生噪音dB (A) Noise	H	-	-	-	25	29	32	35	41
V		-	-	24	29	33	37	41	46	
φ 300	风量m <sup>3</sup> /h Air volume	515	644	773	902	1031	1159	1288	1546	
	静压损失pa Static pressure loss	H	4	7	10	14	18	23	28	40
		V	9	14	20	27	35	45	55	80
	扩散半径m Diffusion radius	H	2.0	2.4	2.9	3.4	3.9	4.4	4.9	5.9
	到达距离m Reach distance	V	2.3	2.8	3.4	4.0	4.5	5.1	5.6	6.8
	发生噪音dB (A) Noise	H	-	-	23	28	32	35	39	44
V		-	21	27	32	37	41	44	50	
φ 350	风量m <sup>3</sup> /h Air volume	700	875	1050	1225	1400	1575	1750	2100	
	静压损失pa Static pressure loss	H	5	8	11	15	20	25	31	44
		V	10	16	23	31	40	51	63	91
	扩散半径m Diffusion radius	H	2.2	2.7	3.2	3.8	4.3	4.8	5.4	6.5
	到达距离m Reach distance	V	2.5	3.1	3.8	4.4	5.0	5.6	6.3	7.5
	发生噪音dB (A) Noise	H	-	-	26	30	34	38	41	47
V		-	24	30	35	40	44	47	54	

※H表示水平吹出, V表示垂直吹出, 到达距离是指风口到风速0.5m/s处的距离。

※H means horizontal air supply condition, V means vertical air supply condition. The reach distance is measured when the air velocity is at 0.5m/s.

**SDF-9圆形散流器** SDF-9 ROUND DIFFUSER >>



■ **材质:** 铝板

■ **特性:**

- SDF-9圆型散流器为多层锥体结构，一般安装于冷暖房的天花板上，其吹出气流属贴附型，具有内部诱导性佳、送风温差大、吹出气流均匀、能抑制体感气流等特点。

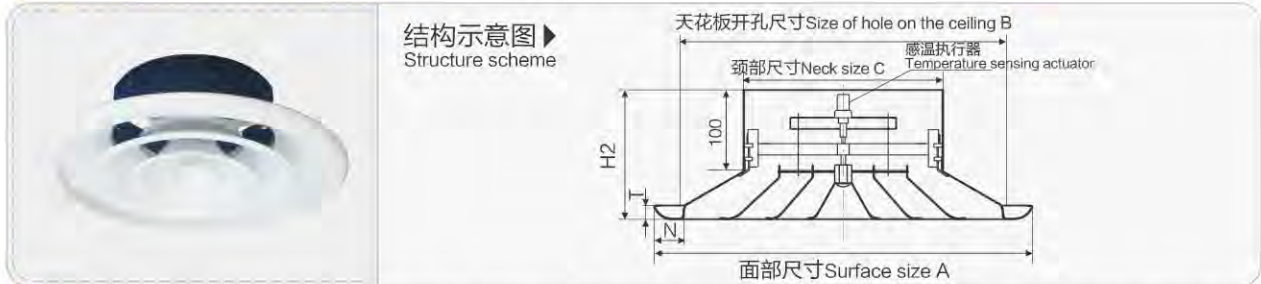
■ **Material:** Aluminum sheet

■ **Features:**

- SDF-9 round diffuser is a multilayer vertebral structure. It is usually installed on the ceiling of cooling and heating house. The air it blows is of attachment type and has such features as good inductivity, big supply air temperature difference, blowing uniform air and inhibition of somato sensory airflow.

- 内层叶片可根据冬夏季不同送风工况进行上下两档调节，夏季吹出气流呈水平，冬季吹出气流呈垂直。
- 叶片与外框为分离式结构，可方便拆卸和安装。
- 采用优质铝板旋压成形工艺，整体强度高、外形美观，表面可配合装饰要求进行静电喷塑。
- 可与SDA-3扇型风量调节阀配合使用，从正面即可方便调节风量。
- The inner leaf can be regulated up and down according to different air supply in winter or summer. The air is horizontal in summer and vertical in winter.
- It is a separate structure for the leaf and frame which is easy to disassemble and assemble.
- It is made by spinning forming process with high-quality aluminum plate and has high strength and beautiful outlook. Electrostatic spray can be applied to the surface according to the decorative requirement.
- It can be equipped with SDA-3 sector air volume control switch to adjust the air volume from the front side.

**SDF-9-T温控圆形散流器** SDF-9-T TEMPERATURE SENSING ROUND DIFFUSER >>



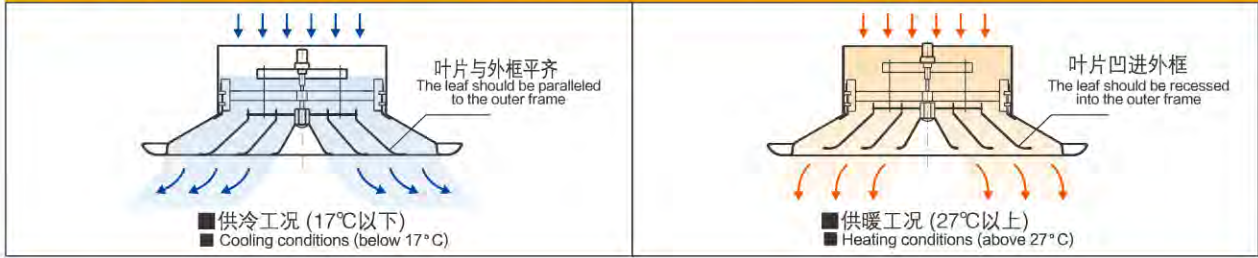
■ **特性:** SDF-9-T温控圆型散流器颈部装有感温执行器，能自动感测气流温度，并驱动内层叶片在不同送风工况下作上下移动，自动调整送风方向。当夏季送风温度 $\leq 17^{\circ}\text{C}$ 时，内层叶片下移，吹出气流呈水平贴附扩散形态；当冬季送风温度 $\geq 27^{\circ}\text{C}$ 时，内层叶片上移，吹出气流呈垂直下送状态。可满足冬夏季不同工况下的送风要求。感温执行器无需人工或电源及电控设备，具有节能、环保、性能稳定、安装简便、免维护等优点。

■ **Features:** SDF-9-T temperature sensing circular difuser assembles temperature sensing actuator in the neck and it can sense the airflow temperature aulomatically. It can drive the inside leaf to move up and down under different air supply conditions to adjust air supply direction automatically. When the air supply temperature is  $\leq 17^{\circ}\text{C}$  in Summer, the inside leaf will move downward and blows the air hozontaly in diffusion condition. When the air supply temperature is  $\geq 27^{\circ}\text{C}$  in Winter, the inside leaf will move upward and blows the air vertically. Therefore, it can meet air supply requirement both in Summer and Winter, The temperature sensing actuator doesn't need manual or power electronic equipment. It has such features as energy saving, environmental protection, stable fuction, simple assembly as well as easy maintenance.

尺寸表 Size table ▶

C	B	A	T	N	H1	H2
$\phi 150$	$\phi 255$	$\phi 300$	12	28	102	152
$\phi 200$	$\phi 330$	$\phi 382$	15	32	110	160
$\phi 250$	$\phi 412$	$\phi 472$	17	37	120	170
$\phi 300$	$\phi 495$	$\phi 562$	20	42	133	183
$\phi 350$	$\phi 575$	$\phi 650$	22	45	145	195
$\phi 400$	$\phi 660$	$\phi 742$	25	50	155	205

SDF-9-T温控圆形散流器气流吹出状态及安装方式 SDF-9-T temperature controlled circular diffuser airflow state and installation method



SDF-9圆形散流器技术参数表 SDF-9 circular diffuser technical parameter table

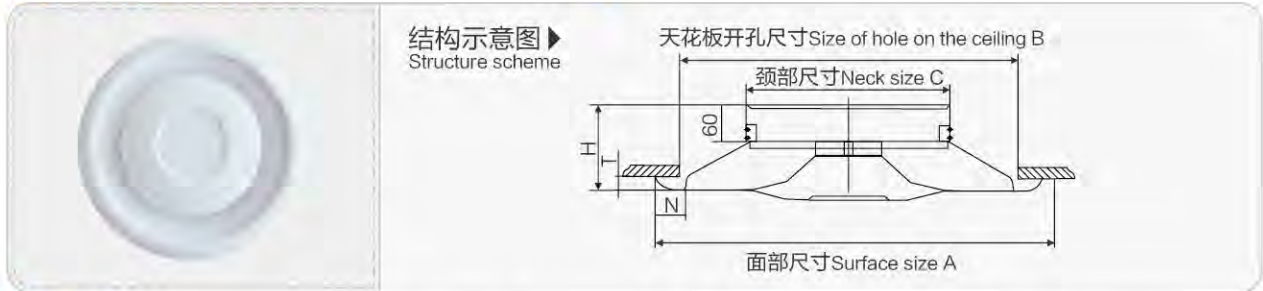
规格C specification 面积m <sup>2</sup> area	颈部风速m/s Neck air velocity	2	2.5	3	3.5	4	4.5	5	6	
		静压损失Pa Static pressure loss	H	2	3	5	7	9	11	14
		V	4	6	9	13	17	21	27	37
φ 150 (0.0177)	风量CMH Air volume		127	159	191	223	255	288	318	382
	扩散半径m Diffusion radius	H	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3
	到达距离m Reach distance	V	1.4	1.6	1.9	2.1	2.4	2.8	3.1	3.6
	发生噪音 Noise dB(A)	H	—	—	—	25	29	32	35	39
V		—	—	20	26	30	34	36	41	
φ 200 (0.0314)	风量CMH Air volume		226	283	339	396	452	508	565	678
	扩散半径m Diffusion radius	H	0.8	0.9	1.1	1.2	1.3	1.5	1.7	1.8
	到达距离m Reach distance	V	1.5	1.8	2.2	2.5	2.8	3.1	3.5	4.1
	发生噪音 Noise dB(A)	H	—	—	—	26	30	34	36	40
V		—	—	21	27	31	35	38	42	
φ 250 (0.0491)	风量CMH Air volume		353	442	530	619	707	795	884	1060
	扩散半径m Diffusion radius	H	0.9	1.1	1.3	1.5	1.7	1.8	2	2.2
	到达距离m Reach distance	V	1.7	2.3	2.7	3.2	3.6	4	4.5	5.2
	发生噪音 Noise dB(A)	H	—	—	21	27	31	35	38	43
V		—	—	23	29	33	36	40	45	
φ 300 (0.0707)	风量CMH Air volume		509	636	763	891	1018	1145	1273	1527
	扩散半径m Diffusion radius	H	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.5
	到达距离m Reach distance	V	2.2	2.6	3.2	3.8	4.3	4.8	5.3	6.3
	发生噪音 Noise dB(A)	H	—	—	23	29	33	36	39	43
V		—	—	25	30	34	38	40	45	
φ 350 (0.0962)	风量CMH Air volume		693	866	1039	1212	1385	1559	1732	2078
	扩散半径m Diffusion radius	H	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6
	到达距离m Reach distance	V	2.6	3.2	3.8	4.3	5.0	5.7	6.3	7.5
	发生噪音 Noise dB(A)	H	—	—	24	29	33	36	39	44
V		—	—	27	32	36	39	42	47	
φ 400 (0.1257)	风量CMH Air volume		905	1131	1357	1583	1809	2036	2262	2714
	扩散半径m Diffusion radius	H	1.4	1.7	2.0	2.3	2.5	2.7	2.9	3.2
	到达距离m Reach distance	V	3.2	4	4.9	5.6	6.3	7.2	8.1	9.6
	发生噪音 Noise dB(A)	H	—	—	26	31	35	38	41	45
V		—	21	28	33	37	40	43	48	
φ 450 (0.159)	风量CMH Air volume		1145	1431	1718	2004	2290	2576	2863	3435
	扩散半径m Diffusion radius	H	1.6	1.9	2.2	2.5	2.8	3	3.3	3.7
	到达距离m Reach distance	V	3.6	4.6	5.6	6.5	7.5	8.5	9.5	11
	发生噪音 Noise dB(A)	H	—	—	28	33.0	36.0	40	43	47
V		—	24	30	35	39	43	45	50	

※H指水平吹出状态，V指垂直吹出状态，到达距离为风速在0.5m/s处测得。

※H means horizontal air supply condition, V means vertical air supply condition. The reach distance is measured when the air velocity is at 0.5m/s.



SDF-10圆盘散流器 SDF-10 DISC DIFFUSER >>



- **材质:** 铝板
- **特性:**
  - SDF-10圆盘散流器的叶片为盘状结构，其吹出气流不易减速，相比于SDF-9型其到达距离更远，可装在较高的天花板上。
  - 内层叶片可根据冬夏季节不同送风工况进行上下两档调节，夏季吹出气流呈水平，冬季吹出气流呈垂直。
- **Material:** Aluminum sheet
- **Features:**
  - The leaf of SDF-10 type is disc structure and the air speed is not easy to reduce. Compared with SDF-9 type, it reaches further distance and can be installed on higher ceiling.
  - The inner leaf can be regulated up and down according to different air supply in winter or summer. The air is horizontal in summer and vertical in winter.
- 叶片与外框为分离式结构，可方便拆卸和安装。
- 采用优质铝板旋压成形工艺，整体强度高、外形美观，表面可配合装饰要求进行静电喷塑。可与SDA-3扇型风量调节阀配合使用。
- It is a separate structure for the leaf and frame which is easy to disassemble and assemble.
- It is made by spinning forming process with high-quality aluminum plate and has high strength and beautiful outlook, Electrostatic spray can be applied to the surface according to the decorative requirement.
- It can be equipped with SDA-3 sector air volume control switch.

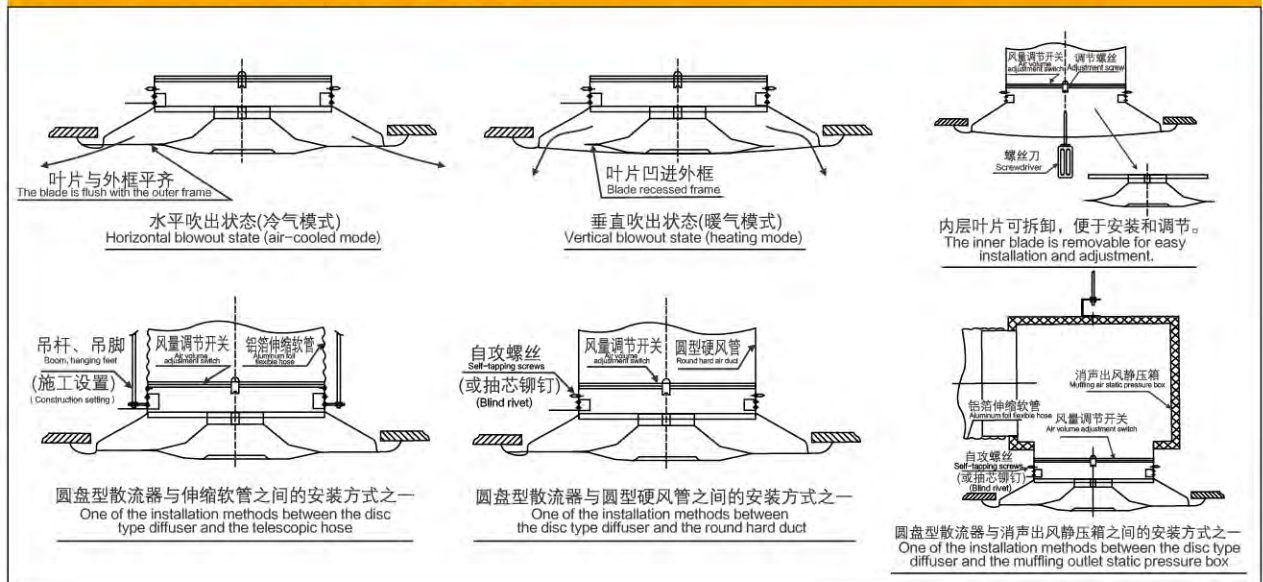
尺寸表 Size table >

C	B	A	T	N	H
φ 150	φ 255	φ 300	12	28	102
φ 200	φ 330	φ 382	15	32	110
φ 250	φ 412	φ 472	17	37	120
φ 300	φ 495	φ 562	20	42	133
φ 350	φ 575	φ 650	22	45	145
φ 400	φ 660	φ 742	25	50	155

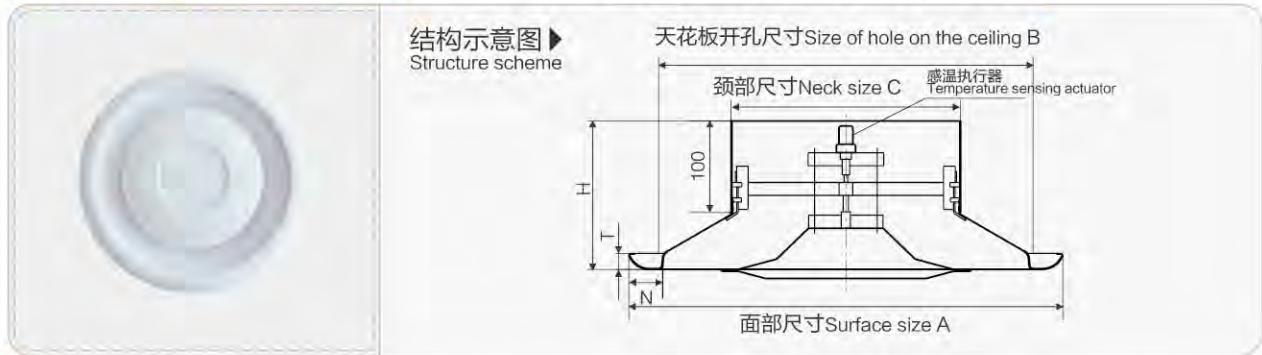
SDA-3扇形风量调节阀 >  
SDA-3 fan air volume control valve



SDF-10圆盘散流器气流吹出状态及安装方式 SDF-10 disc diffuser airflow state and installation method >



**SDF-10-T温控圆盘散流器** SDF-10-T TEMPERATURE SENSING DISC DIFFUSER



**特性:**

SDF-10-T温控圆盘散流器颈部装有感温执行器，能自动感测气流温度，并驱动内层叶片在不同送风工况下作上下移动，自动调整送风方向。当夏季送风温度 $\leq 27^{\circ}\text{C}$ 时，内层叶片上移，吹出气流呈垂直下送状态。可满足冬夏季不同工况下的送风要求。感温执行器无需人工或电源及电控设备，具有节能、环保、性能稳定、安装简便、免维护等优点。

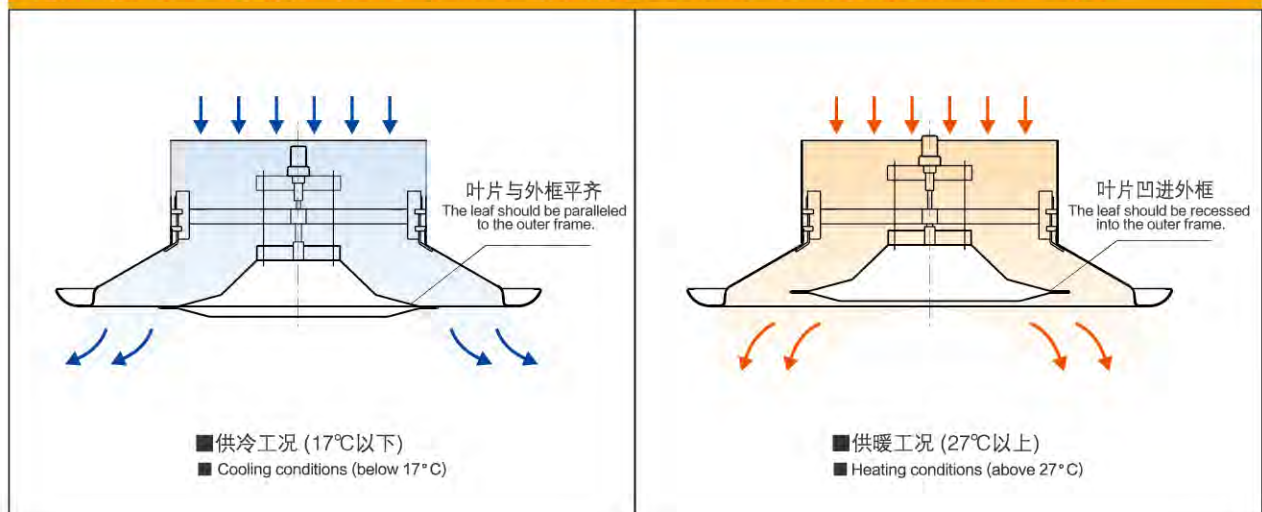
**Features:**

SDF-10-T temperature sensing disc type difuser assembles temperature sensing actuator in the neck and it can sense the airflow temperature automatically. It can drive the inside leaf to move up and down under different air supply conditions to adjust air supply direction automatically. When the air supply temperature is  $\leq 17^{\circ}\text{C}$  in Summer, the inside leaf will move downward and blows the air horizontally in diffusion condition. When the air supply temperature is  $\geq 27^{\circ}\text{C}$  in Winter, the inside leaf will move upward and blows the air vertically. Therefore, it can meet air supply requirement both in Summer and Winter, The temperature sensing actuator doesn't need manual or power electronic equipment. It has such features as energy saving, environmental protection, stable fuction, simple assembly as well as easy maintenance.

**尺寸表 Size table**

C	B	A	T	N	H
$\phi 150$	$\phi 255$	$\phi 300$	12	28	152
$\phi 200$	$\phi 330$	$\phi 382$	15	32	160
$\phi 250$	$\phi 412$	$\phi 472$	17	37	170
$\phi 300$	$\phi 495$	$\phi 562$	20	42	183
$\phi 350$	$\phi 575$	$\phi 650$	22	45	195
$\phi 400$	$\phi 660$	$\phi 742$	25	50	205

**SDF-10-T温控圆盘散流器两种工况** SDF-10-T temperature control disc diffuser two working conditions



■ 供冷工况 ( $17^{\circ}\text{C}$ 以下)  
■ Cooling conditions (below  $17^{\circ}\text{C}$ )

■ 供暖工况 ( $27^{\circ}\text{C}$ 以上)  
■ Heating conditions (above  $27^{\circ}\text{C}$ )

SDF-10-T温控圆盘散流器技术参数表 SDF-10-T temperature control disc diffuser technical parameter table ▶

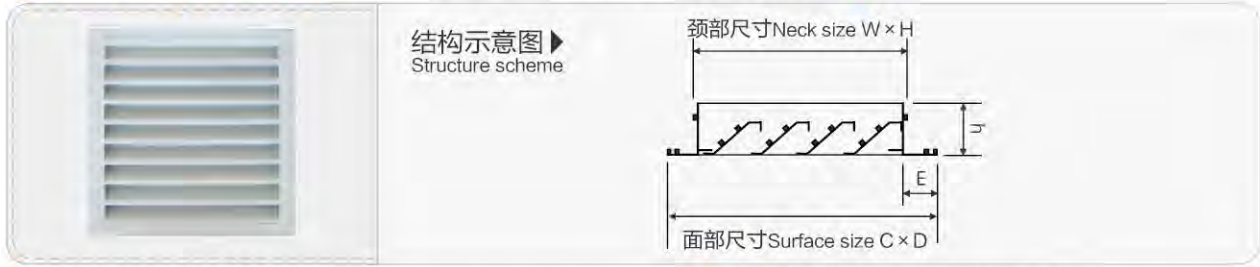
规格C specification (面积m <sup>2</sup> ) area	颈部风速m/s Neck air velocity		2	2.5	3	3.5	4	4.5	5	6
		静压损失Pa Static pressure loss	H	7	11	15	21	28	35	43
V			8	13	18	25	33	41	51	73
φ 150 (0.0177)	风量CMH Air volume		127	159	191	223	255	288	318	382
	扩散半径m Diffusion radius	H	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.5
		V	2.1	2.7	3.2	3.8	4.3	4.9	5.5	6.5
	发生噪音 Noise dB(A)	H	—	—	24	29	33	37	40	44
V		—	—	25	30	34	38	41	45	
φ 200 (0.0314)	风量CMH Air volume		226	283	339	396	452	508	565	678
	扩散半径m Diffusion radius	H	0.8	0.9	1.1	1.2	1.3	1.5	1.7	1.9
		V	3.0	3.8	4.6	5.4	6.2	7	7.8	9.3
	发生噪音 Noise dB(A)	H	—	—	25	29	34	38	41	45
V		—	—	26	30	35	39	42	46	
φ 250 (0.0491)	风量CMH Air volume		353	442	530	619	707	795	884	1060
	扩散半径m Diffusion radius	H	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3
		V	3.8	4.8	5.9	6.9	7.9	8.9	10	12
	发生噪音 Noise dB(A)	H	—	20	25	30	34	38	41	46
V		—	21	26	31	35	39	42	47	
φ 300 (0.0707)	风量CMH Air volume		509	636	763	891	1018	1145	1273	1527
	扩散半径m Diffusion radius	H	1.1	1.3	1.5	1.7	1.9	2.1	2.4	2.7
		V	5	6.3	7.6	9.0	10.3	11.6	12.9	15.6
	发生噪音 Noise dB(A)	H	—	21	26	31	35	39	42	47
V		—	22	27	32	36	40	43	48	
φ 350 (0.0962)	风量CMH Air volume		693	866	1039	1212	1385	1559	1732	2078
	扩散半径m Diffusion radius	H	1.2	1.4	1.6	1.8	2.1	2.4	2.7	3
		V	5.4	6.8	8.4	9.7	11.1	12.6	14	16.9
	发生噪音 Noise dB(A)	H	—	22	27	32	36	40	43	49
V		—	23	28	33	37	41	44	50	
φ 400 (0.1257)	风量CMH Air volume		905	1131	1357	1583	1809	2036	2262	2714
	扩散半径m Diffusion radius	H	1.4	1.7	2.0	2.3	2.5	2.7	2.9	3.2
		V	5.8	7.3	8.9	10.4	12.0	13.5	15	18.1
	发生噪音 Noise dB(A)	H	—	23	28	33	37	41	44	50
V		21	24	29	34	38	42	45	51	
φ 450 (0.159)	风量CMH Air volume		1145	1431	1718	2004	2290	2576	2863	3435
	扩散半径m Diffusion radius	H	1.6	1.9	2.2	2.5	2.8	3	3.3	3.7
		V	6.2	7.7	9.3	10.8	12.4	13.5	15.4	18.5
	发生噪音 Noise dB(A)	H	—	24	30	35	39	43	45	50
V		22	25	31	36	40	44	46	51	

※H指水平吹出状态，V指垂直吹出状态，到达距离为风速在0.5m/s处测得。

※H means horizontal air supply condition, V means vertical air supply condition.

The reach distance is measured when the air velocity is at 0.5m/s.

SDF-11防水百叶风口 SDF-11 WATERPROOF LOUVER AIR OUTLET >>

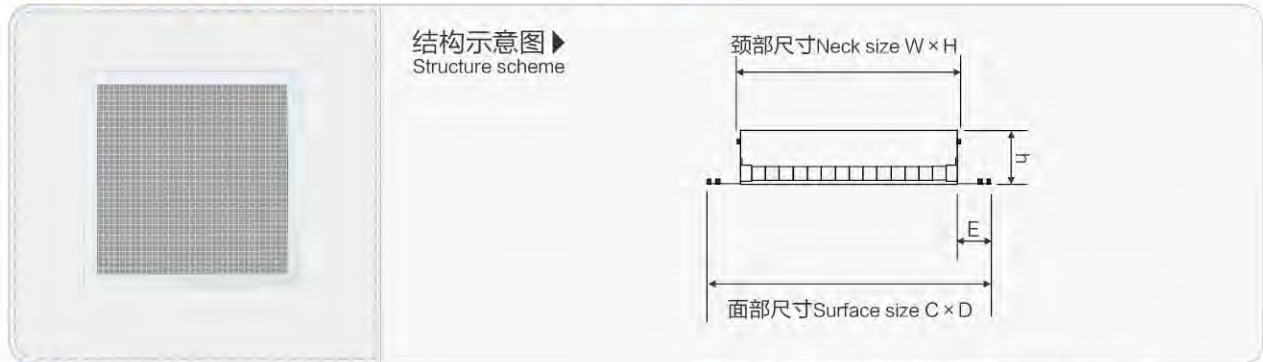


- **材质:** 铝合金型材
- **特性:** SDF-11防水百叶风口其叶片设计有防水功能, 尤其适合安装在外墙及地下室机房的回风系统上, 叶片为固定式。
- **规格尺寸:** (W × H) 尺寸可依据设计制造
- **Material:** Aluminum alloy sections
- **Features:** ● The leaf for SDF-11 waterproof return air louver outlet is designed to be waterproof, which can be installed on outer wall or return air system of the basement room. The leaf is of fixed type.
- **Specification:** (W × H) size can be manufactured according to the design
- **表面处理:** 静电喷塑、烤漆或阳极处理
- **可加附件:** SDA-4尼龙过滤网、SDA-5铝合金过滤网  
※外框边宽尺寸E有一种: 32mm  
当E=32时、h=50、面尺寸=颈尺寸+54
- **Surface treatment:** Electrostatic spray, painting or anode treatment
- **Addible accessories:** SDA-4 nylon filter, SDA-5 aluminum alloy filter  
※There's one size for E of the outer frame: 32mm  
When E=32, h=50, surface size = neck size +54

SDF-11防水百叶风口技术参数表 SDF-11 waterproof louver tyure technical parameter table ▶

面积 Area m <sup>2</sup>	颈部尺寸 (W × H) Neck size mm	风速M/S Air velocity	2	2.5	3	3.5	4	5	6
		动压(mmAq) Dynamic pressure	0.25	0.4	0.55	0.75	1.0	1.55	2.2
		静压损失(mmAq) static pressure loss	2.6	4.0	5.7	7.0	8.2	9.6	13.5
0.025	250 × 100	风量CMH Aire volume	180	225	270	315	360	450	540
	200 × 125	NC	18	24	26	30	33	38	44
0.03	300 × 100	风量CMH Air volume	216	270	324	378	432	540	648
	200 × 150	NC	20	26	29	33	36	41	47
0.04	400 × 100	风量CMH Air volume	288	360	432	504	576	720	864
	250 × 150	NC	22	28	31	35	38	43	49
0.045	350 × 125	风量CMH Air volume	324	405	486	567	648	810	972
	300 × 150	NC	23	29	32	36	39	44	50
0.05	350 × 150	风量CMH Air volume	360	450	540	630	720	900	1080
	250 × 200	NC	24	30	33	37	40	45	51
0.06	600 × 100	风量CMH Air volume	432	540	648	756	864	1080	1296
	400 × 150	NC	25	31	34	38	41	46	52
0.075	600 × 125 350 × 200	风量CMH Air volume	540	675	810	945	1080	1350	1620
	500 × 150 300 × 250	NC	26	32	35	39	42	47	53
0.09	700 × 125 400 × 200	风量CMH Air volume	648	810	972	1134	1296	1620	1944
	550 × 150 350 × 250	NC	27	33	36	40	43	48	54
0.1	750 × 125 450 × 200	风量CMH Air volume	720	900	1080	1260	1440	1800	2160
	650 × 150 400 × 250	NC	28	34	37	41	44	49	55
0.12	900 × 125 450 × 250	风量CMH Air volume	864	1080	1296	1512	1728	2160	2592
	650 × 150 350 × 300	NC	29	35	38	42	45	50	56
0.128	850 × 150 500 × 250	风量CMH Air volume	922	1152	1382	1612	1843	2304	2756
	600 × 200 400 × 300	NC	29	35	39	43	46	51	57
0.135	1200 × 125 450 × 300	风量CMH Air volume	972	1215	1458	1700	1944	2430	2916
	900 × 150 400 × 350	NC	30	36	40	44	47	52	58
0.18	900 × 200 600 × 300	风量CMH Air volume	1296	1620	1944	2268	2592	3240	3888
	750 × 250 450 × 400	NC	31	37	41	45	48	53	59
0.27	750 × 350 600 × 450	风量CMH Air volume	1944	2430	2915	3402	3888	4860	5832
	650 × 400 550 × 500	NC	33	40	45	48	52	57	62
0.36	1200 × 300 750 × 450	风量CMH Air volume	2592	3240	3888	4536	5184	6480	7776
	900 × 400 600 × 600	NC	37	42	47	51	56	61	67

- NC值以室内吸收衰减量10dB又10<sup>-12</sup>瓦特为基准
- NC value is based on the value of the indoor absorption attenuation to be 10dB and 10<sup>-12</sup> watt.

**SDF-12蛋格式风口** SDF-12 EGG FORMAT OUTLET >>

■ **材质:** 铝合金型材

■ **特性:**

- SDF-12蛋格式回风口适用于空调工程系统作回风用，一般安装于天花板上。
- 回风有效面积大，回风效果佳。
- 叶片为固定式，叶片间距 $13 \times 13$ 。
- SDF-12蛋格式回风口也作出风口用。

■ **Material:** Aluminum alloy sections

■ **Features:** ● SDF-12 egg format outlet is used for air return about air conditioning system, which is installed on the ceiling.

- It has bigger effective area and better result for air return.
- The leaf is fixed and the distance between them is  $13 \times 13$ .
- SDF-12 egg format return air outlet is also used for air outlet.

■ **Specification:** (W x H) size can be manufactured according to the design

■ **规格尺寸:** (W x H) 尺寸可依据设计制造

■ **表面处理:** 静电喷塑、烤漆或阳极处理

■ **可加附件:** SDA-1人字调节阀、SDA-4尼龙过滤网、SDA-5铝合金过滤网

※外框边宽尺寸E有二种: 23mm、32mm

当E=23时、h=40、面尺寸=颈尺寸+37

当E=32时、h=50、面尺寸=颈尺寸+54

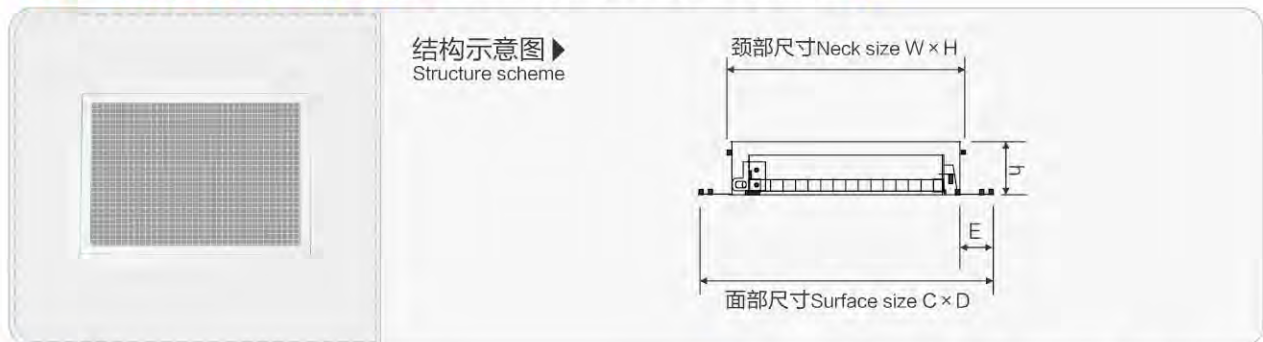
■ **Surface treatment:** Electrostatic spray, painting or anode treatment

■ **Addible accessories:** SDA-1 air volume control switch, SDA-4 nylon filter, SDA-5 aluminum alloy filter

※There's two sizes for E of the outer frame: 23mm, 32mm

When E=23, h=40, surface size = neck size +37

When E=32, h=50, surface size = neck size +54

**SDF-12K可开式蛋格式风口** SDF-12K EGG FORMAT OPEN OUTLET >>

■ **材质:** 铝合金型材

■ **特性:**

- SDF-12K可开式蛋格式风口是在SDF-12蛋格式风口的基础上增加了一个内边框，整个风口呈活门型式，有利于安装和过滤网的配套使用，常用于客房、大厅的回风。

■ **Material:** Aluminum alloy sections

■ **Features:** ● SDF-12K egg format open outlet has increased an internal frame based on SDF-12 egg format return air outlet. The whole air outlet is of valve type, which is easy to install and equip with filter. It is widely used for air return in guest rooms and lobbies of the hotel,

- The valve can be opened easily when you move the bolt on both sides and then take the filter out and clean it. The spring bolt on both sides can be locked automatically if you push the valve. The outer surface looks very even.

- 用手轻拨活门上两边门栓，活门即可打开、抽出过滤网洗清，关闭时，只要将活门推上，两边弹簧门栓即可自动上锁，外表平整如一。

■ **规格尺寸:** (W x H) 尺寸可依据设计制造

■ **表面处理:** 静电喷塑、烤漆或阳极处理

■ **Surface treatment:** (W x H) size can be manufactured according to the design

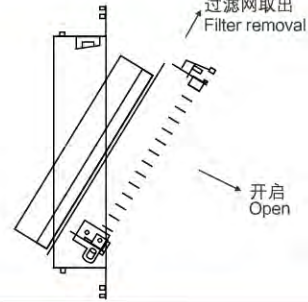
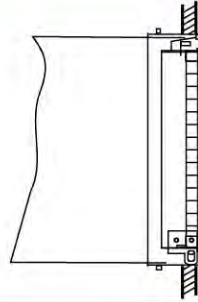
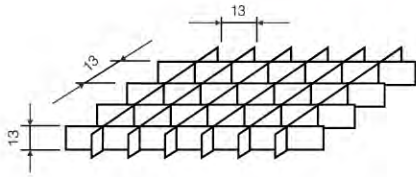
■ **Surface treatment:** Electrostatic spray, painting or anode treatment

■ **Addible accessories:** SDA-4 nylon filter, SDA-5 aluminum alloy filter

叶片形式 Blade form ▶

SDF-12K安装方式之一 ▶  
SDF-12K One of the installation methods

SDF-12K+SDA-4尼龙过滤网 ▶  
SDF-12K+SDA-4 nylon filter

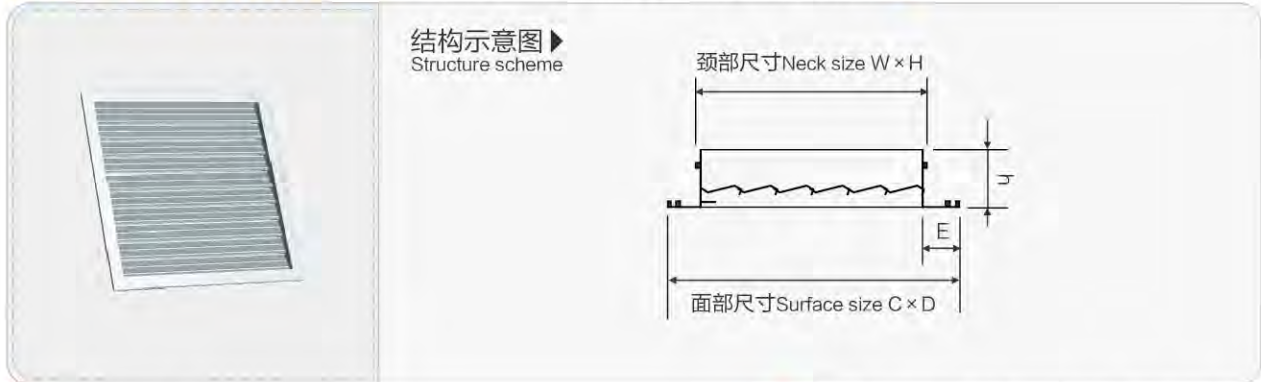


SDF-12蛋格式风口技术参数表 SDF-12 egg format tuyere technical parameter table ▶

面积 Area m <sup>2</sup>	颈部尺寸 (W×H) Neck size mm	风速M/S Air velocity	2	2.5	3	3.5	4	5	6
		动压(mmAq) Dynamic pressure	0.25	0.4	0.55	0.75	1.0	1.55	2.2
		静压损失(mmAq) Aire volume	0.7	1.1	1.5	2.1	2.7	4.2	6.1
0.025	250 × 100 200 × 125	风量CMH Air volume	180	225	270	315	360	450	540
		NC	28	31	33	34	36	38	39
0.03	300 × 100 200 × 150	风量CMH Air volume	216	270	324	378	432	540	648
		NC	38	31	33	34	36	38	39
0.04	400 × 100 250 × 150	风量CMH Air volume	288	360	432	504	576	720	864
		NC	28	31	33	34	35	38	39
0.045	350 × 125 300 × 150	风量CMH Air volume	324	405	486	567	648	810	972
		NC	28	30	32	34	35	37	39
0.05	350 × 150 250 × 200	风量CMH Air volume	360	450	540	630	720	900	1080
		NC	27	30	31	33	34	36	38
0.06	600 × 100 400 × 150	风量CMH Air volume	432	540	648	756	864	1080	1296
		NC	27	29	31	33	34	36	38
0.075	600 × 125 350 × 200 500 × 150 300 × 250	风量CMH Air volume	540	675	810	945	1080	1350	1620
		NC	26	29	30	32	33	35	37
0.09	700 × 125 400 × 200 550 × 150 350 × 250	风量CMH Air volume	648	810	972	1134	1296	1620	1944
		NC	26	28	30	32	33	35	37
0.1	750 × 125 450 × 200 650 × 150 400 × 250	风量CMH Air volume	720	900	1080	1260	1440	1800	2160
		NC	26	28	30	32	32	35	36
0.12	900 × 125 450 × 250 650 × 150 350 × 300	风量CMH Air volume	864	1080	1296	1512	1728	2160	2592
		NC	25	28	29	31	32	35	36
0.128	850 × 150 500 × 250 600 × 200 400 × 300	风量CMH Air volume	922	1152	1382	1612	1843	2304	2765
		NC	25	28	29	30	32	34	36
0.135	1200 × 125 450 × 300 900 × 150 400 × 350	风量CMH Air volume	972	1215	1458	1700	1944	2430	2916
		NC	25	27	28	30	31	33	35
0.18	900 × 200 600 × 300 750 × 250 450 × 400	风量CMH Air volume	1296	1620	1944	2268	2592	3240	3888
		NC	24	26	28	29	31	33	35
0.27	750 × 350 600 × 450 650 × 400 550 × 500	风量CMH Air volume	1944	2430	2915	3402	3888	4860	5832
		NC	23	25	27	28	30	32	34
0.36	1200 × 300 750 × 450 900 × 400 600 × 600	风量CMH Air volume	2592	3240	3888	4536	5184	6480	7776
		NC	22	24	26	27	29	31	33

■ NC值以室内吸收衰减量10dB又10<sup>-12</sup>瓦特为基准 ■ NC value is based on the value of the indoor absorption attenuation to be 10dB and 10<sup>-12</sup> watt.  
 ■ 依据A.D.C.标准测试 ■ It is tested according to A.D.C standard.

**SDF-13自垂式百叶风口** SDF-13 NATURAL DROOP LOUVER OUTLET >>



■ **材质:** 铝合金型材

■ **特性:** SDF-13自垂式百叶风口适用于具有正压的空调房间自动排气。通常情况下靠风口的百叶自重而自然下垂, 隔绝室内外的空气交换, 当室内气压大于室外气压时, 气流将百叶片吹开而向外排, 反之, 当室内气压小于室外时, 气流则不能反向流入室内, 该风口具有单向止回作用。

■ **Material:** Aluminum sheet

■ **Features:** SDF-13 natural droop louver outlet is used for automatic air venting in the air conditioning room with positive pressure. Usually it will take advantage of the louver's weight about the outlet and drops naturally to prevent the air exchange between the indoor and outdoor. When the indoor air pressure is higher than the outdoor air pressure, the airflow will be blown out from the louver. Otherwise, if the indoor air pressure is lower, the airflow cannot get into the room. Therefore, this outlet can be the retaining valve.

■ **规格尺寸:** (W x H) 尺寸可依据设计制造

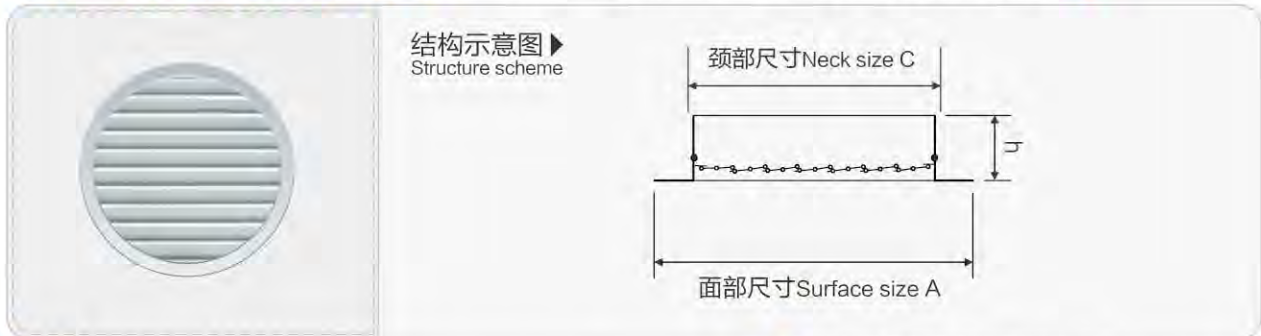
■ **表面处理:** 静电喷塑、烤漆或阳极处理  
※外框边宽尺寸E有二种: 23mm、32mm  
当E=23时、h=40、面尺寸=颈尺寸+37  
当E=32时、h=50、面尺寸=颈尺寸+54

■ **Specification:** (W x H) size can be manufactured according to the design

■ **Surface treatment:** Electrostatic spray, painting or anode treatment

※There's two sizes for E of the outer frame:  
23mm, 32mm  
When E=23, h=40, surface size = neck size +37  
When E=32, h=50, surface size = neck size +54

**SDF-13R圆形自垂百叶风口** SDF-13R CIRCULAR NATURAL DROOP LOUVER OUTLET >>



■ **材质:** 铝合金型材

■ **特性:** SDF-13R圆形自垂百叶风口适用于具有正压的空调房间自动排气。通常情况下靠风口的百叶自重而自然下垂, 隔绝室内外的空气交换, 当室内气压大于室外气压时, 气流将百叶片吹开而向外排, 反之, 当室内气压小于室外时, 气流则不能反向流入室内, 该风口具有单向止回作用。

■ **Material:** Aluminum sheet

■ **Features:** SDF-13R natural droop return air louver outlet is used for automatic air venting in the air conditioning room with positive pressure. Usually it will take advantage of the louver's weight about the outlet and drops naturally to prevent the air exchange between the indoor and outdoor. When the indoor air pressure is higher than the outdoor air pressure, the airflow will be blown out from the louver. Otherwise, if the indoor air pressure is lower, the airflow cannot get into the room. Therefore, this outlet can be the retaining valve.

■ **规格尺寸:** 尺寸可依据设计制造

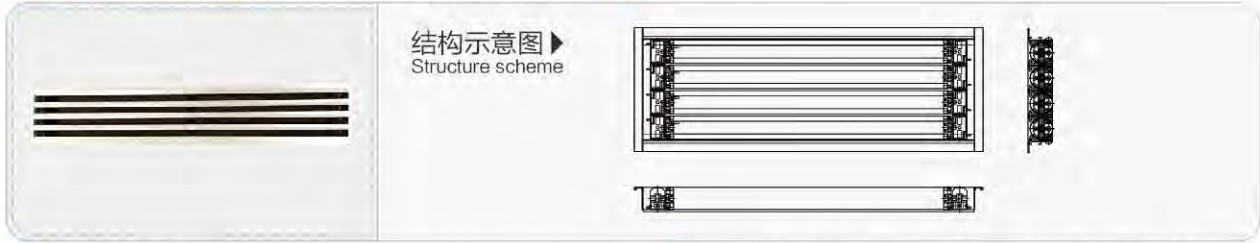
■ **表面处理:** 静电喷塑、烤漆或阳极处理  
※外框边宽尺寸E有二种: 23mm、32mm  
当E=23时、h=40、面尺寸=颈尺寸+37  
当E=32时、h=50、面尺寸=颈尺寸+54

■ **Specification:** It can be manufactured according to the design.

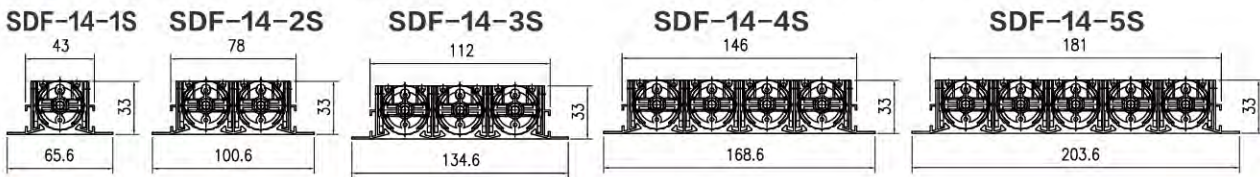
■ **Surface treatment:** Electrostatic spray, painting

※There's two sizes for E of the outer frame:  
23mm, 32mm  
When E=23, h=40, surface size = neck size +37  
When E=32, h=50, surface size = neck size +54

SDF-14条形风口 SDF-14 SLOTTED DIFFUSER



- **材质:** 铝合金型材
- **特性:**
  - SDF-14条形风口, 可作出风和回风使用, 每组槽内有两个可叶片, 用以控制气流方向及大小, 从外部就可方便地调整。
  - SDF-14条形风口, 一般安装在天花板上, 也可安装在侧墙或其它位置。
- **Material:** Aluminum alloy sections
- **Features:**
  - SDF-14 slotted diffuser can be used as both air supply and air return. There's two adjustable leaves in each slot in order to control the direction and volume of airflow. It can be also adjusted from outside.
  - SDF-14 slotted diffuser is usually installed on the ceiling but it can also be installed on side wall or other position.
- **规格尺寸:** SDF-14-1S SDF-14-2S SDF-14-3S SDF-14-4S
- **表面处理:** 静电喷塑、烤漆或阳极处理, 叶片颜色一般为黑色
  - ※可配合静压箱使用
  - ※最大长度为3米, 超过时, 可以把两节或多节拼起来使用。
- **Specification:** SDF-14-1S SDF-14-2S SDF-14-3S SDF-14-4S
- **Surface treatment:** Electrostatic spray, painting or anode treatment and the color of leaf is black.
  - ※ It can be equipped with plenum chamber.
  - ※ The longest length is 3 meters, if it is aver 3 meters, you can combine 2 or several parts together.



SDF-14条形风口技术参数表 (出风) SDF-14 crab claw type air outlet technical parameter table (out of the wind)

槽数 Slot No.	出口部风速m/s Air velocity at the outlet 全压损失 Total pressure loss (mmAq)	H	2	3	4	5	6	7	8	9	10
1槽 Slot 1	风量 CHM Air volume		146	218	290	362	434	516	588	650	730
	到达距离m Reach distance	H	1.6	2.2	3	3.8	4.6	5.3	6	6.9	7.7
		V	1.3	1.8	2.7	3.4	4.1	4.6	5.2	5.9	6.7
	扩散半径m Diffusion radius		1.2	1.7	2.6	3.1	3.7	4.1	4.9	5.5	6.2
	NC		24	26	29	32	35	38	40	42	44
2槽 Slot 2	风量 CHM Air volume		292	436	580	724	868	1032	1176	1300	1460
	到达距离m Reach distance	H	2.3	3.6	4.8	5.9	7.1	8.3	9.6	10.8	12.1
		V	2.1	3	4	5.1	6	7	8.2	9	10
	扩散半径m Diffusion radius		1.9	2.6	3.7	4.7	5.6	6.6	7.4	8.3	9
	NC		26	28	31	34	37	40	42	44	46
3槽 Slot 3	风量 CHM Air volume		438	654	870	1086	1302	1548	1764	1950	2190
	到达距离m Reach distance	H	2.8	4.3	5.9	7.3	8.7	10.2	11.8	13.3	14.8
		V	2.4	3.8	5	6	7.5	8.7	10	11.2	12.5
	扩散半径m Diffusion radius		2.2	3.5	4.6	5.8	7.1	8.3	9.5	10.8	11.9
	NC		27	30	33	36	39	42	44	46	48
4槽 Slot 4	风量 CHM Air volume		584	872	1160	1448	1736	2064	2352	2600	2920
	到达距离m Reach distance	H	3.2	4.9	6.6	8.3	9.9	11.6	13.2	15.1	16.6
		V	2.7	4.1	5.5	7.1	8.4	9.4	11.2	12.8	14
	扩散半径m Diffusion radius		2.7	3.9	5.8	6.7	7.9	8.6	10.2	11.9	12.9
	NC		28	31	34	37	40	43	45	47	49

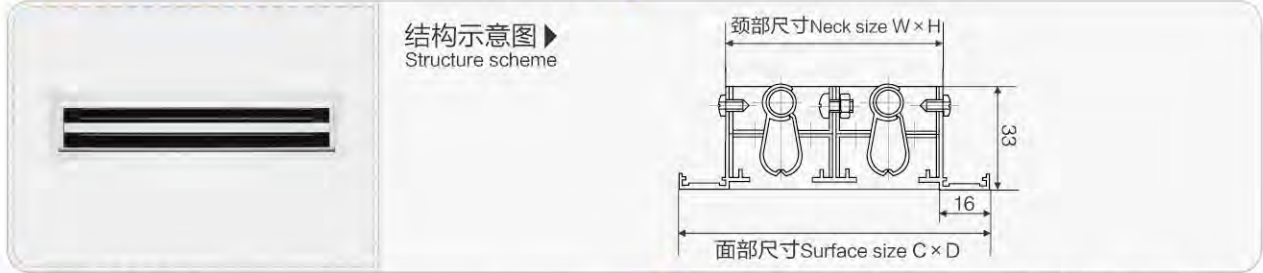
- 风口测试长度以1.2M为基准
- 到达距离以终端风速在0.5m/s~0.25m/s测得
- NC值以室内吸收衰减量10dB又10<sup>-12</sup>瓦特为基准
- NC值栏[-]表示NC在20以下
- 依据A.D.C.标准测试
- The testing length is based on 1.2M.
- The reach distance is measured when the terminal air velocity is at 0.5m/s—0.25m/s.
- NC value is based on the value of the indoor absorption attenuation to be 10dB and 10<sup>-12</sup>watt.
- [-] means NC value is below 20
- It is tested according to A.D.C standard.
- 风长度改变时, 则到达距离为NC修正值如下表
- If we change the length, the reach distance and NC value is corrected according to the following form.

有效长度 (M) Effective length	0.6	1.2	2.4
出风NC Air supply	-5	0	3
回风NC Air return	-3	0	2

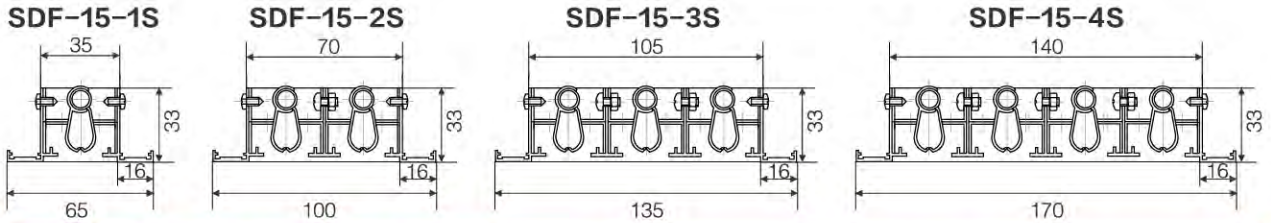
例: 若长度为2M时则NC值加3, 而到达距离均乘以1.2倍  
Eg: If the length is 2M, NC value plus 3 while the reach distance multiply 1.2.



SDF-15爪型风口 SDF-15 SLOTTED DIFFUSER



- **材质:** 铝合金型材
- **特性:** SDF-15爪型风口, 可作出风和回风使用, 每组槽内有两个可调叶片, 用以控制气流方向及大小, 从外部就可方便地调整。
- **Material:** Aluminum alloy sections
- **Features:** SDF-15 slotted diffuser can be used as both air supply and air return. There's two adjustable leaves in each slot in order to control the direction and volume of airflow. It can be also adjusted from outside.
- **表面处理:** 静电喷塑、烤漆或阳极处理, 叶片颜色一般为黑色
- ※可配合静压箱使用
- ※最大长度为3米, 超过时, 可以把两节或多节拼起来使用。
- **Surface treatment:** Electrostatic spray, painting or anode treatment and the color of leaf is black.
- ※It can be equipped with plenum chamber.
- ※The longest length is 3 meters, if it is over 3 meters, you can combine 2 or several parts together.



SDF-15爪型风口技术参数表 (出风) SDF-15 claw type air outlet technical parameter table (outlet)

槽数 Slot No.	全压损失 Total pressure loss (mmAq)	H	0.1	0.4	1.0	1.6	2.5	3.6	5.0	6.4
			V	0.05	0.3	0.6	1.0	1.5	2.2	3.0
1槽 Slot 1	风量CMH Air volume		55	105	165	215	275	325	385	435
	到达距离m Reach distance	H	0.3-0.9	0.9-3.2	2.4-3.9	3.2-4.5	3.5-5.0	3.8-5.6	4.2-6.0	4.5-6.5
		V	0.6	2.4	3.6	4.2	1.5	5.1	5.4	5.7
	NC		-	-	-	-	23	28	33	37
2槽 Slot 2	风量CMH Air volume		105	215	325	435	545	650	760	870
	到达距离m Reach distance	H	0.6-1.8	1.8-4.5	3.5-5.6	4.5-6.5	5.0-7.2	5.6-8.0	7.5-8.4	6.5-9.2
		V	1.5	3.3	4.8	5.6	6.5	7.2	7.8	8.4
	NC		-	-	-	21	28	33	38	42
3槽 Slot 3	风量CMH Air volume		165	325	485	650	815	980	1140	1305
	到达距离m Reach distance	H	0.9-3.0	3.0-5.6	4.8-6.8	5.6-8.0	6.2-9.0	6.8-9.5	7.5-10.5	8.0-11.0
		V	2.0	3.8	6.0	7.2	8.0	8.6	9.5	10.2
	NC		-	-	-	24	31	36	41	45
4槽 Slot 4	风量CMH Air volume		215	435	650	870	1085	1305	1520	1740
	到达距离m Reach distance	H	0.9-3.3	3.3-6.5	5.0-8.0	6.5-9.2	7.2-10.2	8.0-11.0	8.6-12.0	9.2-12.8
		V	2.4	4.5	6.8	8.4	9.2	10.2	10.8	11.6
	NC		-	-	-	26	33	38	43	47

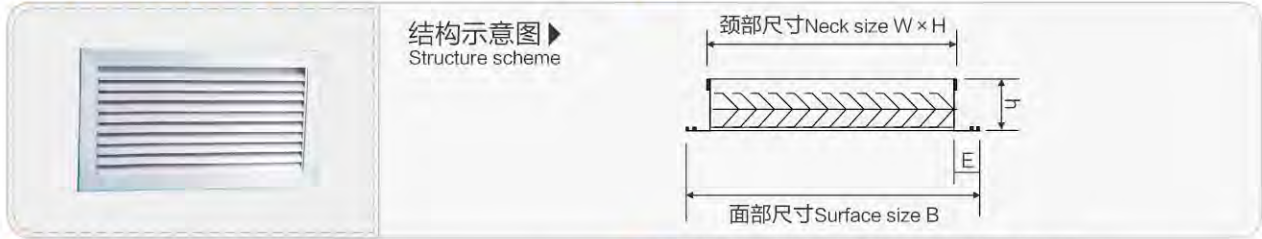
- 风口测试长度以1.2M为基准
- 到达距离以终端风速在0.5m/s~0.25m/s测得
- NC值以室内吸收衰减量10dB又10<sup>-12</sup>瓦特为基准
- NC值栏[-]表示NC在20以下
- 依据A.D.C.标准测试
- The testing length is based on 1.2M.
- The reach distance is measured when the terminal air velocity is at 0.5m/s—0.25m/s.
- NC value is based on the value of the indoor absorption attenuation to be 10dB and 10<sup>-12</sup>watt.
- [-] means NC value is below 20
- It is tested according to A.D.C standard.

- 风长度改变时, 则到达距离为NC修正值如下表
- If we change the length, the reach distance and NC value is corrected according to the following form.

有效长度 (M) Effective length	0.6	1.2	2.4
出风NC Air supply	-5	0	3
回风NC Air return	-3	0	2

例: 若长度为2M时则NC值加3, 而到达距离均乘以1.2倍  
Eg: If the length is 2M, NC value plus 3 while the reach distance multiply 1.2.

**SDF-17遮光型风口** SDF-17 SHADING OUTLET



- **材质:** 铝合金型材
- **特性:**
  - SDF-17遮光型风口叶片呈A型纵向排列, 除应用于回风系统外, 兼具有遮光之效果, 适用于一般暗房, 电影院等须阻隔光线之场合。
  - SDF-17遮光型风口外框及叶片, 组合牢固, 其结构强度较优于其它之回风口。
- **Material:** Aluminum alloy sections
- **Features:**
  - The leaf for SDF-17 shading outlet is end to end placed like an "A" It is not only used in air return system but also used in dark room like cinemas which need to prevent the light.
  - The outer frame and leaf is combined very solid and it's structure strength is better than other outlets.

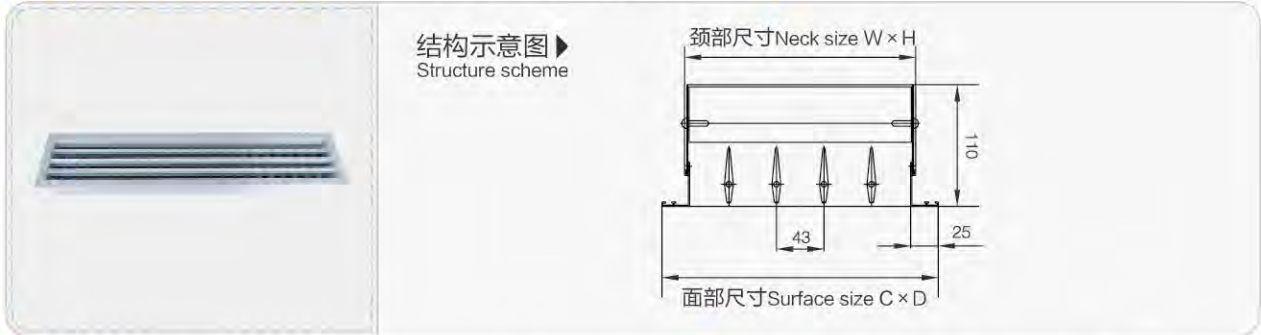
- **规格尺寸:** (W x H) 尺寸可依据设计制造
- **表面处理:** 静电喷塑、烤漆或阳极处理
- **可加附件:** SDF-4尼龙过滤网、SDF-5铝合金过滤网  
※外框边宽尺寸E有二种: 23mm、32mm  
当E=23时、h=40、面尺寸=颈尺寸+37  
当E=32时、h=50、面尺寸=颈尺寸+54
- **Specification:** (W x H) size can be manufactured according to the design
- **Surface treatment:** Electrostatic spray, painting or anode treatment
- **Addable accessories:** SDA-4 nylon filter, SDA-5 aluminium alloy filter  
※There's two sizes for E of the outer frame: 23mm, 32mm  
When E=23, h=40, surface size = neck size +37  
When E=32, h=50, surface size = neck size +54

**SDF-17遮光型风口技术参数表** SDF-17 shading type air interface technical parameter list

面积 Area m <sup>2</sup>	颈部尺寸 (W×H) Neck size mm	风速M/S Air velocity	1.5	2	2.5	3	3.5	4	4.5
		动压(mmAq)Dynamic pressure	0.16	0.25	0.4	0.55	0.75	1.0	1.25
		静压损失(mmAq) static pressure loss	3.4	5.9	9.3	13.3	18.1	23.6	29.8
0.025	250 × 100	风量CMH Air volume	135	180	225	270	315	360	405
	200 × 125	NC	29	38	46	50	56	58	62
0.03	300 × 100	风量CMH Air volume	162	216	270	324	378	432	486
	200 × 150	NC	30	40	47	51	57	59	63
0.04	400 × 100	风量CMH Air volume	216	288	360	432	504	576	648
	250 × 150	NC	31	41	48	53	58	60	64
0.045	350 × 125	风量CMH Air volume	243	324	405	486	567	648	729
	300 × 150	NC	32	42	49	54	58	61	65
0.05	350 × 150	风量CMH Air volume	270	360	450	540	630	720	810
	250 × 200	NC	32	42	49	54	58	61	65
0.06	600 × 100	风量CMH Air volume	324	432	540	648	756	864	972
	400 × 150	NC	33	43	50	54	59	62	66
0.075	600 × 125 350 × 200	风量CMH Air volume	405	540	675	810	945	1080	1215
	500 × 150 300 × 250	NC	34	43	50	54	59	63	67
0.09	700 × 125 400 × 200	风量CMH Air volume	486	648	810	972	1134	1296	1458
	550 × 150 350 × 250	NC	34	44	50	55	60	64	68
0.1	750 × 125 450 × 200	风量CMH Air volume	540	720	900	1080	1260	1440	1620
	650 × 150 400 × 250	NC	35	45	50	56	61	65	69
0.12	900 × 125 450 × 250	风量CMH Air volume	648	864	1080	1296	1512	1728	1944
	650 × 150 350 × 300	NC	36	45	51	57	62	66	70
0.128	850 × 150 500 × 250	风量CMH Air volume	691	922	1152	1382	1612	1843	2073
	600 × 200 400 × 300	NC	36	46	51	57	62	66	70
0.135	1200 × 125 450 × 300	风量CMH Air volume	729	972	1215	1458	1700	1944	2187
	900 × 150 400 × 350	NC	36	46	51	57	62	66	70
0.18	900 × 200 600 × 300	风量CMH Air volume	972	1296	1620	1944	2268	2592	2916
	750 × 250 450 × 400	NC	36	46	51	57	62	66	70
0.27	750 × 350 600 × 450	风量CMH Air volume	1458	1944	2430	2915	3402	3888	4374
	650 × 400 550 × 500	NC	36	46	51	57	62	66	70
0.36	1200 × 300 750 × 450	风量CMH Air volume	1944	2592	3240	3888	4536	5184	5832
	900 × 400 600 × 600	NC	36	46	52	58	63	67	72

- NC值以室内吸收衰减量10dB又10<sup>-12</sup>瓦特为基准
- NC value is based on the value of the indoor absorption attenuation to be 10dB and 10<sup>-12</sup> watt.
- 依据A.D.C.标准测试
- It is tested according to A.D.C standard.

SDF-18菱形百叶风口 SDF-18 RHOMBIC LOUVER OUTLET >>



- **材质:** 铝合金型材
- **特性:**
  - 风口叶片在0° ~180° 范围内任意调节, 将叶片调节成不同角度, 可以得到不同的送风距离和不同的扩散角。
  - 可作回风口使用。
- **Material:** Aluminum alloy sections
- **Features:**
  - The leaf can be adjusted in any direction between 0° - 180° . With the adjustment of different angle of the leaf,you can have different reach distance and difusion angle.
  - It can also be used as air return outlet.

- **规格尺寸:** (W x H) 尺寸可依据设计制造
- **表面处理:** 静电喷塑、烤漆或阳极处理
- **可加附件:** SDA-1人字调节阀
- **Specification:** (W x H) size can be manufactured according to the design
- **Surface treatment:** Electrostatic spray, painting or anode treatment
- **Addible accessories:** SDA-1 air volume control switch

SDF-18菱形百叶风口技术参数表 SDF-18 diamond shaped louver tuyere technical parameter table >

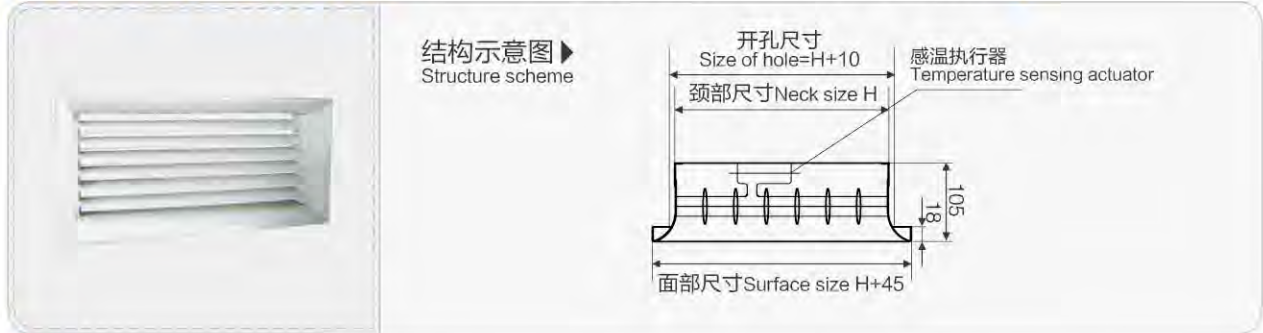
风管断面积M <sup>2</sup> Basal area of the air pipe m <sup>2</sup>		0.15			0.16			0.18			0.2			
VC M/S	吹出角度 Angle of air blowing	全压损失 (mmAq) Total pressure loss	风量 (CMH) air volume	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity M/S	NC值 NC value	风量 (CMH) air volume	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity M/S	NC值 NC value	风量 (CMH) air volume	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity M/S	NC值 NC value	风量 (CMH) air volume	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity M/S	NC值 NC value
1	A	0.1	540	4.0 5.0	-	600	1.4 5.1	-	650	4.4 5.3	-	750	4.6 5.6	-
	B	0.1		3.5 4.3	-		3.6 4.4	-		3.8 4.6	-		3.9 4.8	-
	C	0.2		2.9 3.5	-		3.0 3.6	-		3.1 3.8	-		3.2 3.9	-
	D	0.2		2.3 2.8	-		2.3 2.9	-		2.5 3.0	-		2.6 3.2	-
2	A	0.4	1080	8.0 9.4	-	1200	8.1 9.7	-	1300	8.5 10.1	-	1500	8.9 10.4	-
	B	0.6		6.8 8.0	-		6.8 8.2	-		7.2 8.6	-		7.5 9.0	-
	C	0.7		5.6 6.6	-		5.7 6.8	-		6.0 7.1	-		6.3 7.4	-
	D	0.8		4.5 5.2	-		4.6 5.4	-		4.8 5.6	-		5.1 5.8	-
3	A	0.9	1620	11.6 15.0	-	1800	12.0 15.1	-	1950	12.5 16.0	-	2250	13.0 16.7	-
	B	1.2		10.2 12.2	-		10.5 12.5	-		10.9 13.1	-		11.4 13.8	-
	C	1.5		8.3 10.0	-		8.6 10.4	-		9.0 10.8	-		9.4 11.4	-
	D	1.9		6.8 8.3	20		6.9 8.5	20		7.2 8.9	20		7.6 9.3	20
4	A	1.6	2160	15.5 19.0	22	2400	16.2 19.2	22	2600	17.0 20.1	22	3000	17.8 21.0	23
	B	2.0		13.2 16.2	24		13.8 16.6	23		14.3 17.4	23		15.0 18.1	24
	C	2.6		10.8 13.3	27		11.0 13.8	26		11.5 14.4	26		12.0 15.0	26
	D	3.0		8.6 10.6	29		8.9 10.8	29		9.4 11.4	28		9.7 11.9	28
5	A	2.4	2700	20.0 24.5	30	3250	20.5 24.8	30	3250	21.7 25.0	30	3750	22.5 27.0	30
	B	3.1		17.1 20.8	32		17.4 21.2	31		18.3 22.3	31		19.1 23.3	31
	C	4.0		14.0 17.1	34		14.4 17.2	34		15.1 18.0	34		15.9 18.9	34
	D	4.6		11.1 13.6	36		11.4 13.8	36		12.0 14.5	37		12.5 15.1	37

- Vcm/s表示中心风速
- 吹出角度在后数页中有说明
- NC值栏[-]表示NC在20以下
- Vcm/s means center wind speed
- Angle of air blowing will be explained in later pages
- [-]means NC value is below 20

SDF-18菱形百叶风口技术参数表 SDF-18 diamond shaped louver tuyere technical parameter table

风管断面积M <sup>2</sup> Basal area of the air pipe m <sup>2</sup>			0.225			0.25			0.27			0.3		
VC M/S	吹出角度 Angle of air blowing	全压损失 (mmAq) Total pressure loss	风量 (CMH) air volume	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity M/S	NC值 NC value	风量 (CMH) air volume	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity M/S	NC值 NC value	风量 (CMH) air volume	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity M/S	NC值 NC value	风量 (CMH) air volume	到达距离 残风速度m/s 0.5-0.25 Reach distance at residual air velocity M/S	NC值 NC value
1	A	0.1	800	4.8 5.9	-	900	5.0 6.1	-	1000	5.2 6.4	-	1100	5.4 6.6	-
	B	0.1		4.2 5.1	-		4.3 5.3	-		4.5 5.5	-		4.7 5.7	-
	C	0.2		3.4 4.2	-		3.6 4.3	-		3.7 4.5	-		3.8 4.7	-
	D	0.2		2.7 3.4	-		2.8 3.5	-		2.9 3.7	-		3.1 3.8	-
2	A	0.4	1600	9.3 11.0	-	1800	9.8 11.5	-	2000	10.1 11.9	-	2200	10.5 12.3	-
	B	0.6		7.8 9.4	-		8.2 9.8	-		8.6 10.1	-		8.8 10.4	-
	C	0.7		6.6 7.7	-		6.8 8.1	-		7.1 8.4	-		7.4 8.7	-
	D	0.8		5.3 6.1	-		5.6 6.4	-		5.8 6.6	-		6.0 6.9	-
3	A	0.9	2400	13.8 17.5	-	2700	14.2 18.3	-	3000	14.9 19.0	-	3300	15.4 19.9	-
	B	1.2		12.0 14.5	-		12.7 15.1	-		13.1 15.8	-		13.5 16.3	-
	C	1.5		9.9 12.0	20		10.3 12.5	21		10.8 13.0	21		11.2 13.5	21
	D	1.9		7.9 9.8	21		8.3 10.2	22		8.7 10.5	22		9.0 11.0	22
4	A	1.6	3200	18.8 22.0	23	3600	19.5 23.0	23	4000	20.0 24.0	23	4400	21.0 24.9	23
	B	2.0		15.8 19.0	24		16.4 20.0	24		17.0 20.0	24		17.6 21.4	24
	C	2.6		12.5 15.9	27		13.0 12.5	27		13.5 17.0	27		14.0 17.8	27
	D	3.0		10.2 12.6	28		8.3 10.2	29		8.7 10.5	29		11.4 14.0	29
5	A	2.4	4000	23.8 28.3	30	4500	24.8 29.9	30	5000	25.7 31.0	30	5500	26.8 32.0	30
	B	3.1		20.1 24.5	31		21.0 25.8	31		21.9 26.8	32		22.8 27.8	33
	C	4.0		16.7 19.8	34		17.3 20.7	34		18.0 21.5	35		18.8 22.3	36
	D	4.6		13.2 15.9	37		13.8 16.7	37		14.3 17.3	37		15.0 18.0	38

**SDF-19-T温控翼型风口** SDF-19-T TEMPERATURE SENSING AIRFOIL NOZZLE >>



**特性:**

SDF-19-T温控翼型风口颈部装有感温执行器.叶片采用翼型设计,具有阻力小、射程远、造型美观等特点。能自动感测气流温度,并自动调节出风方向。当夏季送风温度 $\leq 17^{\circ}\text{C}$ 时,叶片可以自动调节到供冷模式,气流呈水平吹出;当冬季送风温度 $\geq 27^{\circ}\text{C}$ 时,叶片可以自动调节到供暖模式,气流呈斜下方向吹出,可抑制热风向上飘移的特性,快速达到设计温度。可满足冬夏季不同工况下的送风要求。感温执行器无需人工或电源及电控设备,具有节能、环保、性能稳定、安装简便、免维护等优点。

**Features:**

SDF-19-T temperature sensing airfoil nozzle assembles temperature sensing actuator in the neck. The leaf use airfoil design and has such features like small resistance, far range and beautiful outlook.It can sense the airflow temperature and adjust the direction automatically. When the air supply temperature is  $\leq 17^{\circ}\text{C}$  in Summer, the leaf can be adjusted to cooling mode and the nozzle flows the air horizontally. When the air supply temperature is  $\geq 27^{\circ}\text{C}$  in Winter, the leaf can be adjusted to heating mode and the nozzle flows the air obliquely, which can prevent the hot air from drifting upward and reach the designed temperature rapidly. Therefore, it can meet air supply requirement both in Summer and Winter. The temperature sensing actuator doesn't need manual or power electronic equipment. It has such features as energy saving, environmental protection, stable function, simple assembly as well as easy maintenance.

**SDF-19-T温控翼型风口两种工况** SDF-19-T temperature control airfoil tuyere two working conditions >



**尺寸表** Size table >

规格 (W x H) Specification	规格 (W x H) Specification	规格 (W x H) Specification
400 x 200	500 x 250	600 x 300
500 x 200	600 x 250	700 x 300
600 x 200	700 x 250	800 x 300

※规格之外尺寸也可依设计制造。※The dimensions other than the specifications can also be manufactured according to the design.

SDF-19-T温控翼型风口技术参数表 SDF-19-T temperature control airfoil tuyere technical parameter table

尺寸 Size	颈部风速 m/s Neck air velocity		2.0	3.0	4.0	5.0	6.0	7.0	8.0
	静压损失 pa Static pressure loss	水平 Horizontally	5	10	17	28	39	52	68
		斜下 Obliquely	7	15	26	41	58	78	103
400×200	风量 CMH Air volume		394	591	788	985	1182	1379	1576
	到达距离 m Reach distance		4.1	6.2	8.2	10.5	12.5	14.6	17
	发生噪声dB (A) Noise	水平 Horizontally	-	26	32	37	41	44	47
		斜下 Obliquely	21	30	35	40	44	47	50
500×200	风量 CMH Air volume		498	746	995	1244	1493	1742	1991
	到达距离 m Reach distance		4.6	7	9.4	11.9	14.2	16.6	19.0
	发生噪声dB (A) Noise	水平 Horizontally	-	27	33	38	42	45	48
		斜下 Obliquely	22	30	36	41	45	48	51
600×200	风量 CMH Air volume		601	902	1203	1503	1804	2105	2405
	到达距离 m Reach distance		5.1	7.8	10.4	13.0	15.7	18.3	20.9
	发生噪声dB (A) Noise	水平 Horizontally	-	28	34	39	43	46	49
		斜下 Obliquely	22	31	37	42	46	49	52
500×250	风量 CMH Air volume		636	954	1272	1590	1908	2226	2544
	到达距离 m Reach distance		5.4	8.0	10.7	13.4	16.1	18.8	21.5
	发生噪声dB (A) Noise	水平 Horizontally	-	28	34	39	43	46	49
		斜下 Obliquely	23	31	37	42	46	49	52
600×250	风量 CMH Air volume		768	1153	1537	1921	2305	2689	3074
	到达距离 m Reach distance		5.9	8.8	11.8	14.7	17.7	20.6	23.6
	发生噪声dB (A) Noise	水平 Horizontally	-	29	35	40	44	47	50
		斜下 Obliquely	24	32	38	43	47	50	53
700×250	风量 CMH Air volume		901	1351	1802	2252	2703	3153	3603
	到达距离 m Reach distance		6.4	9.6	12.8	16.0	19.2	22.4	25.5
	发生噪声dB (A) Noise	水平 Horizontally	21	30	36	41	45	48	50
		斜下 Obliquely	24	33	39	44	48	51	54
600×300	风量 CMH Air volume		935	1403	1871	2339	2806	3274	3742
	到达距离 m Reach distance		6.5	9.8	13.0	16.3	19.5	22.8	26.0
	发生噪声dB (A) Noise	水平 Horizontally	21	30	36	41	45	48	50
		斜下 Obliquely	24	33	39	44	48	51	54
700×300	风量 CMH Air volume		1097	1645	2193	2742	3290	3838	4387
	到达距离 m Reach distance		7.0	10.6	14.1	17.6	21.1	24.7	28.2
	发生噪声dB (A) Noise	水平 Horizontally	22	31	37	42	45	49	52
		斜下 Obliquely	2.5	34	40	45	48	52	55
800×300	风量 CMH Air volume		1258	1887	2516	3145	3774	4403	5032
	到达距离 m Reach distance		7.5	11.3	15.1	18.9	22.6	26.4	30.2
	发生噪声dB (A) Noise	水平 Horizontally	23	31	37	42	46	49	52
		斜下 Obliquely	26	34	40	45	49	52	55

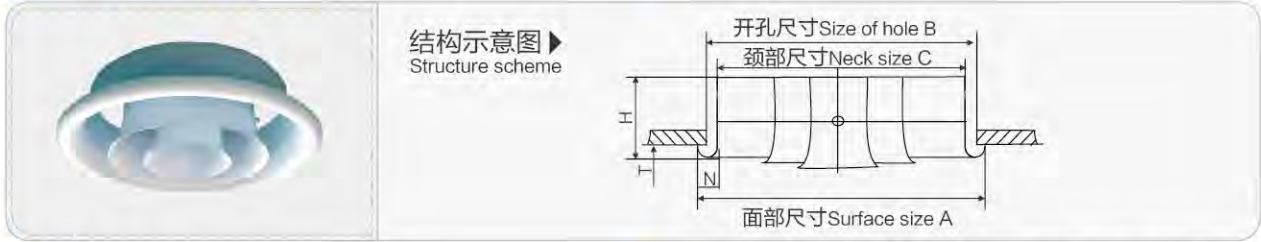
※ 到达距离是指风口到风速0.5m/s处的距离。

● 压损失和发生噪音的值分水平吹出和斜向吹出表示。

※ The arrival distance is the distance from the tuyere to the wind speed of 0.5m/s.

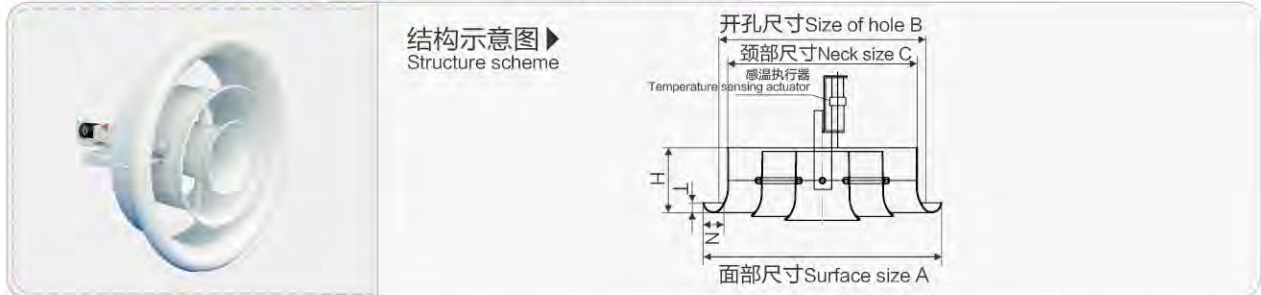
● The values of pressure loss and noise generation are expressed in terms of horizontal blowing and oblique blowing.

SDF-20圆环型风口 SDF-20 CIRCULAR OUTLET >>



- **材质:** 铝板
- **特性:**
  - SDF-20圆环型风口一般用于人员活动范围有较大距离的场合, 如影剧院、会展中心、体育馆、工厂等。
  - 采用最佳空气动力学原理设计的多层环型结构, 具有阻力低、射程远、噪音低等特点。
- **Material:** Aluminum sheet
- **Features:**
  - SDF-20 circular outlet is usually used in such places as theatres, exhibition centers, gymnasiums, plants and so on.
  - It is a multi-layer circular structure designed according to the principle of best aerodynamics and has such features as low resistance, far range, low noise.
- 外框固定后, 内环叶片可根据冬夏季节不同的气流组织进行上下45° 转动。
- 采用优质铝板旋压成形工艺, 整体强度高、外形美观, 表面可配合装饰要求进行静电喷塑。
- 可与SDA-3扇型风量调节阀配合使用, 从正面即可方便调节风量。
- After the frame is fixed, the leaf inside can rotate 45° up and down according to different air flow in Winter and Summer.
- It is made by spinning forming process with high-quality aluminum plate and has high strength and beautiful outlook. Electrostatic spray can be applied to the surface according to the decorative requirement.
- It can be equipped with SDA-3 sector air volume control switch and the air volume can be adjusted from the front side.

SDF-20-T温控圆环型风口 SDF-20 CIRCULAR OUTLET >>

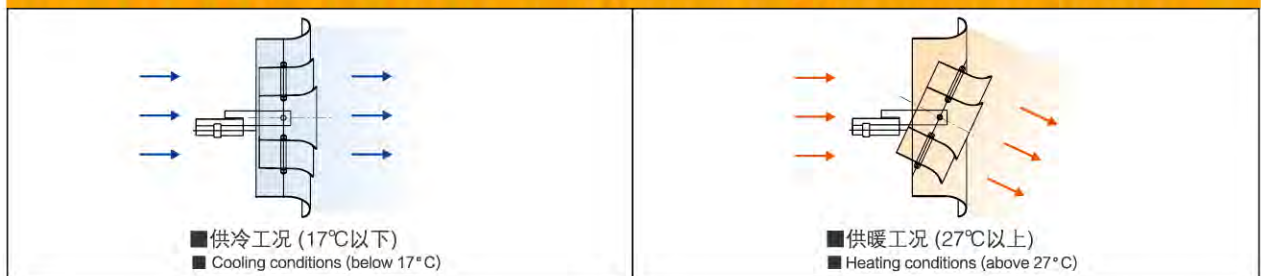


- **特性:**

SDF-20-T感温圆环型喷流风口颈部装有感温执行器, 能自动感测气流温度, 并自动驱动内层喷口以改变送风角度。当夏季送风温度 $\leq 17^{\circ}\text{C}$ 时, 喷口气流呈水平吹出; 当冬季送风温度 $\geq 27^{\circ}\text{C}$ 时, 喷口气流呈斜下方向吹出。可满足冬夏季不同工况下的送风要求。感温执行器无需人工或电源及电控设备, 具有节能、环保、性能稳定、安装简便、免维护等优点。
- **Features:**

SDF-20-T temperature sensing circular outlet assembles temperature sensing actuator in the neck and can sense the airflow temperature automatically. And it can drive inside nozzle automatically to change the air supply angle. When the air supply temperature is  $\leq 17^{\circ}\text{C}$  in Summer, the nozzle flows the air horizontally. When the air supply temperature is  $\geq 27^{\circ}\text{C}$  in Winter, the nozzle flows the air obliquely. Therefore, it can meet air supply requirement both in Summer and Winter. The temperature sensing actuator doesn't need manual or power electronic equipment. It has such features as energy saving, environmental protection, stable electronic equipment. It has such features as energy saving, environmental protection, stable function, simple assembly as well as easy maintenance.

SDF-20-T温控圆环型风口两种工况 SDF-20-T temperature control ring type air outlet two working conditions >



尺寸表 Size table ▶

C	B	A	T	N	H
φ 150	φ 166	φ 203	11	28	60
φ 200	φ 216	φ 256	12	30	70
φ 250	φ 266	φ 308	13	32	80
φ 300	φ 316	φ 367	14	35	90
φ 350	φ 366	φ 427	16	40	100
φ 400	φ 416	φ 487	18	45	110
φ 450	φ 466	φ 548	20	50	120

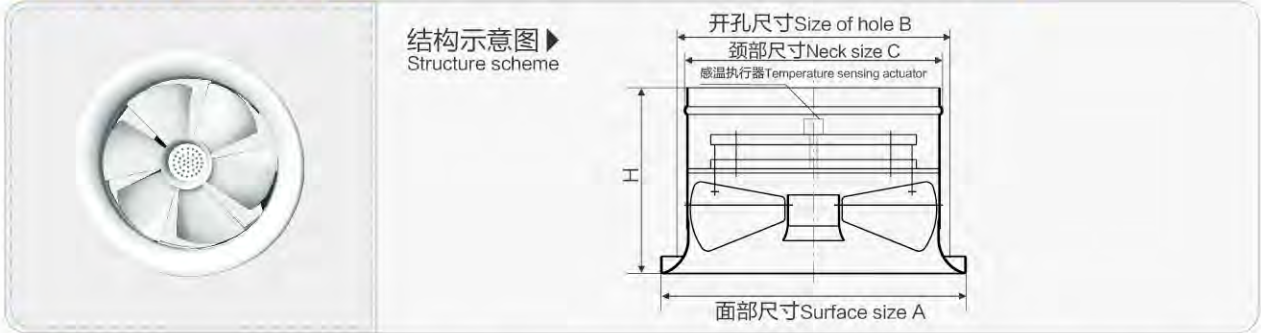
SDF-20圆环型风口、SDF-20-T温控圆环型风口技术参数表 ▶  
SDF-20 ring type tuyere, SDF-20-T temperature control ring type tuyere technical parameter table

规格C Specification	颈部风速m/s Neck air velocity		2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
	静压损失 Static pressure loss pa	冷风时 Cooling mode		2	5	8	13	18	25	32
热风时 Heating mode			5	11	20	31	45	61	79	100
φ 150	风量m <sup>3</sup> /h Air volume		127	190	254	317	381	445	508	571
	射程m Range		2.7	4.2	5.6	7.0	8	9.8	11.3	12.7
	噪声 Noise dB(A)	冷风时 Cooling mode	-	-	-	22	25	28	30	34
		热风时 Heating mode	-	-	21	26	29	32	34	38
φ 200	风量m <sup>3</sup> /h Air volume		226	339	452	565	678	791	904	1017
	射程m Range		3.5	5.3	7.1	9.0	11	12.7	14.5	16.3
	噪声 Noise dB(A)	冷风时 Cooling mode	-	-	-	24	27	30	33	36
		热风时 Heating mode	-	-	26	18	31	34	37	40
φ 250	风量m <sup>3</sup> /h Air volume		353	530	706	883	1059	1236	1413	1589
	射程m Range		4.5	6.8	9.0	11.3	13.6	15.8	18.1	20.3
	噪声 Noise dB(A)	冷风时 Cooling mode	-	-	24	27	30	33	36	39
		热风时 Heating mode	-	-	28	31	34	37	40	43
φ 300	风量m <sup>3</sup> /h Air volume		508	762	1016	1270	1524	1778	2032	2286
	射程m Range		5.4	8.1	10.8	13.6	16.3	19.0	21.7	24.4
	噪声 Noise dB(A)	冷风时 Cooling mode	-	-	25	28	31	34	37	40
		热风时 Heating mode	-	-	29	32	35	38	41	44
φ 350	风量m <sup>3</sup> /h Air volume		692	1038	1384	1731	2077	2423	2769	3115
	射程m Range		6.3	9.5	12.7	15.8	19.0	22.1	25.3	28.5
	噪声 Noise dB(A)	冷风时 Cooling mode	-	-	26	29	32	35	38	41
		热风时 Heating mode	-	23	30	33	36	39	42	45
φ 400	风量m <sup>3</sup> /h Air volume		904	1356	1808	2260	2712	3165	3617	4069
	射程m Range		7.2	10.8	14.5	18.1	21.7	25.3	28.9	32.5
	噪声 Noise dB(A)	冷风时 Cooling mode	-	21	27	30	33	36	39	42
		热风时 Heating mode	-	25	31	34	37	40	43	46
φ 450	风量m <sup>3</sup> /h Air volume		1144	1716	2289	2861	3433	4005	4578	5150
	射程m Range		8.1	12.2	16.3	20.3	24.4	28.5	32.5	36.6
	噪声 Noise dB(A)	冷风时 Cooling mode	-	22	28	31	34	37	40	43
		热风时 Heating mode	-	26	32	35	38	41	44	47

※ 到达距离为风速在0.5m/s处测得。 ※ The reach distance is measured when the air velocity is at 0.5m/s.



**SDF-21-T温控涡流风口** SDF-21-T TEMPERATURE SENSING SWIRL DIFFUSER



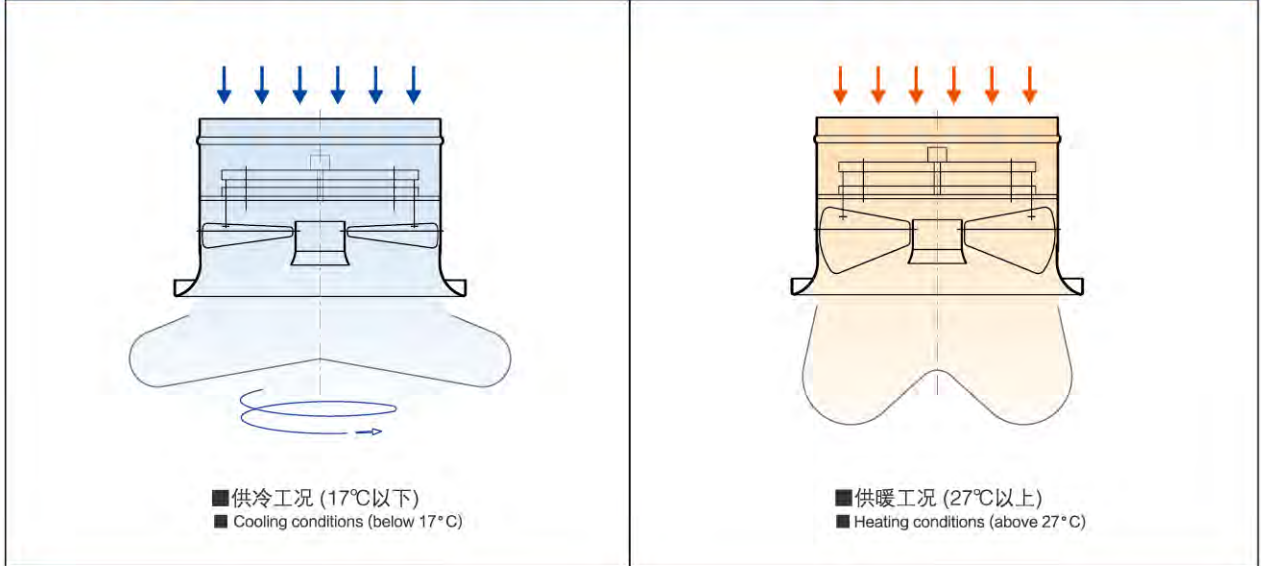
**特性:**

SDF-21-T温控涡流风口颈部装有感温执行器，能自动感测气流温度，并自动驱动叶片角度以改变送风状态。当夏季送风温度 $\leq 17^{\circ}\text{C}$ 时，叶片可以自动调节到供冷模式，气流呈水平吹出；当冬季送风温度 $\geq 27^{\circ}\text{C}$ 时，叶片可以自动调节到供暖模式，气流呈垂直方向吹出。可满足冬夏季不同工况下的送风要求。感温执行器无需人工或电源及电控设备，具有节能、环保、性能稳定、安装简便、免维护等优点。

**Features:**

SDF-21-T temperature sensing swirl diffuser assembles temperature sensing actuator in the neck. It can sense the airflow temperature automatically and drive the leaf angle to change the air supply condition. When the air supply temperature is  $\leq 17^{\circ}\text{C}$  in Summer, the leaf can be adjusted to cooling mode and the nozzle flows the air horizontally. When the air supply temperature is  $\geq 27^{\circ}\text{C}$  in Winter, the leaf can be adjusted to heating mode and the nozzle flows the air vertically. Therefore, it can meet air supply requirement both in Summer and Winter. The temperature sensing actuator doesn't need manual or power electronic equipment. It has such features as energy saving, environmental protection, stable function, simple assembly as well as easy maintenance.

**SDF-21-T温控涡流风口两种工况** SDF-21-T temperature-controlled vortex air outlet two working conditions



**尺寸表 Size table**

规格 Specification	颈尺寸C Neck size	面尺寸A Surface size	开洞尺寸B Nole size	T	H
$\phi 250$	$\phi 249$	$\phi 302$	$\phi 265$	12	183
$\phi 300$	$\phi 299$	$\phi 360$	$\phi 320$	13	205
$\phi 400$	$\phi 399$	$\phi 460$	$\phi 420$	14	255
$\phi 500$	$\phi 499$	$\phi 560$	$\phi 520$	15	310
$\phi 600$	$\phi 599$	$\phi 660$	$\phi 620$	16	360

SDF-21-T温控涡流风口技术参数表 SDF-21-T temperature control vortex tuyere technical parameter table

规格 Specification	颈部风速m/s Neck air velocity		1.5	2	3	4	5	6	6.5
φ 250	风量m <sup>3</sup> /h Air volume		265	353	530	706	883	1060	1148
	静压损失pa Static pressure loss	H	7	12	27	48	75	108	125
		V	4	7	15	27	42	60	70
	扩散半径m Diffusion radius	H	1.5	2	2.3	3.1	4	5.4	5.9
	到达距离m Reach distance	V	1.9	2.5	4.2	6.4	8.1	9.8	10.6
	发生噪音dB (A) Noise	H	-	30	35	40	45	49	52
V		-	-	29	34	40	44	50	
φ 300	风量m <sup>3</sup> /h Air volume		381	508	763	1017	1272	1526	1653
	静压损失pa Static pressure loss	H	7	12	27	48	75	108	125
		V	4	7	15	27	42	60	70
	扩散半径m Diffusion radius	H	1.5	2	2.7	3.6	5	6.5	7.1
	到达距离m Reach distance	V	2.2	3	5.6	8.3	11	13.3	14.4
	发生噪音dB (A) Noise	H	31	33	38	43	49	53	56
V		-	28	32	37	43	48	53	
φ 400	风量m <sup>3</sup> /h Air volume		678	904	1356	1808	2260	2713	2940
	静压损失pa Static pressure loss	H	7	12	27	48	75	108	125
		V	4	7	15	27	42	60	70
	扩散半径m Diffusion radius	H	2	2.8	3.9	5	6.5	8.2	9.1
	到达距离m Reach distance	V	3	4.1	6.8	10.1	13.6	17.3	18.9
	发生噪音dB (A) Noise	H	33	35	39	44	50	54	57
V		-	30	33	38	44	49	54	
φ 500	风量m <sup>3</sup> /h Air volume		1060	1413	2120	2826	3532	4239	4592
	静压损失pa Static pressure loss	H	7	12	27	48	75	108	125
		V	4	7	15	27	42	60	70
	扩散半径m Diffusion radius	H	2.6	3.5	5.1	6.2	7.9	9.4	10.1
	到达距离m Reach distance	V	3.7	5	7.9	11.5	15.6	21.3	23.5
	发生噪音dB (A) Noise	H	35	37	41	46	52	56	58
V		30	32	35	40	46	51	56	
φ 600	风量m <sup>3</sup> /h Air volume		1526	2035	3052	4070	5089	6105	6612
	静压损失pa Static pressure loss	H	7	12	27	48	75	108	125
		V	4	7	15	27	42	60	70
	扩散半径m Diffusion radius	H	3.2	4.3	6.3	8.3	9.9	11.9	12.8
	到达距离m Reach distance	V	4.5	6.1	9.3	13.1	17.5	24.2	27.2
	发生噪音dB (A) Noise	H	36	39	43	47	53	57	59
V		32	34	37	41	47	52	57	

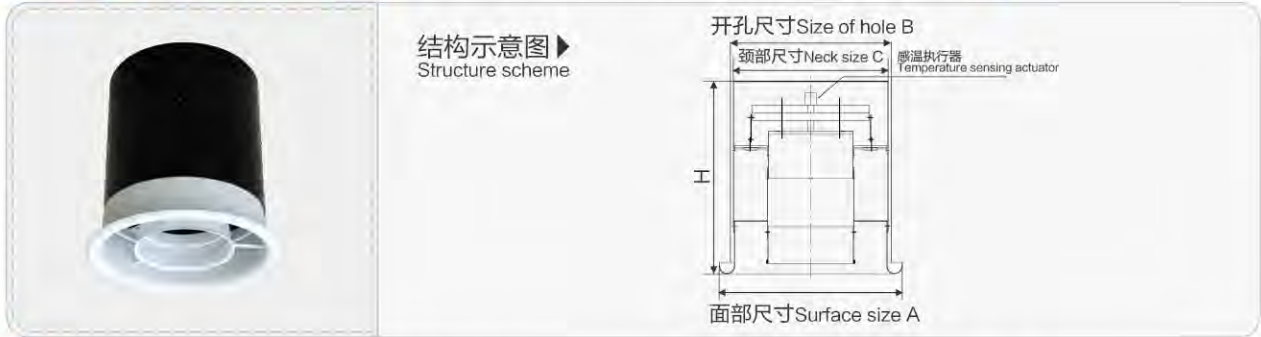
※ 上表数据以等温气流为测试对象，不等温气流射程应根据送风温差加以修正。

● 扩散半径 (H) 指冷态等温气流的水平距离，到达距离 (V) 指热态时气流的垂直射程，残风速均为0.5m/s计。

※ The data in the above table is measured by the isothermal airflow, and the range of the non-isothermal airflow should be corrected according to the temperature difference of the supply air.

● The diffusion radius (H) refers to the horizontal distance of the cold isothermal airflow, and the arrival distance (V) refers to the vertical range of the airflow in the hot state, and the residual wind speed is 0.5 m/s.

**SDF-22-T温控筒形风口** SDF-22-T TEMPERATURE SENSING SWIRL NOZZLE >>



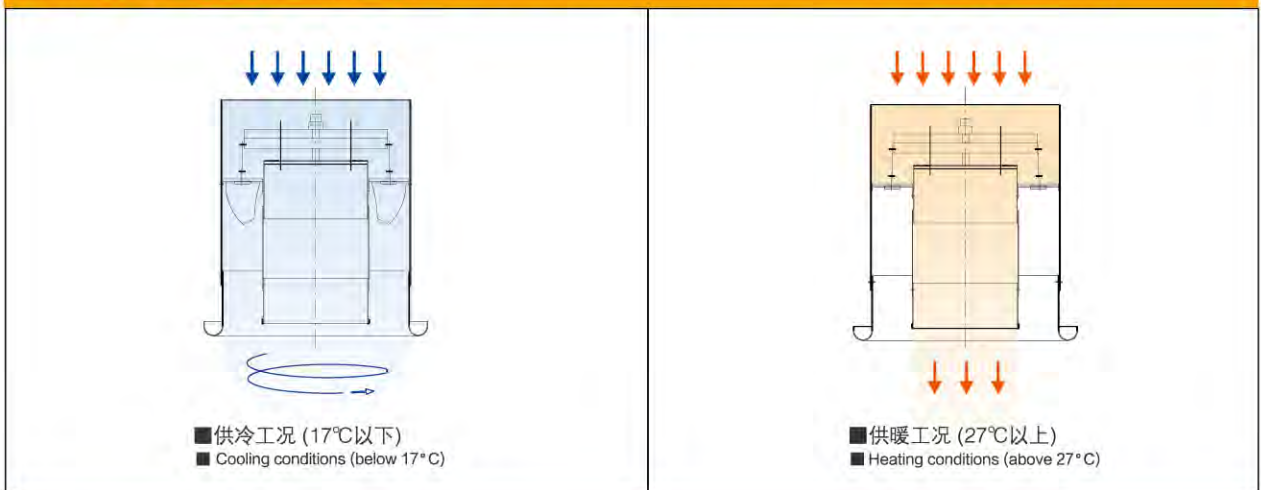
■ **特性:**

SDF-22-T温控筒形风口颈部装有感温执行器，能自动感测气流温度。当夏季送风温度 $\leq 17^{\circ}\text{C}$ 时，风口内置叶片打开，气流为涡旋形态，全面出风；当冬季送风温度 $\geq 27^{\circ}\text{C}$ 时，风口内置叶片关闭，热风只从中心桶喷出，能获得更远的送风距离。解决了热风难以下送的不足。可满足冬夏季不同工况下的送风要求。感温执行器无需人工或电源及电控设备，具有节能、环保、性能稳定、安装简便、免维护等优点。

■ **Features:**

SDF-22-T temperature sensing swirl nozzle assembles temperature sensing actuator in the neck and it can sense the airflow temperature automatically. When the air supply temperature is  $\leq 17^{\circ}\text{C}$  in Summer, the leaf inside the nozzle will open, the airflow is in vortex form and it will supply the air completely. When the air supply temperature is  $\geq 27^{\circ}\text{C}$  in Winter, the leaf inside the nozzle will close and the hot air can only be blown out from the center barrel to reach further distance and to solve the problem that the hot air cannot be blown downward. Therefore, it can meet air supply requirement both in Summer and Winter. The temperature sensing actuator doesn't need manual or power electronic equipment. It has such features as energy saving, environmental protection, stable function, simple assembly as well as easy maintenance.

**SDF-22-T温控筒形风口两种工况** SDF-22-T temperature control tubular air outlet two working conditions >



**尺寸表** Size table >

规格 Specification	颈尺寸C Neck size	面尺寸A Surface size	开洞尺寸B Nole size	H
$\phi 200$	$\phi 199$	$\phi 242$	$\phi 216$	310
$\phi 250$	$\phi 249$	$\phi 292$	$\phi 266$	325
$\phi 300$	$\phi 299$	$\phi 352$	$\phi 316$	355
$\phi 350$	$\phi 349$	$\phi 408$	$\phi 366$	365
$\phi 400$	$\phi 399$	$\phi 460$	$\phi 416$	395
$\phi 450$	$\phi 449$	$\phi 510$	$\phi 466$	425
$\phi 500$	$\phi 499$	$\phi 562$	$\phi 518$	485

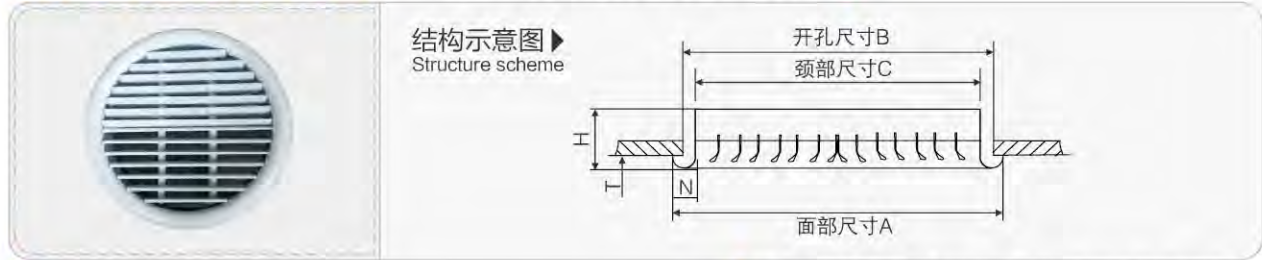
SDF-22-T温控筒形风口技术参数表 SDF-22-T temperature control tubular air outlet technical parameter table ▶

规格 Specification	颈部风速m/s Neck air velocity		1.5	2	3	4	5	6
	静压损失 static pressure loss pa	H	5	9	21	37	57	82
V		7	12	27	48	75	108	
φ 200	风量m <sup>3</sup> /h Air volume		162	217	325	434	542	651
	水平距离m Horizontal distance	H	2.5	3.3	5	6.6	8.3	9.8
	垂下距离m Vertical distance	V	4	5.2	7.8	10	13.1	15.5
	发生噪音 Noise dB(A)	H	-	-	-	32	37	41
V		-	-	31	36	41	46	
φ 250	风量m <sup>3</sup> /h Air volume		265	350	530	706	880	1060
	水平距离m Horizontal distance	H	2.7	3.6	5.4	7.3	9.1	10.8
	垂下距离m Vertical distance	V	4.8	6.4	9.5	13	15.8	18.6
	发生噪音 Noise dB(A)	H	-	-	30	34	39	43
V		-	31	35	38	43	48	
φ 300	风量m <sup>3</sup> /h Air volume		376	500	752	1003	1255	1505
	水平距离m Horizontal distance	H	3.2	4.3	6	8	9.6	11.5
	垂下距离m Vertical distance	V	5.7	7.6	11	15.4	19.2	23
	发生噪音 Noise dB(A)	H	-	-	31	35	40	44
V		-	32	36	39	44	49	
φ 350	风量m <sup>3</sup> /h Air volume		507	676	1015	1352	1690	2030
	水平距离m Horizontal distance	H	3.7	5	7.5	10	12.6	15
	垂下距离m Vertical distance	V	6.5	8.8	13.2	17.5	21.8	26.1
	发生噪音 Noise dB(A)	H	-	30	33	37	42	46
V		-	34	38	41	46	51	
φ 400	风量m <sup>3</sup> /h Air volume		665	886	1329	1772	2216	2660
	水平距离m Horizontal distance	H	4.3	5.7	8.6	11.3	14.1	16.9
	垂下距离m Vertical distance	V	7.5	10	15	20	25.1	30.1
	发生噪音 Noise dB(A)	H	-	32	35	39	43	47
V		-	36	40	43	47	52	
φ 450	风量m <sup>3</sup> /h Air volume		843	1124	1686	2248	2810	3372
	水平距离m Horizontal distance	H	4.8	6.4	9.6	12.8	16	19.2
	垂下距离m Vertical distance	V	8.4	11.2	16.8	22.4	28	33.6
	发生噪音 Noise dB(A)	H	-	34	37	41	45	48
V		33	38	41	44	48	53	
φ 500	风量m <sup>3</sup> /h Air volume		1042	1390	2085	2780	3476	4170
	水平距离m Horizontal distance	H	5.3	7	10.5	14.1	17.6	21.2
	垂下距离m Vertical distance	V	9.3	12.4	18.6	24.8	30.8	36.9
	发生噪音 Noise dB(A)	H	32	36	39	44	47	50
V		30	40	43	46	50	55	

※到达距离为风速在0.5m/s处测得。

※The reach distance is measured when the air velocity is at 0.5m/s.

SDF-23圆形斜百叶风口 SDF-23 CIRCULAR OBLIQUE DIFFUSER >>



■ 材质: 铝板、铝合金型材

■ 特性:

- SDF-23圆形斜百叶风口为圆型外框线性叶片结构。
- 叶片倾斜24度, 可做成单向和双向气流吹出模式。
- 叶片与外框为固定式结构, 叶片之间采用铝合金圆管分隔, 并用螺丝固定。

■ Material: Aluminum alloy sections

- Features:
- SDF-23 diffuser is circular frame linear leaf structure.
  - When the leaf inclines 24°, it can have one-way and two-way air blowing mode.
  - The leaf and the frame are fixed structures. It uses aluminium round pipe to separate the leaves and fixed by the screw.

- 叶片为铝合金型材, 外框采用优质铝板旋压成形工艺, 整体强度高、外形美观, 表面可配合装饰要求进行静电喷塑。
- 可与SDA-3扇型风量调节阀配合使用, 从正面即可方便调节风量。

- The leaf is aluminium alloy sections. The frame is made by spinning forming process with high-quality aluminum plate and has high strength and beautiful outlook. Electrostatic spray can be applied to the surface according to the decorative requirement.
- It can be equipped with SDA-3 sector air volume control switch and the air volume can be adjusted from the front side.

尺寸表 Size table >

C	B	A	T	N	H
φ 150	φ 255	φ 300	12	28	92
φ 200	φ 330	φ 382	15	32	100
φ 250	φ 412	φ 472	17	37	110
φ 300	φ 495	φ 562	20	42	123
φ 350	φ 575	φ 650	22	45	135
φ 400	φ 416	φ 487	18	45	110

SDA扇形风量调节阀  
SDA fan air volume control valve



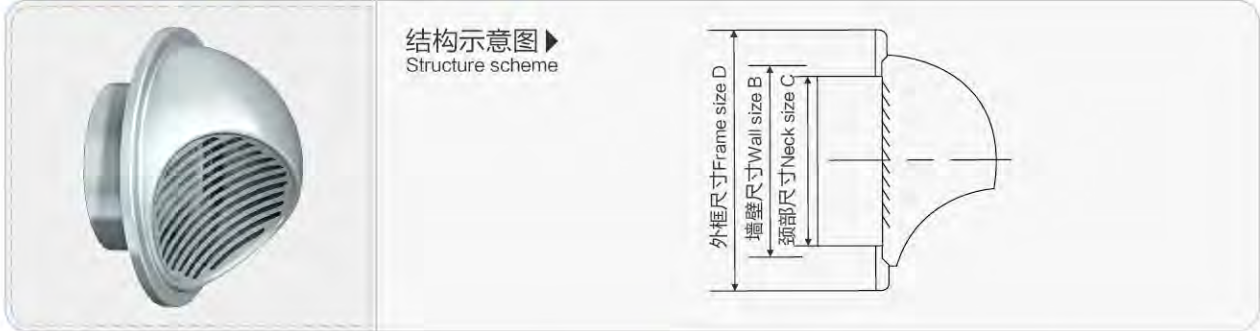
SDF-23圆形斜百叶风口技术参数表 SDF-23 circular oblique louver tuyere technical parameter table >

规格C specification (面积m <sup>2</sup> ) area	颈部风速 m/s Neck air velocity	2	3	4	5	6	7	8
		全压损失 Pa Total pressure loss	7	15	21	30	45	65
φ 150 (0.0177)	风量CMH Air volume	127	159	191	223	255	288	318
	到达距离m Reach distance	2.2	3.3	4.2	5.3	6.4	7.5	8.6
	发生噪音dB(A) Noise	—	—	23	26	29	32	35
φ 200 (0.0314)	风量CMH Air volume	226	283	339	396	452	508	565
	到达距离m Reach distance	3.1	4.5	5.8	7.2	8.6	10.2	11.5
	发生噪音dB(A) Noise	—	21	24	27	30	34	36
φ 250 (0.0491)	风量CMH Air volume	353	442	530	619	707	795	884
	到达距离m Reach distance	3.8	5.6	7.5	9.0	11.9	12.7	14.6
	发生噪音dB(A) Noise	—	22	25	28	31	35	38
φ 300 (0.0707)	风量CMH Air volume	509	636	763	891	1018	1145	1273
	到达距离m Reach distance	4.6	6.7	8.7	11.0	13.2	15.4	17.5
	发生噪音dB(A) Noise	—	23	26	29	33	36	39
φ 350 (0.0962)	风量CMH Air volume	693	866	1039	1212	1385	1559	1732
	到达距离m Reach distance	5.2	7.8	10.2	12.8	15.3	17.8	20.1
	发生噪音dB(A) Noise	21	24	28	32	35	39	42
φ 400 (0.1257)	风量CMH Air volume	905	1131	1357	1583	1809	2036	2262
	到达距离m Reach distance	5.9	10	12	15.1	18.3	21.3	24.5
	发生噪音dB(A) Noise	23	26	30	34	38	41	45

※ H指水平吹出状态, V指垂直吹出状态, 到达距离为风速在0.5m/s处测得。

※H means horizontal air supply condition, V means vertical air supply condition. The reach distance is measured when the air velocity is at 0.5m/s.

SRV圆型排气口 SRV ROUND AIR VENT >>



■ **材质:** 不锈钢

**特性:**

- SRV圆型排气口适用于一般大楼外墙的排气, 此型式的设计为针对大楼及住房的厨房, 厕所的抽排烟风管
- 末端衔接外墙部分使用, 有美化外墙的作用。

■ **Material:** Stainless steel

■ **Features:** ● SRV round air vent is used for air venting for exterior wall of general building. This type is designed for connecting the end of the air pipe for smoke extraction system of the kitchen as well as the toilet of the building to the exterior wall, which also beautifies the wall.

- Inside the round air-vent, there's leaf patch and stainless steel insect-proof screen.

- 圆型排气口内装有百叶片及不锈钢防虫网。
- 劲部附有三片弹簧倒勾片, 在安装时不须螺丝固定, 只要将圆型排气口推入孔内, 以倒勾片卡住排气孔即可固定。

■ **规格尺寸:** Φ100 Φ125 Φ150

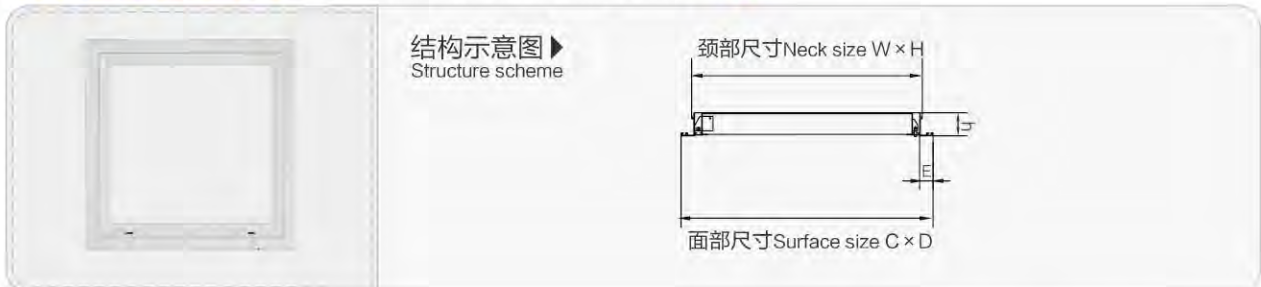
- The neck of the air-vent attaches three spring hook plate.
- There's no need to fix it with the screw when assembling but only to push the round air-vent to the hole and fix it when the hook plate get stuck at the venting hole.

■ **Specification:** Φ100 Φ125 Φ150

SRV圆型排气口尺寸表 KPQ round exhaust port size table >

规格尺寸 Specification	颈部尺寸C Neck size	墙壁尺寸B Wall size	外框尺寸D Outer frame size
φ 100	φ 97	φ 102	φ 152
φ 125	φ 122	φ 127	φ 177
φ 150	φ 147	φ 152	φ 202

SAD铝合金检修口 SAD ALUMINUM ALLOY ACCESS DOOR >>



■ **材质:** 铝合金型材

■ **特性:** SAD铝合金检修口由内外两个框组成, 其内框呈活门形式, 通常安装在天花板上, 作吊顶内设备检修时的出入口。

■ **规格尺寸:** (W×H) 400X400 450X450 500X500 550X550 600X600

■ **Material:** Aluminum alloy sections

■ **Features:** SAD aluminum alloy access door is composed of inner and outer frames. The internal frame is valve type, which is usually installed on the ceiling as the access door when the equipment in the ceiling needs to check.

■ **Specification:** (W×H) 400x 400 450x 450 500x 500 550x550 600 x 600

■ **表面处理:** 静电喷塑、烤漆或阳极处理

※外框边宽尺寸E有二种: 23mm、32mm

当E=23时、h=40、面尺寸=颈尺寸+37

当E=32时、h=50、面尺寸=颈尺寸+54

■ **Surface treatment:** Electrostatic spray, painting or anode treatment

※There's two sizes for E of the outer frame: 23mm, 32mm

When E=23, h=40, surface size = neck size +37

When E=32, h=50, surface size = neck size +54

**SDA-1人字调节阀** SDA-1 air volume control switch >>

- **材质:** 镀锌板
- **特性:**
  - 叶片为人字形开启方式, 可调节任意角度, 且自锁性好。
  - 最大尺寸600X600, 超过时采用多个拼接。
- **规格尺寸:** 配合风管或风口尺寸
- **Material:** Galvanized sheet
- **Features:**
  - The leaf can be opened in herringbone way and the angle can be adjusted randomly. It also has good self-locking.
  - The biggest size is 600 x 600. It can be joint together if the size surpasses.
- **Specification:** to fit for the size of the air pipe or outlet.

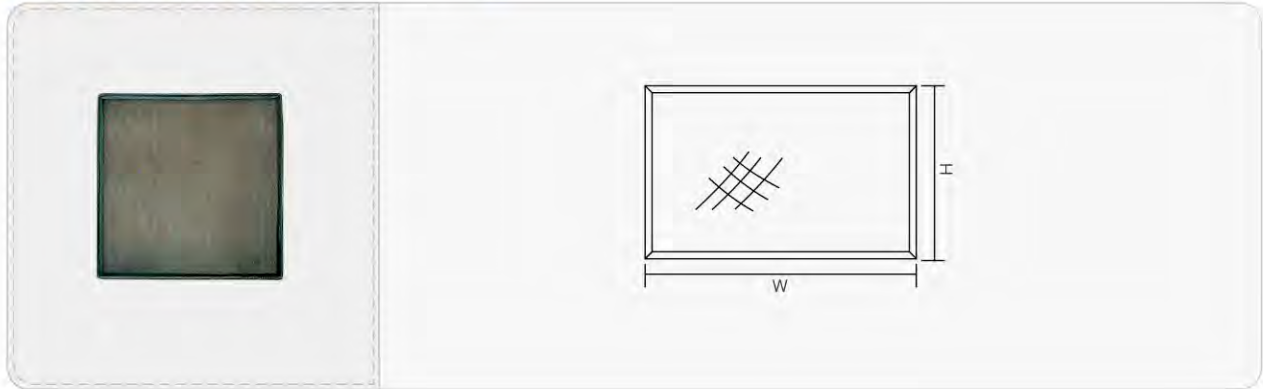
**SDA-2方圆罩** SDA-2 square circular cover >>

- **材质:** 铝合金型材
- **特性:** SDA-2方圆罩圆颈处可方便地与铝箔伸缩软管连接。
- **规格尺寸:** 配合风管或风口尺寸
- **Material:** Galvanized sheet
- **Features:**
  - The neck of the SDA-2 square circular cover can easily be connected with the telescopic aluminium foil hose.
- **Specification:** to fit for the size of the air pipe or outlet.

**SDA-3扇形风量调节阀** SDA-3 sector air volume control switch >>

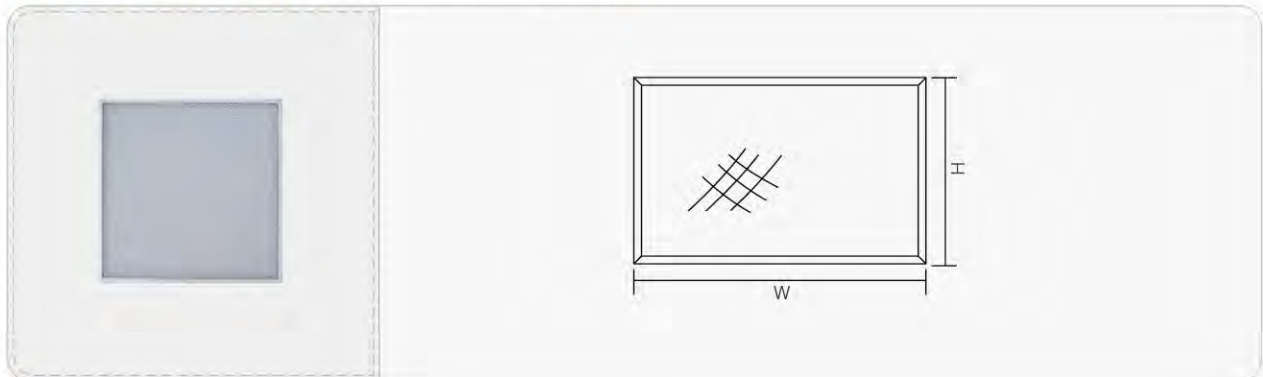
- **材质:** 镀锌钢板
- **特性:** 叶片呈扇形分布, 具有整流风量, 使风均匀的效果。
- **规格尺寸:**  $\Phi 150$   $\Phi 200$   
 $\Phi 250$   $\Phi 300$   
 $\Phi 350$   $\Phi 400$
- **Material:** Galvanized steel plate
- **Features:**
  - The leaf is distributed like a fan and it has such effect as air rectification and uniform air supply.
- **Specification:**  $\Phi 150$   $\Phi 200$   
 $\Phi 250$   $\Phi 300$   
 $\Phi 350$   $\Phi 400$

**SDA-4尼龙过滤网** SDA-4 nylon filter >>



- **材质:** 尼龙过滤网
- **规格尺寸:** W×H配合风管或风口尺寸
- **特性:** 采用Φ5圆钢作衬框, 将尼龙锦凸网包上绷紧即可, 也可外包铝合金外框。
- **Material:** Nylon wool convex mesh
- **Specification:** W×H to fit for the size of air pipe or air outlet.
- **Features:**  
Use φ 5 round steel as inner frame and packed with nylon wool convex mesh tightly for packed with aluminium alloy outer frame.

**SDA-5铝合金过滤网** SDA-5 aluminum alloy filter >>



- **材质:** 铝板网
- **规格尺寸:** W×H配合风管或风口尺寸
- **特性:** 采用2~3种不同厚度及密度的铝板网、加工成波纹状纵横交叉叠合而成, 外包铝合金外框。
- **Material:** Aluminum expanded sheets
- **Features:**  
Use 2-3 kinds of aluminum expanded sheets with different thickness and density to be corrugated intercross and packed with aluminum alloy outer frame.
- **Specification:** W × H to fit for the size of air pipe or air outlet.



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