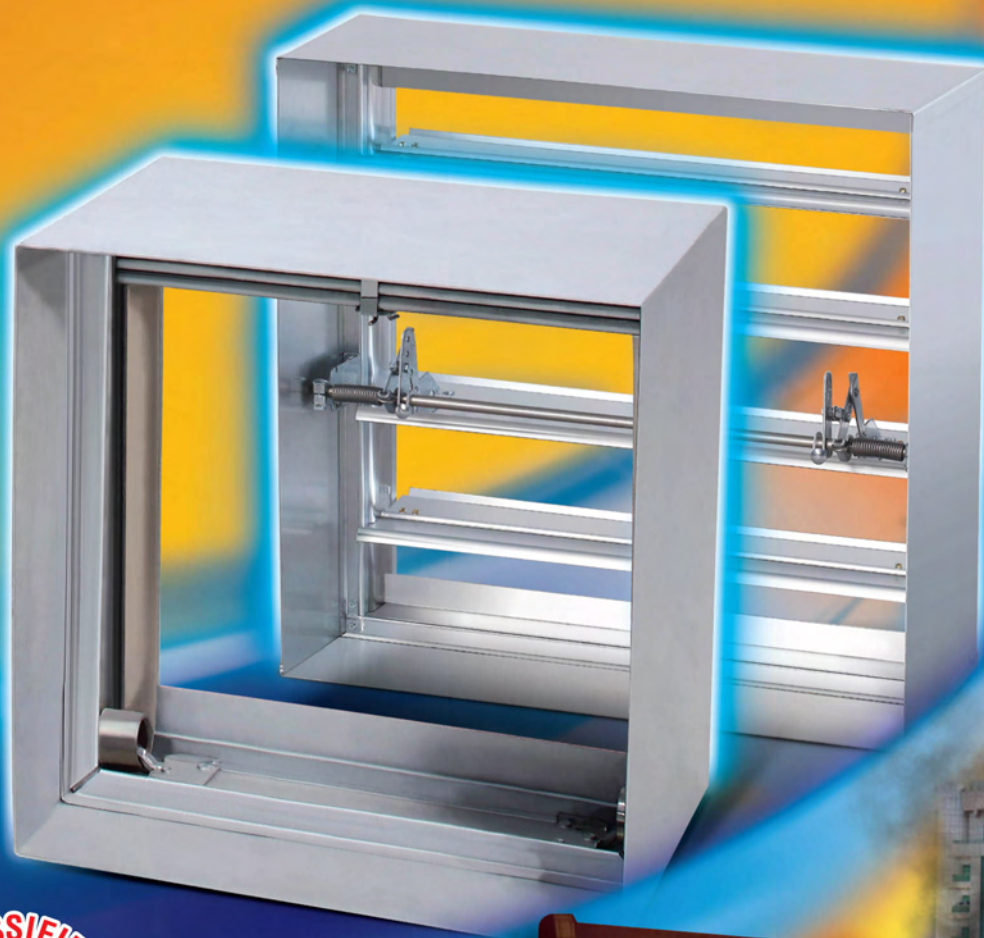


FD & FDB series

Fire Dampers for Curtain
Fire Dampers for Multi-blade



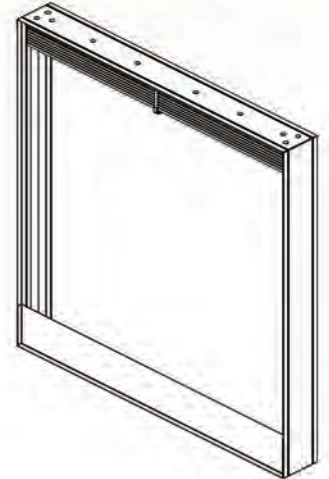
Application and design

Model FD-3V is a fire damper with curtain type blades for use in HVAC systems that shut down during a fire event. The FD-3V has been qualified with the Fire Resistance Rating up to 3 hr. It may be used for the fire wall, dividing wall (the brick wall or the gypsum board).

UL Classified UL 555 Listing R26192 See Complete Marking on Product

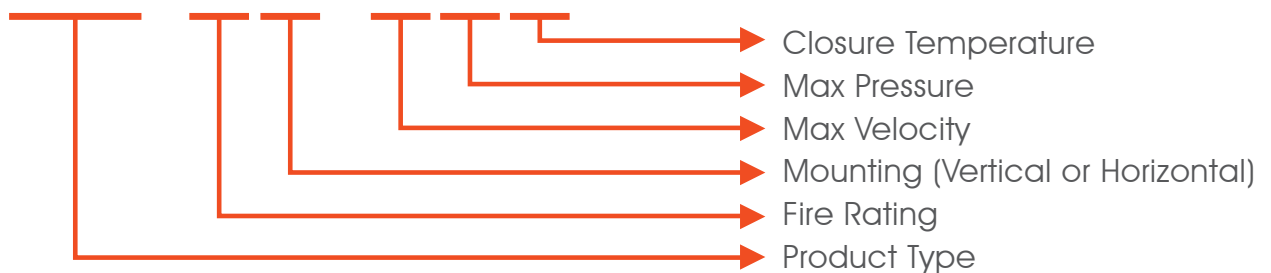
The FD-3V damper meets the following requirement for fire dampers established by:

- National Fire Protection Association NFPA Standards 80, 90A, 92A, 92B & 101
- ICC International Code Council IBC International Building Code NBC National Building Code
- SFPE Society of Fire Protection Engineers Handbook of Fire Protection Engineering



Model Nomenclature

FD-3V-1BE



Fire Resistance Rating		Max Velocity	
0	No Fire Rating	1	10.2 m/s (2000 fpm)
1	1 hr.	2	15.2 m/s (3000 fpm)
2	1.5 hr.	3	20.3 m/s (4000 fpm)
3	3 hr.	Closure Temperature of Fusible Link (Operating Temperature)	
Max Pressure			
A	0.5 kPa (2 in. w.g.)	A	74 °C (165 °F) Closure / Operating
B	1.0 kPa (4 in. w.g.)	B	100 °C (212 °F) Closure/Operating
C	1.5 kPa (6 in. w.g.)	C	121 °C (250 °F) Operating
D	2.0 kPa (8 in. w.g.)	D	141 °C (286 °F) Closure/Operating
E	2.5 kPa (10 in.w.g.)	E	177 °C (350 °F) Closure/Operating

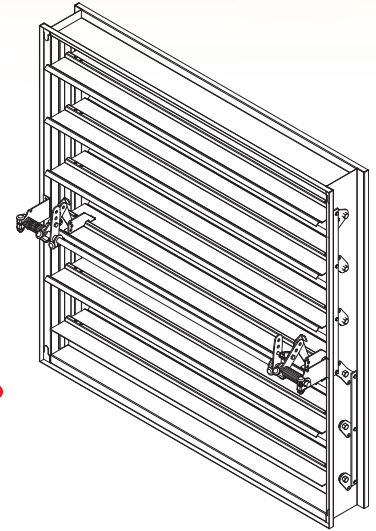
APPLICATION and Design

Model FDB-3V is a multi-blade fire damper with triple-Vee blades. The FDB-3V has been qualified to 2000 fpm (10.2 m/s) the dynamic closure Pressure Rating is 6 in-Wg (1.5 kPa) in the duct, the Fire Resistance Rating is 3 hr, It may be used for the fire wall, dividing wall (the brick wall or the gypsum board).

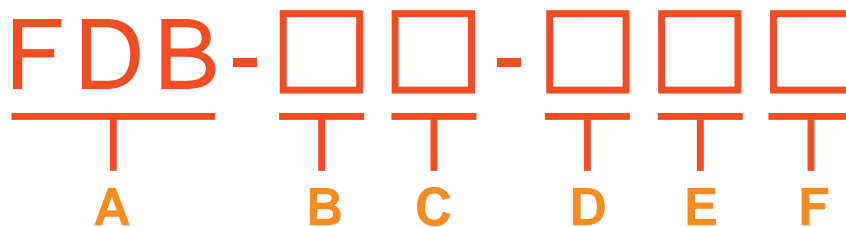
UL Classified UL 555 Listing R26192 See Complete Marking on Product

The FDB-3V damper meets the following requirement for fire dampers established by:

- National Fire Protection Association
NFPA Standards 80, 90A, 92A, 92B & 101
- ICC International Code Council
IBC International Building Code
NBC National Building Code
- SFPE Society of Fire Protection Engineers
Handbook of Fire Protection Engineering



Model Nomenclature



A. Product Type		E. Max Pressure	
FDB	Fire Damper of Blade	A	0.5 kPa (2 in. w.g.)
B. Fire Rating		B	1.0 kPa (4 in. w.g.)
2	1.5hr	C	1.5 kPa (6 in. w.g.)
3	3.0hr	F. Temperature	
C. Mounting		A	74 °C (165 °F) Operating
V	Vertical	B	100 °C (212 °F) Operating
H	Horizontal	C	121 °C (250 °F) Operating
D. Max Velocity		D	141 °C (285 °F) Operating
1	10.2 m/s (2000 fpm)	E	177 °C (350 °F) Operating



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CNo. : CAT-FD-FDB December 2014

AGENT :