

Curtain Fire Dampers

Blades partially inside airstream



FD 150 AH

APPLICATION

- For vertical installation in walls or partitions with fire resistance rating of less than 3 hours.
- Suitable for use in static systems, low pressure loss

DESCRIPTION

- Normally open and close automatically upon detection of heat.
- Protects the integrity of a fire barrier & limits spread of fire.
- Maintains its fire resistance rating where penetrated by HVAC ductwork.

CONSTRUCTION

Single section

- Casing made from 18 ga. (1.2 mm) galvanized steel.
 - Interlocking type blades made from 22 ga. (0.8 mm) galvanized steel.
 - UL listed fusible link which operates at 74°C (165°F)
 - Stainless steel closure springs.
 - Sleeve made from 16 ga. (1.5 mm) galvanized steel can be factory installed (recommended) or field supplied (as per installation instructions).
- NOTE: for insert type installation, damper must be supplied with 140 mm long factory installed sleeve.
- Minimum size: 100 x 100 mm ; opening dimensions.
 - Maximum size: 914 x 914 mm ; overall dimensions.

INSTALLATION

- Vertical installation.
- In walls or partitions.

RANGE

Description	Code
FD 150 AH – Single – G.I. casing & blades	
*FD 151 AH – Single – G.I. casing & SS (grade 304) blades	
*FD 152 AH – Single – G.I. SS (grade 304) casing & blades	

AVAILABLE OPTIONS

Description	Code
G.I. sleeve	S
HEVAC installation frame	*V

ACCESSORIES

Description	Code
Retaining angles frame – 40 x 40 x 3 mm	F
Retaining angles lose – 40 x 40 x 3 mm	R
Micro-switch	M
Duct extensions, 50 mm longer than sleeve on each side	D
Access doors (see page 46)	

*Not available for UL classified or BS 476 certified dampers.

**CIVIL
DEFENCE
APPROVED**

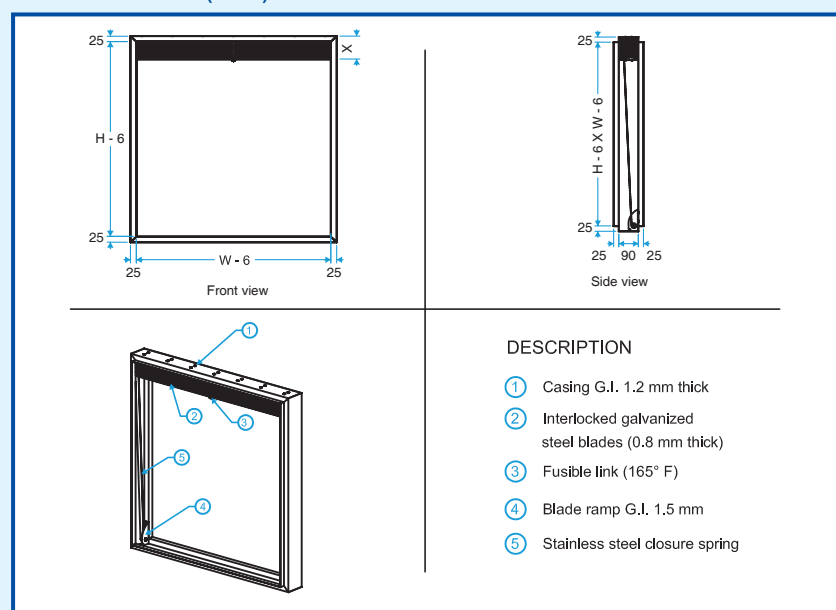
Compliance

- UL 555 classified.
- BS 476 certified.
- Constructed and tested as per UL 555 and BS 476: Part 20: 1987.

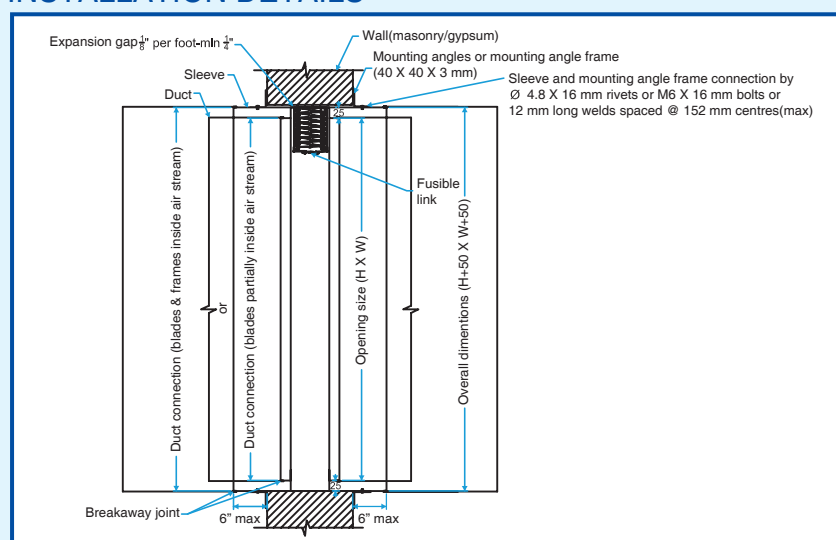
Advantages

- Fire resistance: 1.5h (UL 555).
- Fire resistance: 2h (BS 476).
- Suitable for static systems.
- 100% free area with no pressure loss.
- Maintenance: easy removal of the fusible link.

DIMENSIONS (mm)



INSTALLATION DETAILS



AVAILABLE SIZES (mm)

W	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
H	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
X	30	35	35	40	45	50	55	55	60	65	70	70	75	80	85	90
n° blades	4	5	5	6	7	8	9	9	10	11	12	12	13	14	15	16

- Any combination of W x H. For other sizes, please consult us.
- X and n° blades are associated with height H of damper.

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FD 150 AH

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Compliance

- UL 555 classified.
- BS 476 certified.
- Constructed and tested as per UL 555 and BS 476: Part 20: 1987.

Advantages

- Fire resistance: 1.5h (UL 555).
- Fire resistance: 2h (BS 476).
- Suitable for static systems.
- 100% free area with no pressure loss.
- Maintenance: easy removal of the fusible link.

CONSTRUCTION

Multiple section

- For dampers exceeding the limitation of single section dimensions, they will be manufactured in multiple sections for assembly in factory.
- Multiple sections will be created by joining 2 or 4 single sections together by welding. The joints shall then be covered by 18 ga. (1.2 mm) metal strips running horizontally and vertically.
- Maximum size: 1828 x 1828 mm ; overall dimensions.

Possible arrangements

- 2 single sections (in width) x 1 single section (in height).
- 1 single section (in width) x 2 single sections (in height).
- 2 single sections (in width) x 2 single sections (in height).

INSTALLATION

- Vertical installation.
- In walls or partitions.

RANGE

Description	Code
FD 150 AH – Multi – G.I. casing & blades	
*FD 151 AH – Multi – G.I. casing & SS (grade 304) blades	
*FD 152 AH – Multi – G.I. SS (grade 304) casing & blades	

AVAILABLE OPTIONS

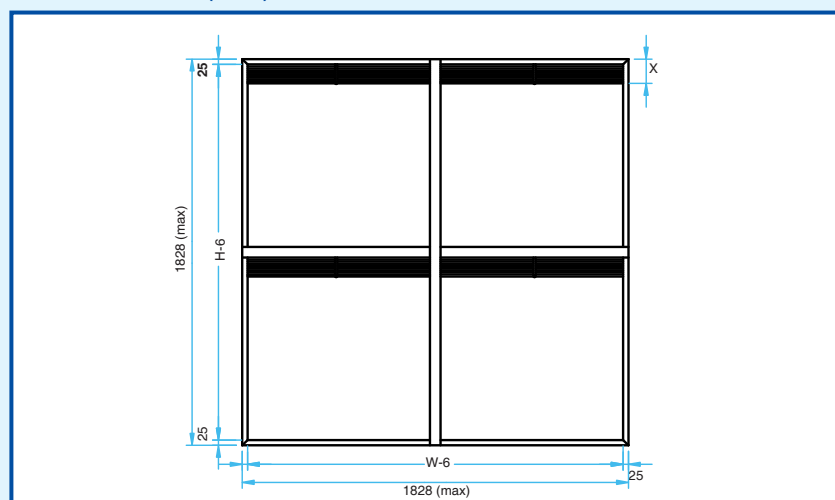
Description	Code
G.I. sleeve	S
HEVAC installation frame	*V

ACCESSORIES

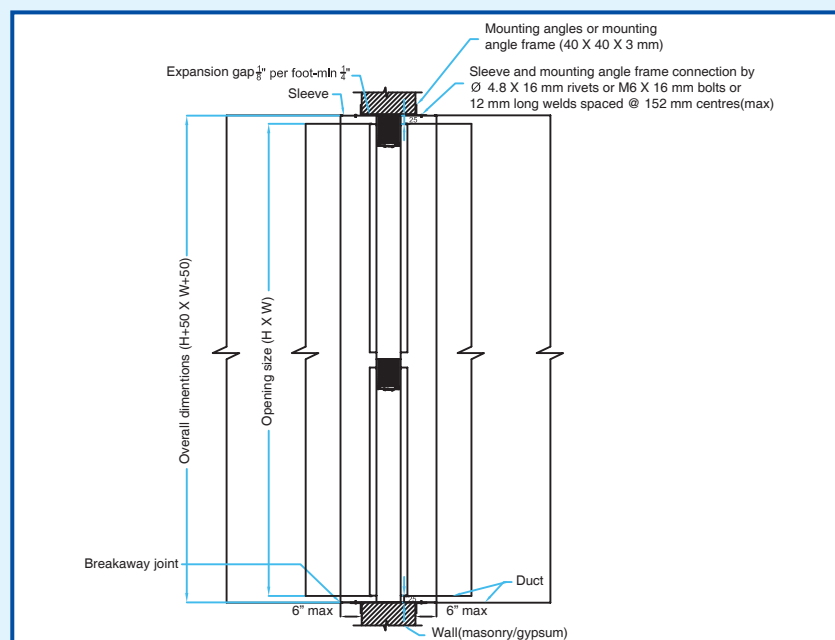
Description	Code
Retaining angles frame – 40 x 40 x 3 mm	F
Retaining angles lose – 40 x 40 x 3 mm	R
Micro-switch	M
Duct extensions, 50 mm longer than sleeve on each side	D
Access doors (see page 46)	

*Not available for UL classified or BS 476 certified dampers.

DIMENSIONS (mm)



INSTALLATION DETAILS



AVAILABLE SIZES (mm)

W	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
H	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
X	55	55	60	60	65	65	70	70	70	75	75	75	80	80	85	85	90	90
n° blades	9	9	10	10	11	11	12	12	12	13	13	13	14	14	15	15	16	16

- Any combination of W x H. For other sizes, please consult us.
- X and n° blades are associated with height H of single section damper.

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FD 150 AH-D

**CIVIL
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Compliance

- UL 555 classified.
- Constructed and tested as per latest edition of UL555 standard.

Advantages

- Fire resistance: 1.5h.
- Suitable for static & dynamic systems.
- Low pressure loss for installation on neck of damper.
- Maintenance: easy removal of the fusible link.
- Dynamic rating : 2000 fpm at 4" w.g. pressure.

APPLICATION

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- NOTE: for insert type installation, damper must be supplied with 140mm long factory installed sleeve.
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 - Maximum size: 914 x 914 mm ; overall dimensions.

INSTALLATION

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- In walls or partitions.

RANGE

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*FD 151 AH-D - Single - G.I. casing & SS (grade 304) blades	
*FD 152AH-D - Single - G.I. SS (grade 304) casing & blades	

AVAILABLE OPTIONS

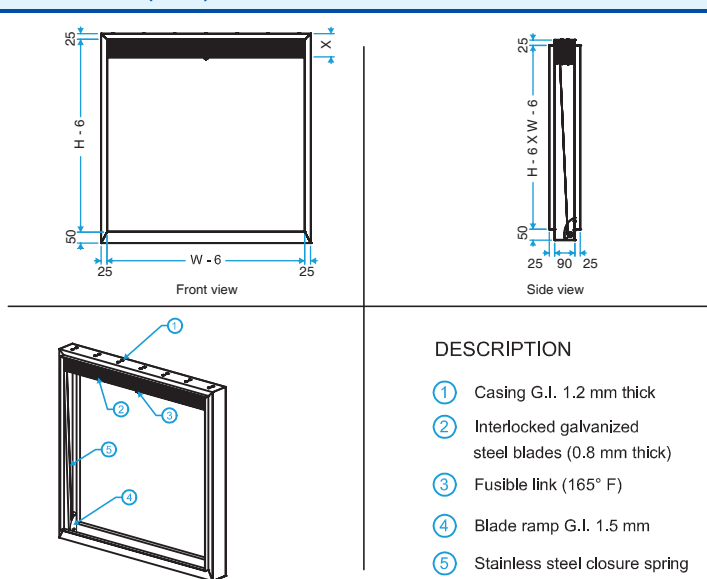
Description	Code
G.I. sleeve	S
HEVAC installation frame	*V

ACCESSORIES

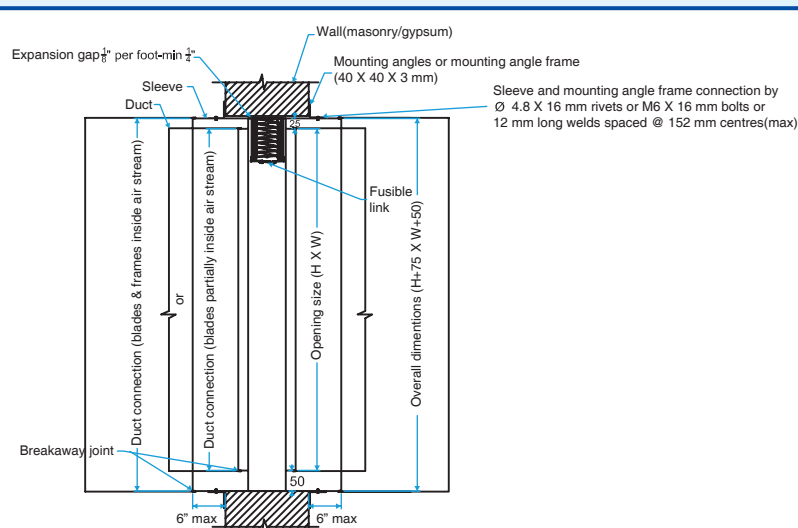
Description	Code
Retaining angles frame - 40 x 40 x 3 mm	F
Retaining angles lose - 40 x 40 x 3 mm	R
Micro-switch	M
Duct extensions, 50 mm longer than sleeve on each side	D
Access doors (see page 46)	

* Not available for UL Classified dampers

DIMENSIONS (mm)



INSTALLATION DETAILS



AVAILABLE SIZES (mm)

W	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
H	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
X	30	35	40	45	45	50	55	60	65	65	70	70	75	80	85	90
n° blades	4	5	6	7	7	8	9	10	11	11	12	12	13	14	15	16

- Any combination of W x H. For other sizes, please consult us.
- X and n° blades are associated with height H of damper.