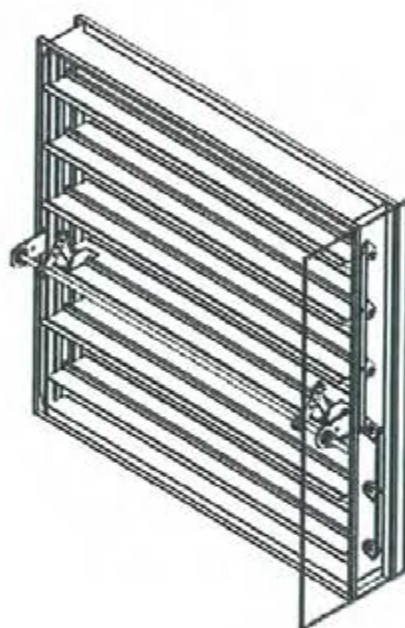
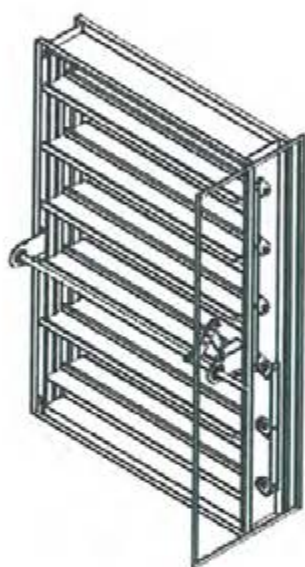


Smoke Damper

排煙閘門

Model : SD11-0V

型號 : SD11-0V



SD CATALOGUE
排煙閘門的型錄

UL Listed

UL 555S listing : R26
(EMME) CLASS I



Application and design 應用與設計

The **SD11** smoke damper employs triple-Vee blades and hat channel frame for point-of origin control of smoke in static and dynamic smoke management systems. The **SD11** is qualified to 2,000 ft/min (10.2 m/s) and 8.in.wg. (2.0 kPa) and may be installed in, or adjacent to vertical walls or partitions, or horizontally in, or adjacent to floors or assemblies.

SD11 排煙風門使用 3V 形式的葉片與帽槽型框架用於靜態型式及動態型式之煙控系統，**SD11** 可使用在 2,000 fpm (10.2 m/s) 與 8 in. w.g. (2.0 kPa) 條件下，可垂直安裝在牆壁毗鄰位置或區劃隔間亦可水平安裝於樓地板間之應用。



A. Product Type		F. Max Velocity (UL - AMCA Recognize)	
SD	Smoke Damper	1	10.2 m/s (2000 fpm) UL - AMCA
	Control Damper		
	Motorized Damper	2	15.2 m/s (3000 fpm) AMCA ONLY
B. Blade Type		3	20.2 m/s (4000 fpm) AMCA ONLY
0	None	G. Max Pressure (UL - AMCA Recognize)	
1	Triple Vee Blade	A.	0.5kPa (2 in-Wg) UL - AMCA
C. Air Leakage		B.	1.0 kPa (4 in-Wg) UL - AMCA
1	Class I	C.	1.5 kPa (6 in-Wg) UL - AMCA
2	Class II	D.	2.0kPa (8 in-Wg) AMCA ONLY
3	Class III	H. Temperature (For UL Recognize)	
D. Fire Rating (For UL Recognize)		A	74 °C (165°F) Operating
0	None Fire Rating	B	100 °C (212°F) Operating
E. Mounting (For UL Recognize)		C	121 °C (250°F) Operating
V	Vertical	D	141 °C (285°F) Operating
H	Horizontal	E	177 °C (350°F) Operating

Standard construction

Frame: (123mm×23mm) galvanized steel hat channel with interlocking corner gusset.

Blades: (153mm×1.6mm) galvanized steel — triple—V.

Side-Plate: (300mm×1.6mm) galvanized steel.

Jackshaft: (12.7mm) diameter plated steel hex.

Linkage: Concealed in frame.

Bearings: Stainless steel oilite, sleeve-type.

Seals: Silicone blade edge seals and flexible metal mount.

Reinforced: When damper width >910mm, the blade (upper and lower) need to be reinforced.

Minimum Size: 8"×8" (203mm×203mm) (UL)

Maximum Size: 36"×36" (914mm×914mm) (UL)

標準結構

外框：123mm×23mm，採鍍鋅鋼材的帽型溝槽，結合方式採嵌入式結合。

葉片：(153mm×1.6mm) 葉片形式採 3V 型。

單邊側板：(305mm×1.6mm) 鍍鋅鋼板。

中心軸：Ø12.7mm 鍍鋅圓軸。

連接桿：隱藏於框架內。

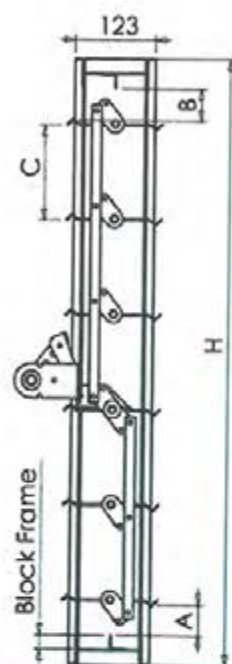
軸承：材質為不銹鋼或青銅 (AMCA)，材質為不銹鋼 (UL)。

氣密：使用矽膠材質氣密條固定於葉片邊上並採彈簧片於葉片側邊與外框密合。

補強：當開門寬度大於 914mm 時，上、下葉片需作補強。

最小尺寸：8"×8" (203mm×203mm) (UL)

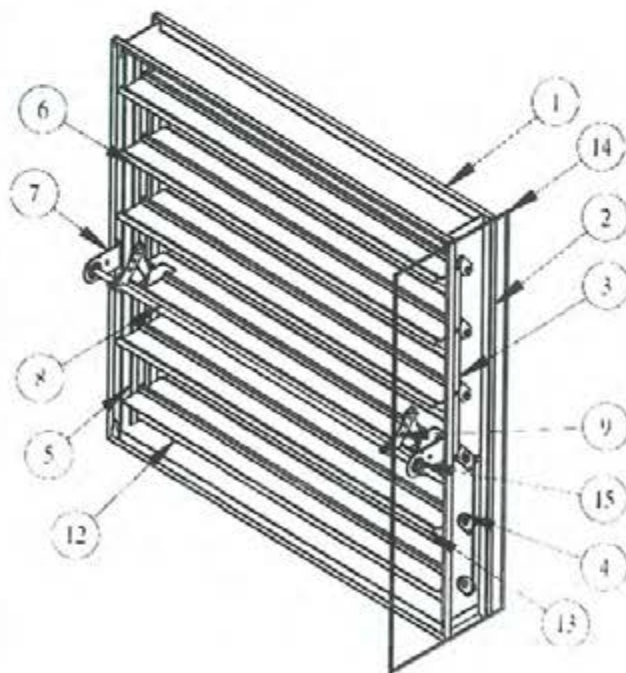
最大尺寸：36"×36" (914mm×914mm) (UL)



Smoke Damper Type

開門零件圖 Component

ITEM	NAME
1	Top & Down Frame(帽槽框架上&下)
2	Side Frame(側邊框架)
3	Concealed Linkage(連桿組)
4	Bearing(六角軸套)
5	Jumb Seal(不銹鋼氣密側封條)
6	Blade(葉片)
7	Bearing(培林組)
8	Jackshaft(軸心)
9	Joint(膝關節組)
12	Block Frame(擋板)
13	Blade Seal(氣密條)
14	Side Plate(側板)
15	Sealed Ring(氣密環)



Options

☐ Alternate actuator

☐ 24 VDC ☐ 115 VAC ☐ 230 VAC

☐ 7 N-m ☐ 9 N-m ☐ 13 N-m ☐ 20 N-m ☐ Other _____

☐ Factory installed sleeve:

Gauge: ☐ 18# (1.2mm) ☐ 16# (1.6mm)

Length: ☐ 12" (305mm) ☐ 16" (406mm)

☐ Factory installed:

☐ Side plate (Standard) ☐ Flange

☐ Sleeve

☐ Double Flange

可供選擇

☐ 驅動器

☐ 24 VDC ☐ 115 VAC ☐ 230 VAC

☐ 7 N-m ☐ 9 N-m ☐ 13N-m ☐ 20N-m ☐ 其他 _____

☐ 選擇安裝的套筒規格:

板厚: ☐ 18# (1.2mm) ☐ 16# (1.6mm)

深度: ☐ 12" (300mm) ☐ 其他 _____

☐ 安裝樣式選擇:

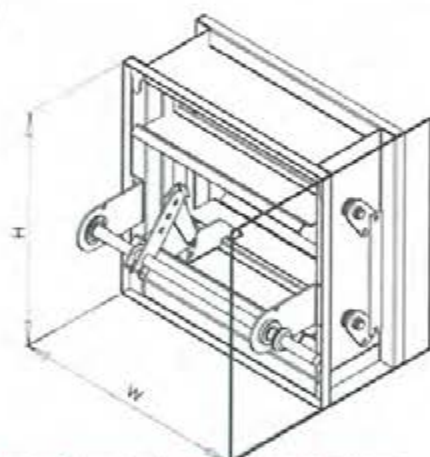
☐ 單邊側板 (標準型)

☐ 法蘭

☐ 雙法蘭

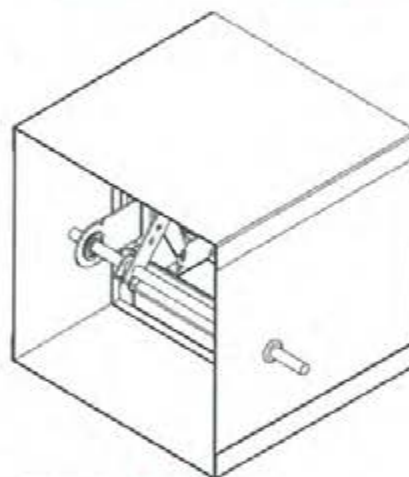
☐ 套管

(A)



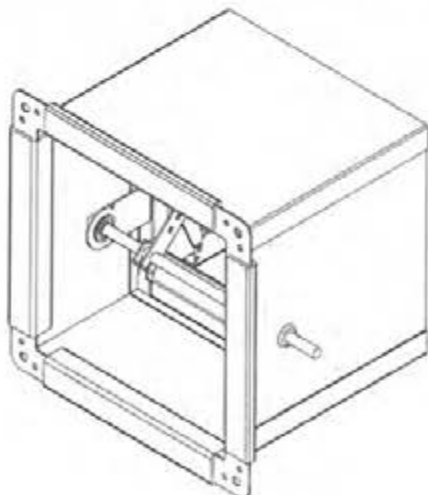
Side Plate (Standard) 單邊側板型(標準型)

(B)



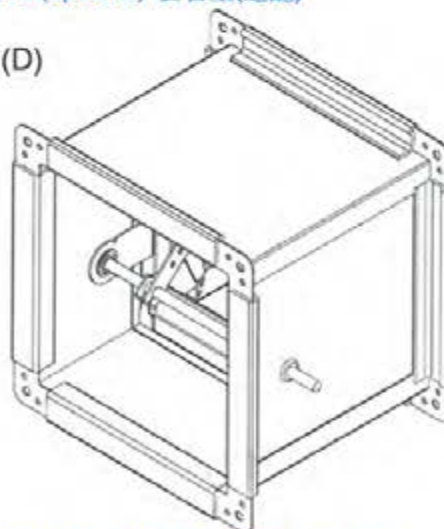
Sleeve (optional) 套管型(選配)

(C)



Flange (optional) 法蘭型 (選配)

(D)



Double Flange (optional) 雙法蘭型(選配)