

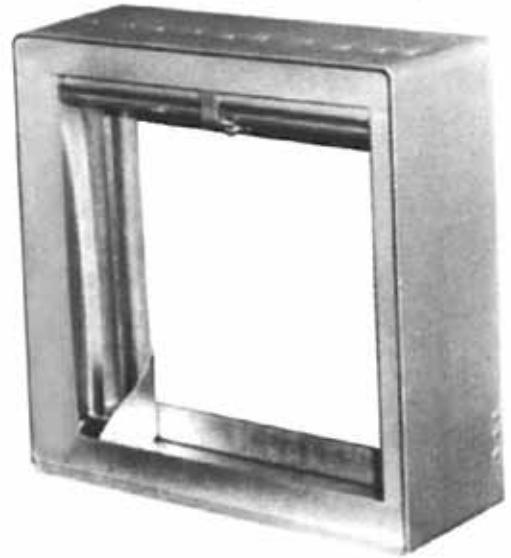
Galvanized steel sheet construction in accordance with BS 476 parts 8 & 20. In accordance.

Description

Fire damper with interlocking blades facilitate isolating compartments of Fire in Ventilation systems. These dampers block the spread of fire through ducts, walls, corridors or floors.

The FD 500 series of curtain type fire dampers are suitable for installation in walls and ceilings made from concrete, brickwork, and gypsum having fire resistance rating of 2 hours.

Dampers are fitted with standard release 72°C fusible links unless otherwise specified. Dampers are suitable for both Static as well as Dynamic systems.



MODEL: FD550A

Standard Construction

Frame

- Frame is made from GI steel sheet 1.2mm thick (18G), zinc coating Z-22 to Z-27.
- Frame is a welded construction at corners and protected by antirust zinc rich primer coating.

Blade

- High quality, roll formed GI steel sheet blades 0.8mm thick.
- Blades of higher thickness up to 1mm can be provided on request.

Fusible Links

- Standard fusible link fuses at 72°C (165°F)
- Other rated temperatures (212°F) can also be provided on request.

Springs

- Constant force coil springs formed from Stainless Steel 0.3mm thick and 19mm wide.

Blade Ramp

- 1.5mm galvanized steel bracket to hold springs.

Mounting

Vertical / Horizontal

Finish

Galvanized mill finish.

Size

- Minimum size - 100mm x 100mm
- Maximum size - 1000mm x 1000mm as single section.
- Larger sizes can be supplied as multiple sections.
- Each section operates independent.

Installation Frames

- Peripheral Angle Frame (Frame is manufactured from MS angle size 30mm x 30mm x 2.5mm).

Optional

- GI sleeves of suitable thickness as per NFPA table 3-4.6.3 can be mounted.
- Retaining Angles with minimum size 30 x 30 x 2mm.
- Microswitch can be mounted for BMS open/close indication.

Also available

Model FD551 A: Construction same as above. Only the blades are manufactured from SS Grade 304.

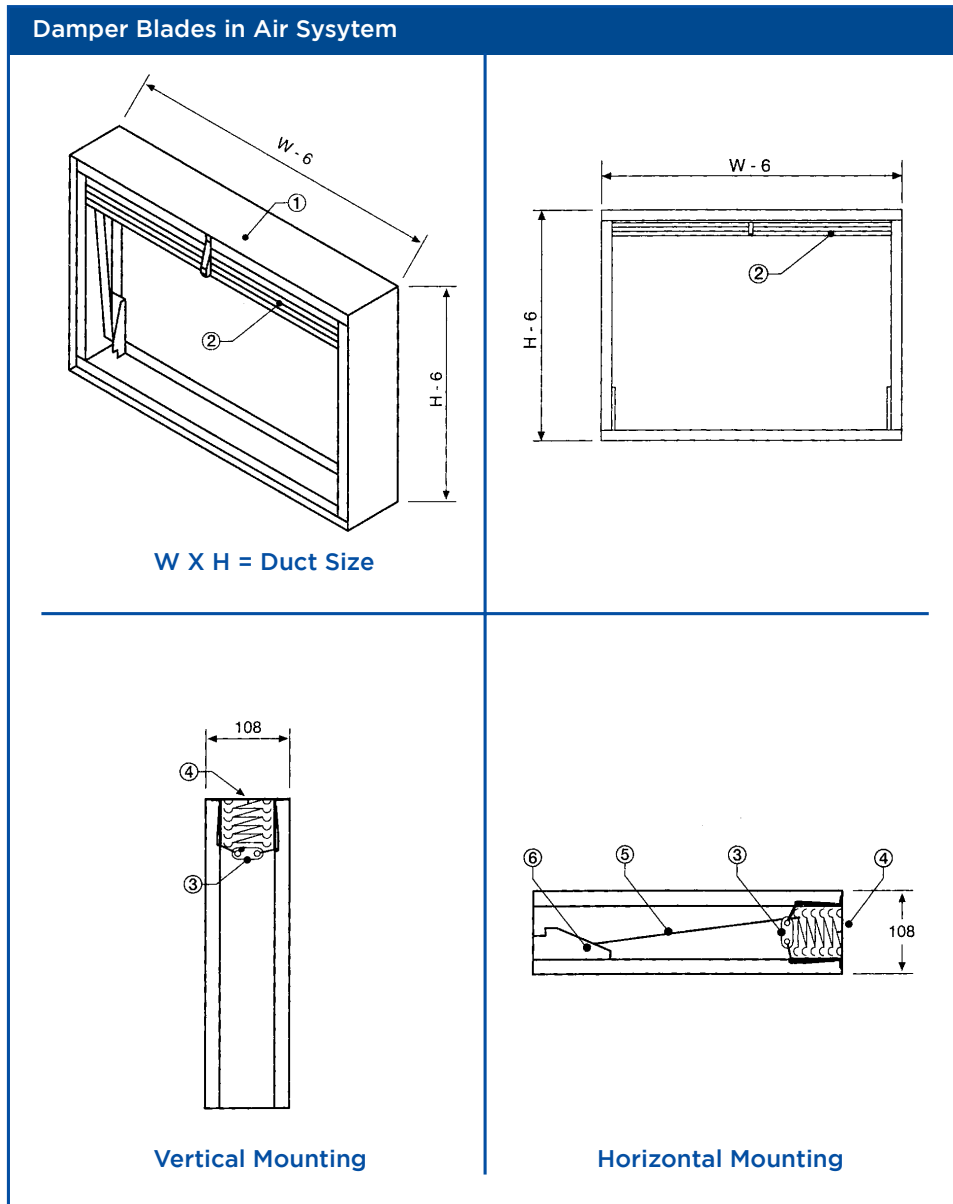
Model FD552 A: Construction same as above, both casing and blades are SS Grade 304.

See overleaf for product sketches.

DIMENSIONS (mm)

- 1 - Galvanized or S/S Casing
- 2 - Galvanized or S/S Blades
- 3 - Fusible Link 72° C

- 4 - Top Blade riveted to frame
- 5 - S/S closure spring
- 6 - Catch plates



PYROGARDE FD500 Series

CURTAIN FIRE DAMPER BLADES PARTLY OUTSIDE AIR STREAM

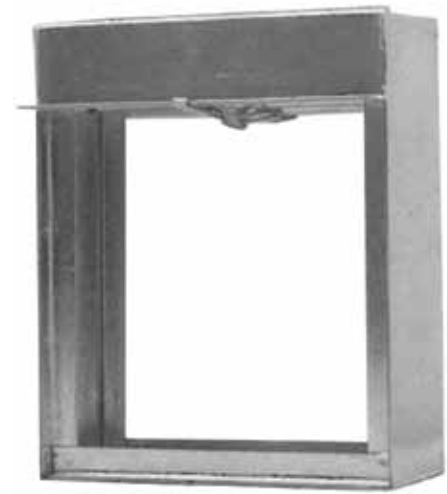
Galvanized steel sheet construction in accordance with BS 476 parts 8 & 20. In accordance.

Description

Fire damper with interlocking blades facilitate isolating compartments of Fire in Ventilation systems. These dampers block the spread of fire through ducts, walls, corridors or floors.

The FD 500 series of curtain type fire dampers are suitable for installation in walls and ceilings made from concrete, brickwork, gypsum having fire resistance rating of 2 hours.

Dampers are fitted with standard release 72° C fusible links unless otherwise specified. Dampers are suitable for both Static as well as Dynamic systems.



MODEL: FD550B

Standard Construction

Frame

- Frame is made from GI steel sheet 1.2mm thick (18G), zinc coating Z-22 to Z-27.
- Frame is a welded construction at corners and protected by antirust zinc rich primer coating.

Blades

- High quality, roll formed GI steel sheet blades 0.8mm thick.
- Blades of higher thickness up to 1mm can be provided on request.

Fusible Links

- Standard fusible link fuses at 72°C (165°F)
- Other rated temperatures (212°F) can also be provided on request.

Springs

- Constant force coil springs formed from Stainless Steel 0.3mm thick and 19mm wide.

Blade Ramp

- 1.5mm galvanized steel bracket to hold springs.

Mounting

- Vertical / Horizontal

Finish

- Galvanized mill finish.

Size

- Minimum size - 100mm x 100mm
- Maximum size - 1000mm x 1000mm as single section.
- Larger sizes can be supplied as Multiple sections.
- Each section operates independent.

Installation Frames

- Peripheral Angle Frame (Frame is manufactured from MS angle size 30mm x 30mm x 2.5mm).

Optional

- GI sleeves of suitable thickness as per NFPA table 3-4.6.3 can be mounted.
- Retaining Angles with minimum size 30 x 30 x 2mm.
- Microswitch can be mounted for BMS open/close indication.

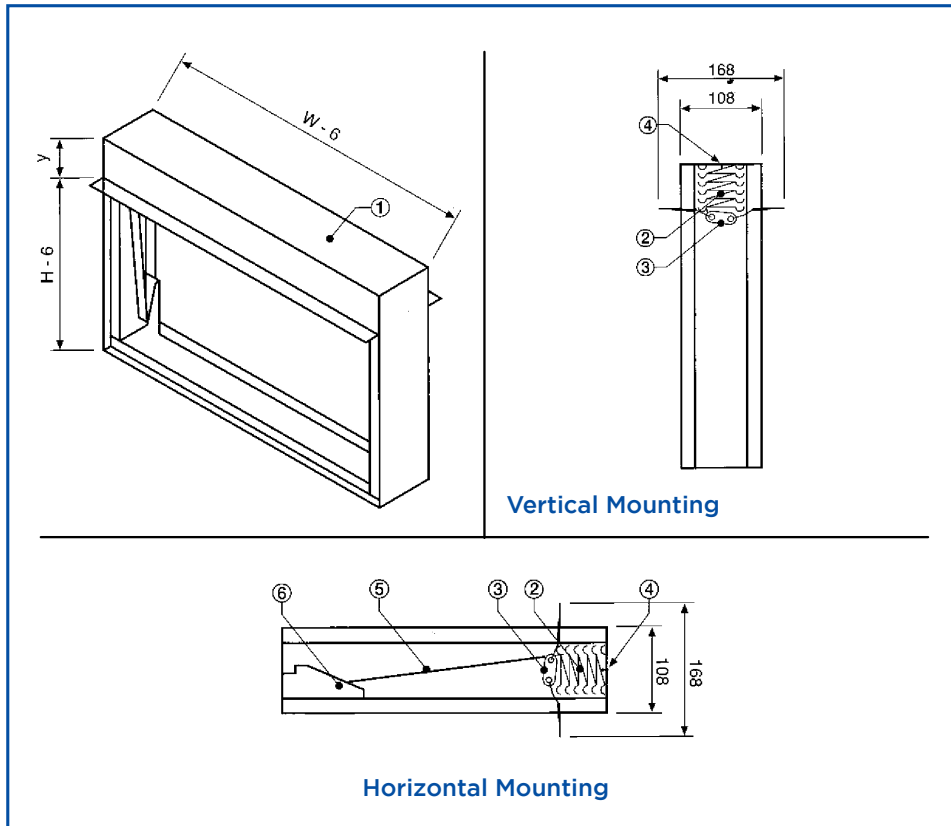
Also available

Model FD551 B: Construction same as above. Only the blades are manufactured from SS Grade 304.

Model FD552 B: Construction same as above, both casing and blades are SS Grade 304.

See overleaf for product sketches.

DIMENSIONS (mm)



AVAILABLE SIZES (mm)

Duct Height (H)	Duct Width (Y)	Overall Damper Height $H + Y - 6$
100	35	129
150	40	184
200	50	244
250	55	299
300	60	354
350	65	409
400	75	469
450	85	529
500	95	589
550	100	644
600	105	699
650	110	754
700	120	814
750	125	869
800	130	954
850	135	979
900	150	1044
950	155	1099
1000	165	1159

For other sizes, please contact Geo Global Sales Team.

PYROGARDE FD500 Series

CURTAIN FIRE DAMPER
BLADES COMPLETELY OUTSIDE AIR STREAM
(100% FREE AREA)

Galvanized steel sheet construction in accordance with BS 476 parts 8 & 20. In accordance.

Description

Fire damper with interlocking blades facilitate isolating compartments of Fire in Ventilation systems. These dampers block the spread of fire through ducts, walls, corridors or floors.

The FD 500 series of curtain type fire dampers are suitable for installation in walls and ceilings made from concrete, brickwork, gypsum having fire resistance rating of 2 hours. Dampers are fitted with standard release 72° C fusible links (UL Listed) unless otherwise specified. Dampers are suitable for both Static as well as Dynamic systems.



MODEL: FD550C

Standard Construction

Frame

- Frame is made from GI steel sheet 1.2mm thick (18G), zinc coating Z-22 to Z-27
- Frame is a welded construction at corners and protected by antirust zinc rich primer coating.

Blades

- High quality, roll formed GI steel sheet blades 0.8mm thick.
- Blades of higher thickness up to 1mm can be provided on request.

Fusible Links

- Standard fusible link fuses at 72°C (165°F)
- Other rated temperatures (212°F) can also be provided on request.

Springs

- Constant force coil springs formed from Stainless Steel 0.3mm thick and 19mm wide.

Blade Ramp

- 1.5mm galvanized steel bracket to hold springs.

Mounting

- Vertical / Horizontal

Finish

- Galvanized mill finish.

Size

- Minimum size - 100mm x 100mm
- Maximum size - 1000mm x 1000mm as single section.
- Larger sizes can be supplied as Multiple sections.
- Each section operates independent.

Installation Frames

- Peripheral Angle Frame (Frame is manufactured from MS angle size 30mm x 30mm x 2.5mm).
- HEVAC Frame: Manufactured from GI 1.2mm thick sheet.

Optional

- Sleeves: GI sleeves of suitable thickness as per NFPA table 3-4.6.3 can be mounted.
- Retaining Angles: Minimum 30 x 30 x 2mm.
- Microswitch: For BMS open/close indication.
- Jamb Seal: Low leakage jamb seals.

Also available

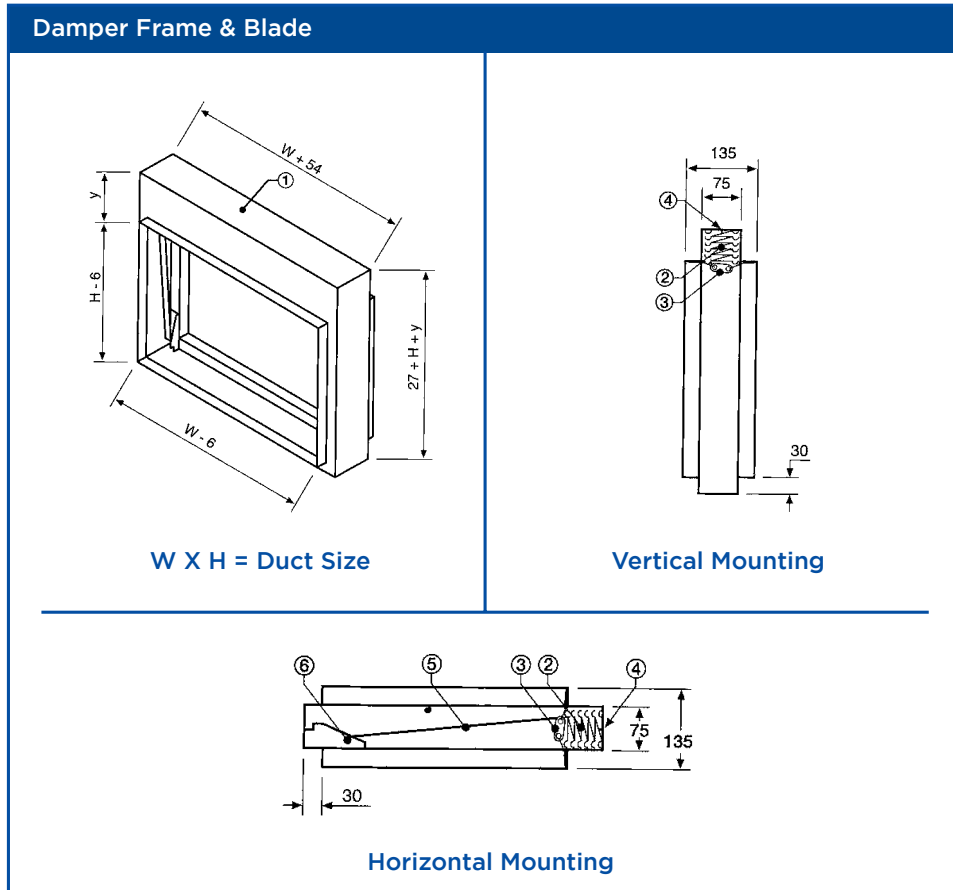
Model FD551 C: Construction same as above. Only the blades are manufactured from SS Grade 304.

Model FD552 C: Construction same as above, both casing and blades are Stainless Steel Grade 304.

See overleaf for product sketches.

DIMENSIONS (mm)

- 1 - Galvanized or S/S Casing
- 2 - Galvanized or S/S Blades
- 3 - Fusible Link 72° C
- 4 - Top Blade riveted to frame
- 5 - S/S closure spring
- 6 - Catch plates



AVAILABLE SIZES (mm)

Duct Height (H)	Duct Width (Y)	Overall Damper Height H + Y - 6
100	35	129
150	40	184
200	50	244
250	55	299
300	60	354
350	65	409
400	75	469
450	85	529
500	95	589
550	100	644
600	105	699
650	110	754
700	120	814
750	125	869
800	130	954
850	135	979
900	150	1044
950	155	1099
1000	165	1159

For other sizes, please contact Geo Global Sales Team.

PYROGARDE FD500 Series

CURTAIN FIRE DAMPER
BLADES OUTSIDE AIR STREAM
SPIGOT CONSTRUCTION

Galvanized steel sheet construction in accordance with BS 476 parts 8 & 20. In accordance.

Spigot: Square / Rectangular / Round / Oval

Description

Fire damper with interlocking blades facilitate isolating compartments of Fire in Ventilation systems. These dampers block the spread of fire through ducts, walls, corridors or floors.

The FD 500 series of curtain type fire dampers are suitable for installation in walls and ceilings made from concrete, brickwork, gypsum having fire resistance rating of 2 hours. Dampers are fitted with standard release 72° C fusible links unless otherwise specified. Dampers are suitable for both Static as well as Dynamic systems.



MODEL: FD550 CH/CHR/COV

Standard Construction

Frame

- Frame is made from GI steel sheet 1.2mm thick (18G), zinc coating Z-22 to Z-27.
- Frame is a welded construction at corners and protected by antirust zinc rich primer coating.

Blades

- High quality, roll formed GI steel sheet blades 0.8mm thick.
- Blades of higher thickness up to 1mm can be provided on request.

Fusible Links

- Standard fusible link fuses at 72°C (165°F)
- Other rated temperatures (212°F) can also be provided on request.

Springs

- Constant force coil springs formed from Stainless Steel 0.3mm thick and 19mm wide.

Blade Ramp

- 1.5mm galvanized steel bracket to hold springs.

Mounting

- Vertical / Horizontal

Finish

- Galvanized mill finish.

Size

- Minimum size - 100mm x 100mm
- Maximum size - 1000mm x 1000mm as single section.

Installation Frames

- Peripheral Angle Frame (Frame is manufactured from MS angle size 30mm x 30mm x 2.5mm).
- HEVAC Frame: Manufactured from GI 1.2mm thick sheet.

Optional

- Sleeves: GI sleeves of suitable thickness as per NFPA table 3-4.6.3 can be mounted.
- Retaining Angles: Minimum 30 x 30 x 2mm.
- Microswitch: For BMS open/close indication.
- Jamb Seal: Low leakage jamb seals.

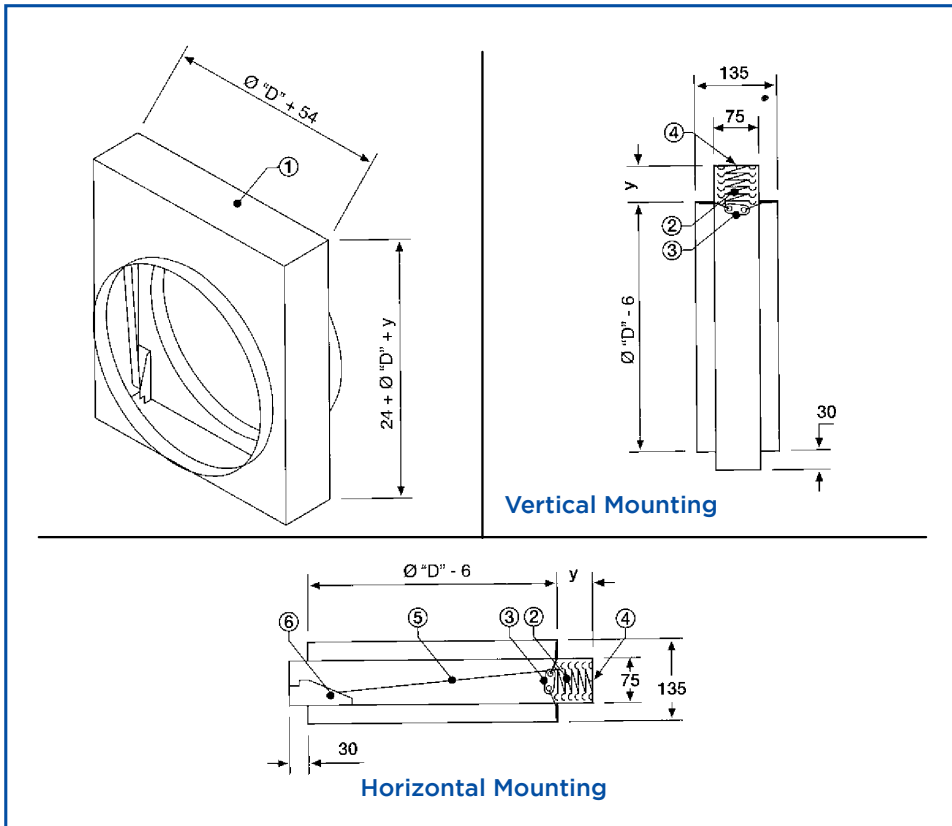
Also available

Model FD551 CH/CHR/COV: Construction is same as above. Only the blades are manufactured from SS Grade 304.

Model FD552 CH/CHR/COV: Construction same as above, both casing and blades are SS Grade 304.

See overleaf for product sketches.

SPIGOT ROUND DIMENSIONS (mm)

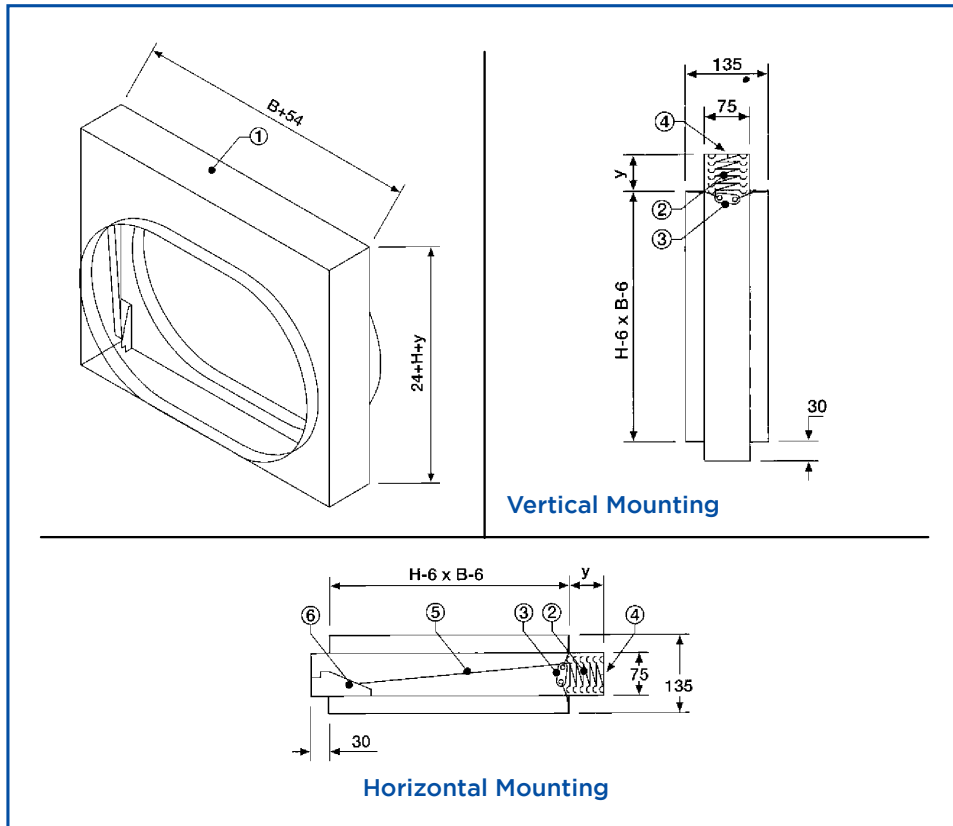


SPIGOT ROUND SIZES (mm)

Damper Height (D)	Damper Width (Y)	Overall Damper Height $D + Y + 30$
100	40	170
150	50	230
200	55	285
250	60	340
300	65	395
350	75	455
400	85	515
450	95	575
500	100	630
550	105	685
600	110	740
650	120	800
700	125	855
750	130	910
800	135	965
850	150	1030
900	155	1085
950	165	1145
1000	170	1200

For other sizes, please contact Geo Global Sales Team.

SPIGOT OVAL DIMENSIONS (mm)

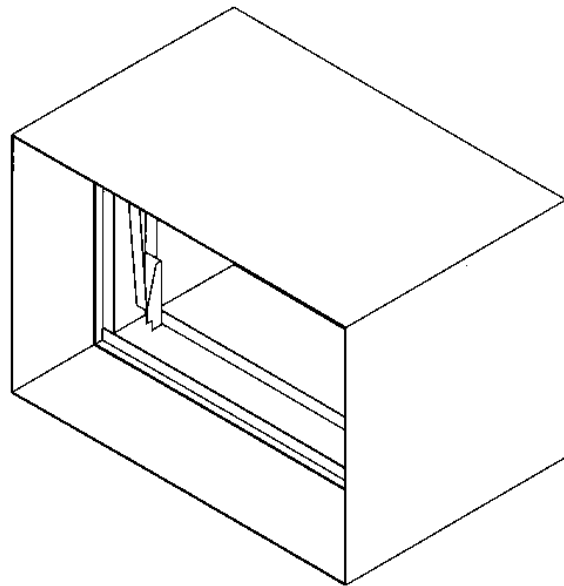
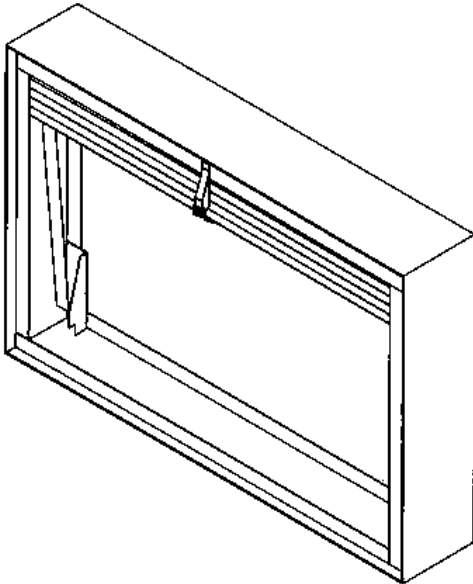


SPIGOT ROUND SIZES (mm)

Damper Height (D)	Damper Width (Y)	Overall Damper Height $D + Y + 30$
100	40	170
150	50	230
200	55	285
250	60	340
300	65	395
350	75	455
400	85	515
450	95	575
500	100	630
550	105	685
600	110	740
650	120	800
700	125	855
750	130	910
800	135	965
850	150	1030
900	155	1085
950	165	1145
1000	170	1200

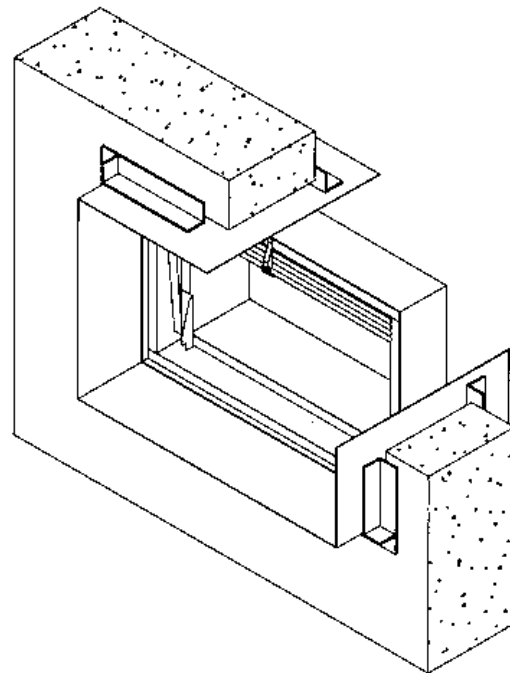
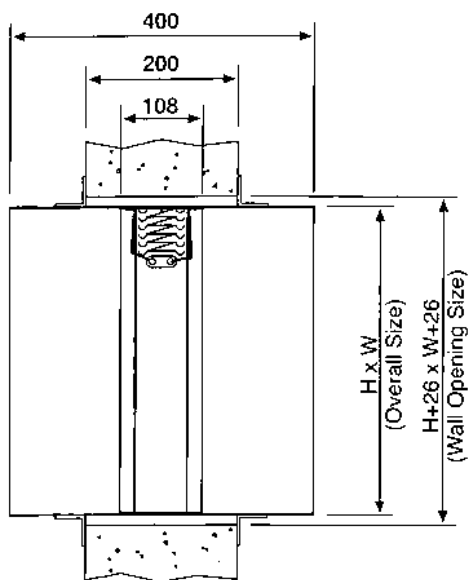
For other sizes, please contact Geo Global Sales Team.

Installation - type A

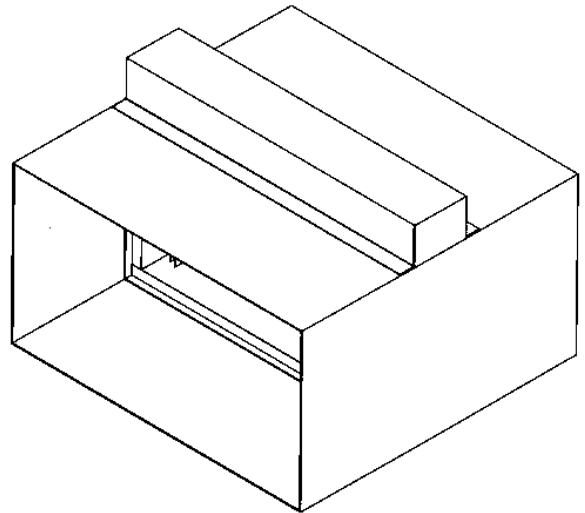
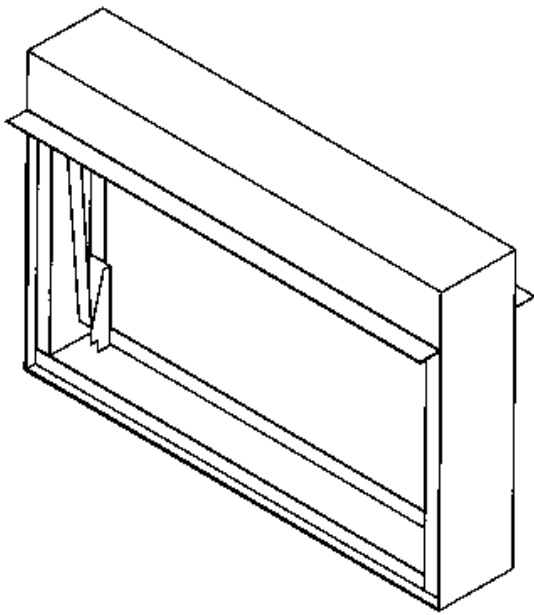


Damper installed to duct

Damper installed to wall

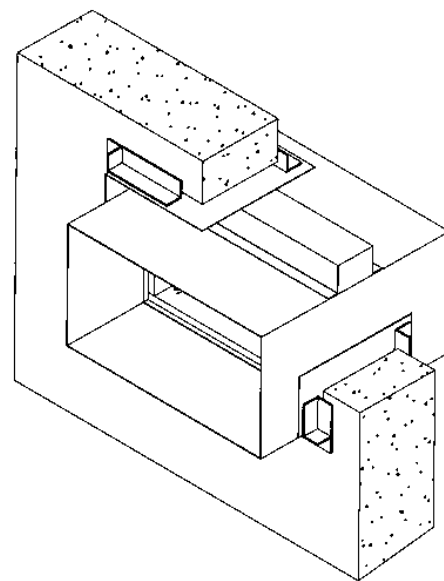
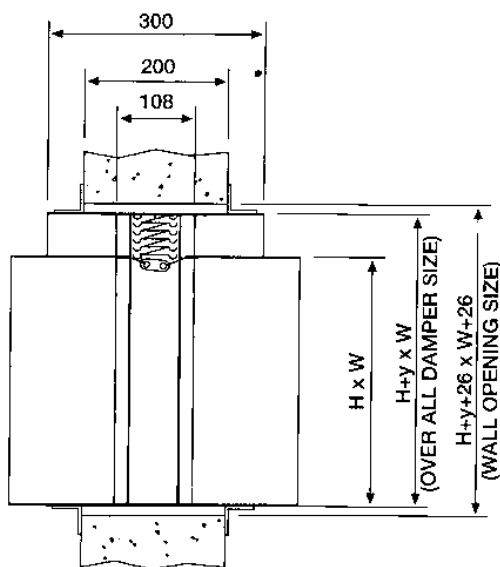


Installation - type B

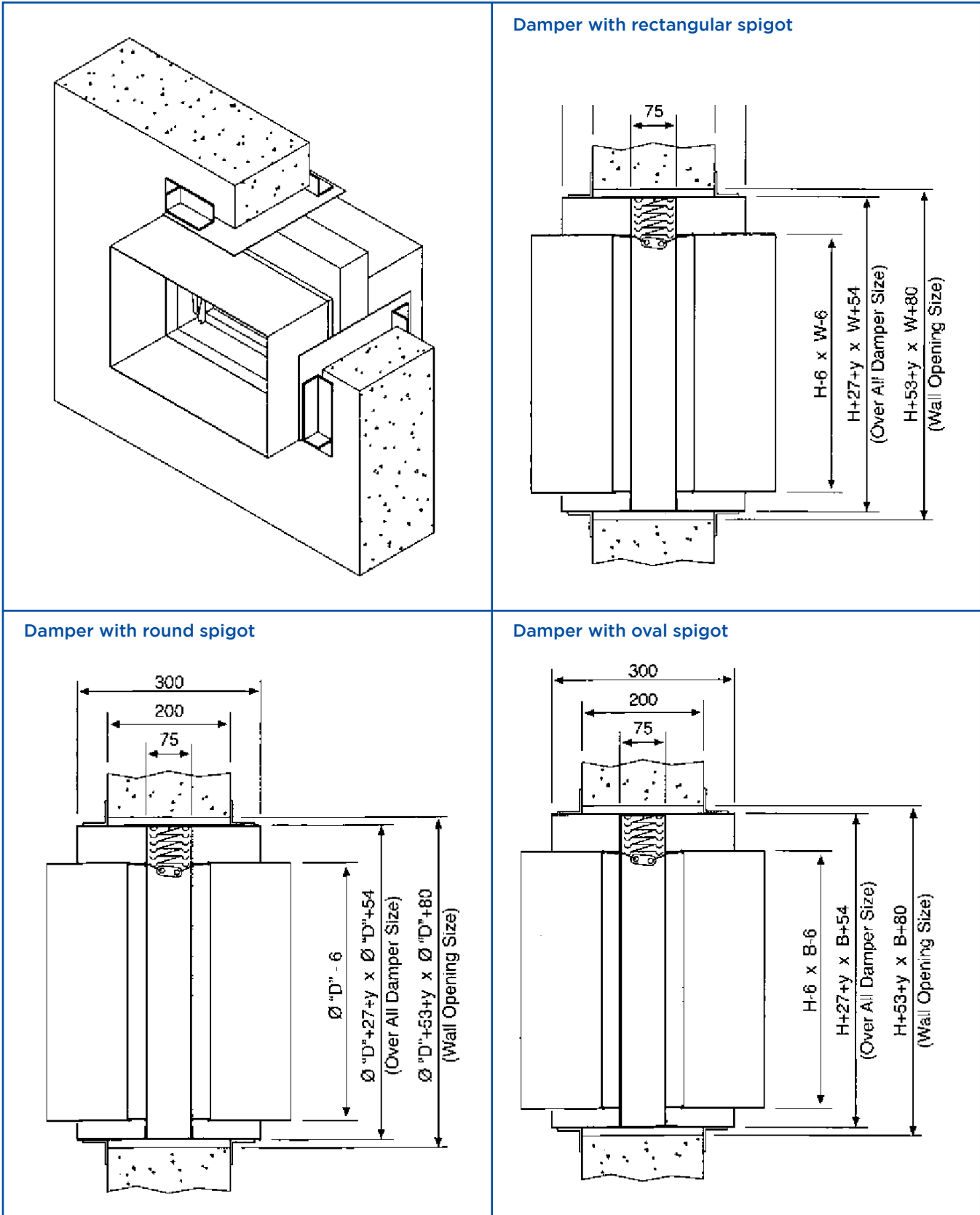


Damper installed to duct

Damper installed to wall



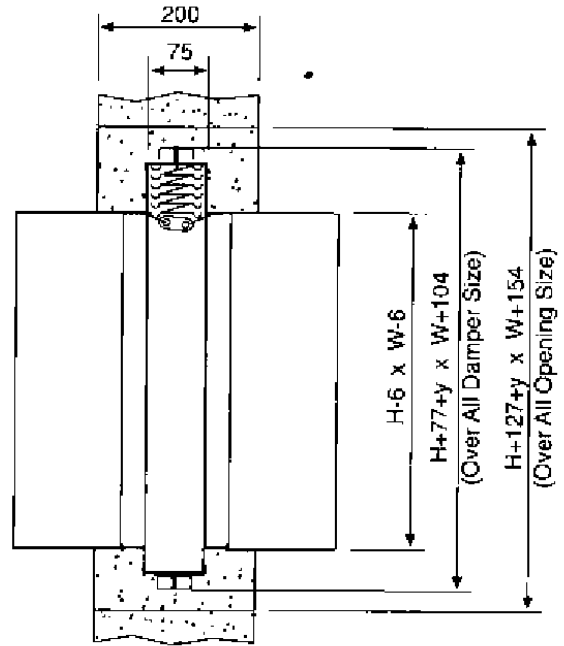
Installation - type C with Sleeve and Peripheral



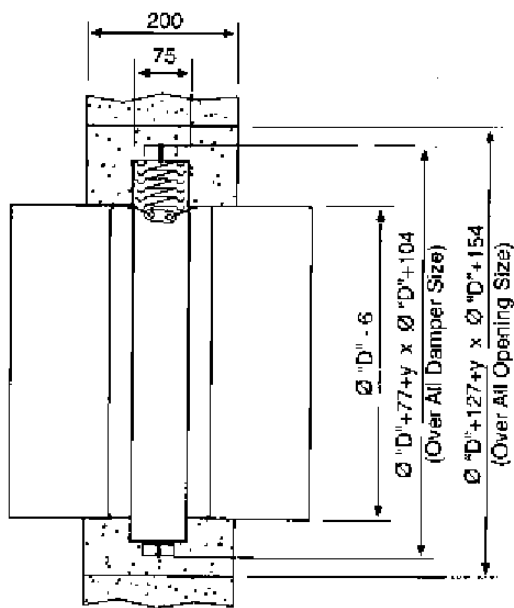
Installation - type C with HEVAC frame



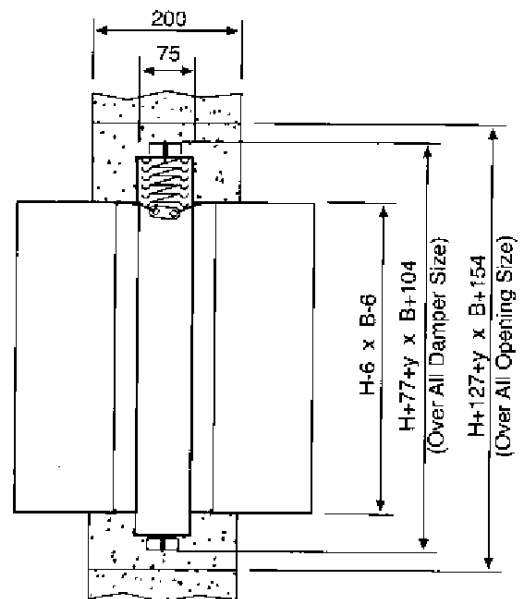
Damper with rectangular spigot



Damper with round spigot



Damper with oval spigot



PYROGARDE FD500 Series

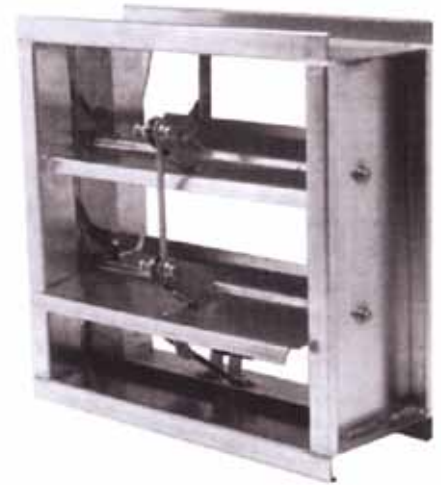
BLADE TYPE FIRE DAMPER
SUITABLE FOR FIRE RESISTANCE
RATING 2 HOURS

Galvanized steel sheet construction in accordance with BS 476 parts 8 & 20. In accordance.

Description

Blade type fire damper FD 560 facilitate isolating compartments of Fire in Ventilation systems. These dampers block the spread of fire through ducts, walls, corridors or floors. The FD 560 series of blade type fire dampers are suitable for installation in partition walls and ceilings made from concrete, brickwork, gypsum having fire resistance rating of 2 hours.

Dampers are fitted with standard release 72° C fusible links unless otherwise specified. Dampers are suitable for both Static as well as Dynamic systems.



MODEL: FD560 A (Flange type)

Standard Construction

Frame

- Frame is made from GI steel sheet 180mm x 30mm x 1.2mm thick (18G), zinc coating Z-22 to Z-27.
- Frame is a welded construction at corners and protected by antirust zinc rich primer coating.
- Frame is 'Flange' shape as standard.

Blades

- High quality, formed "3V" single skin GI steel sheet blades, 1.2mm thick.
- Blades of higher thickness up to 1.5mm can be provided on request.
- Maximum height of blades is 250mm and blades shall be parallel or opposed operation.

Fusible Links

- Standard fusible link fuses at 72°C (165°F)
- Other rated temperatures (212° F) can also be provided on request.

Bushes

- Brass bushes are standard. SS bearings can be provided on request

Linkages

- Linkages shall be internal only.

Springs

- Coil tension closure springs formed from Stainless Steel mounted internally with holding device

Finish

- Galvanized mill finish.

Size

- Minimum size - 200mm x 200mm
- Maximum size - 1000mm x 1000mm as single section.
- Larger sizes can be supplied as Multiple sections.
- Each section operates independent.

Optional

- Sleeves: GI sleeves of suitable thickness as per NFPA table 3-4.6.3 can be mounted.
- Retaining Angles: Minimum 30 x 30 x 2mm.
- Dampers upto 250mm high are single blade construction.

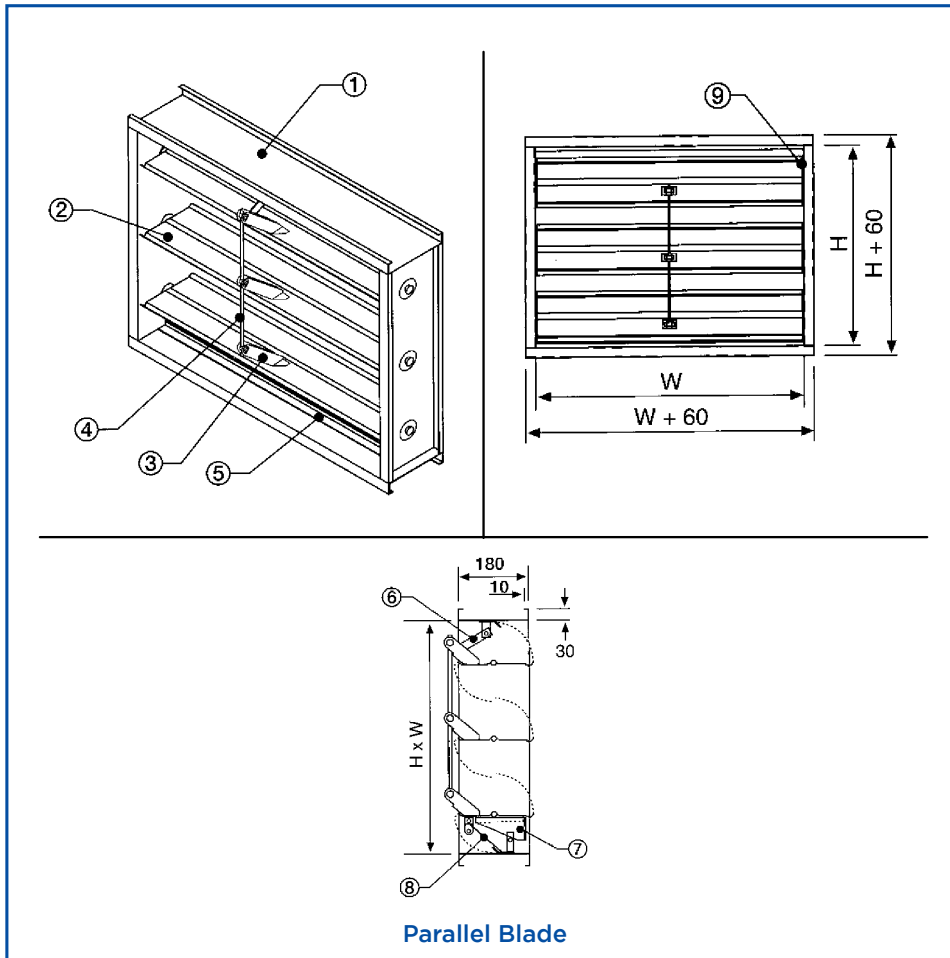
Also available

Model FD561A: Construction same as above. Only the blades are manufactured from SS Grade 304.

Model FD562A: Construction same as above, both casing and blades are SS Grade 304.

See overleaf for product sketches.

DIMENSIONS (mm)



AVAILABLE SIZES (mm)

W (in mm)	H (in mm)	Number of Blades
100	200	1
150	250	1
200	300	2
250	350	2
300	400	2
350	450	2
400	500	3
450	600	3
500	700	4
550	800	4
600	900	5
650	1000	6
700		
750		
800		
850		
900		
950		
1000		

For other sizes, please contact Geo Global Sales Team.

Galvanized steel sheet construction in accordance with BS 476 parts 8 & 20. In accordance with UL555.

Description

Blade type fire damper FD 560 facilitate isolating compartments of Fire in Ventilation systems. These dampers block the spread of fire through ducts, walls, corridors or floors. The FD 560 series of blade type fire dampers are suitable for installation in partition walls and ceilings made from concrete, brickwork, gypsum having fire resistance rating of 2 hours.

Dampers are fitted with standard release 72° C fusible links (UL Listed) unless otherwise specified. Dampers are suitable for both Static as well as Dynamic systems.



MODEL: FD560 B (Sleeve type)

Standard Construction

Frame

- Frame is made from GI steel sheet 1.2mm thick (18G), zinc coating Z-22 to Z-27.
- Frame is a welded construction at corners and protected by antirust zinc rich primer coating.
- Frame is 'hat' shape or 'sleeve type'.

Blades

- High quality, formed "3V" single skin GI steel sheet blades, 1.2mm thick.
- Blades of higher thickness up to 1.5mm can be provided on request.
- Maximum height of blades is 250mm and blades shall be parallel or opposed operation.

Fusible Links

- Standard fusible link fuses at 72° C (165° F) UL Listed.
- Other rated temperatures (212° F) can also be provided on request.

Bushes

- Brass bushes are standard. SS bearings can be provided on request

Linkages

- Linkages shall be internal only.

Springs

- Coil tension closure springs formed from Stainless Steel mounted internally with holding device

Finish

- Galvanized mill finish.

Size

- Minimum size - 200mm x 200mm
- Maximum size - 1000mm x 1000mm as single section.
- Larger sizes can be supplied as Multiple sections.
- Each section operates independent.

Optional

- Sleeves: GI sleeves of suitable thickness as per NFPA table 3-4.6.3 can be mounted.
- Retaining Angles: Minimum 30 x 30 x 2mm.
- Dampers upto 250mm high are single blade construction.

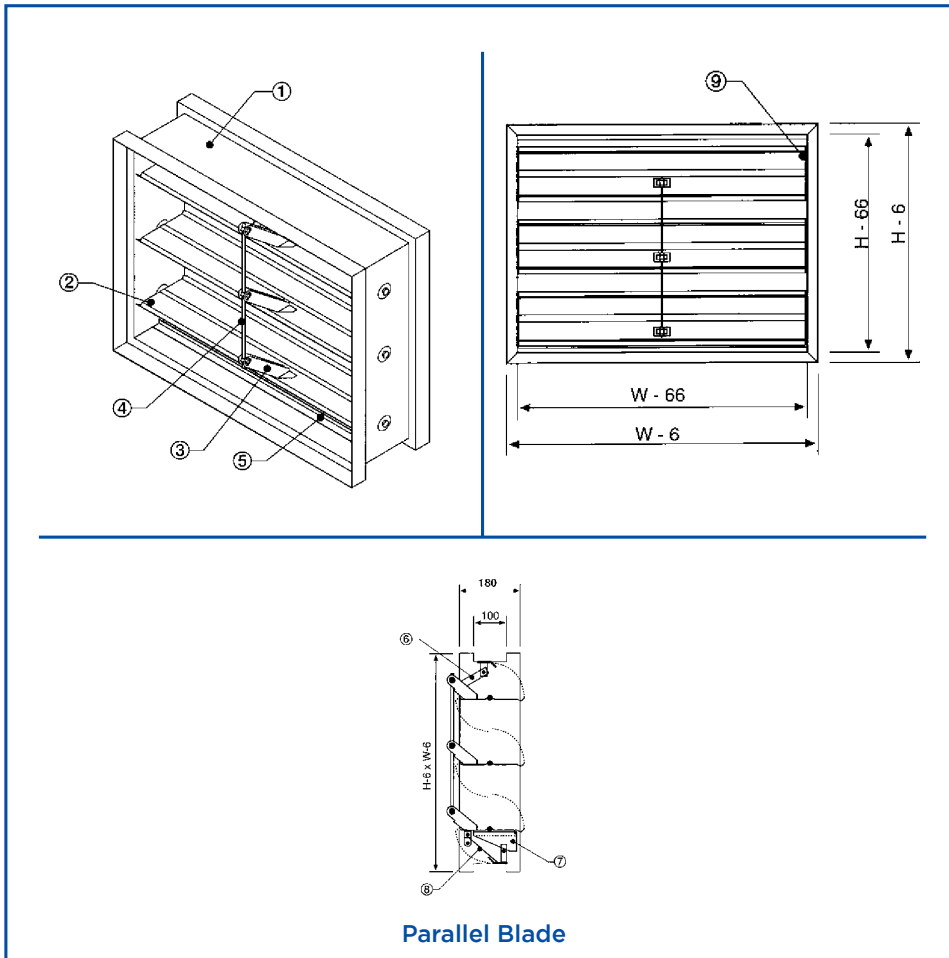
Also available

Model FD561B: Construction same as above. Only the blades are manufactured from SS Grade 304.

Model FD562B: Construction same as above, both casing and blades are SS Grade 304.

See overleaf for product sketches.

DIMENSIONS (mm)



AVAILABLE SIZES (mm)

W (in mm)	H (in mm)	Number of Blades
100	200	1
150	250	1
200	300	2
250	350	2
300	400	2
350	450	2
400	500	3
450	600	3
500	700	4
550	800	4
600	900	5
650	1000	6
700		
750		
800		
850		
900		
950		
1000		

For other sizes, please contact Geo Global Sales Team.

Galvanized steel sheet construction in accordance with BS 476 parts 8 & 20. In accordance with UL555.

Description

Blade type fire damper FD 560 facilitate isolating compartments of Fire in Ventilation systems. These dampers block the spread of fire through ducts, walls, corridors or floors. The FD 560 series of blade type fire dampers are suitable for installation in partition walls and ceilings made from concrete, brickwork, gypsum having fire resistance rating of 2 hours.

Dampers are fitted with standard release 72° C fusible links (UL Listed) unless otherwise specified. Dampers are suitable for both Static as well as Dynamic systems.



MODEL: FD560 CH/CHR/COV (Spigot)

Standard Construction

Frame

- Frame is made from GI steel sheet 1.2mm thick (18G), zinc coating Z-22 to Z-27.
- Frame is a welded construction at corners and protected by antirust zinc rich primer coating.
- FD 670 is available for rectangular, square, circular, and flat oval spigots for duct fixings

Blades

- High quality, formed single skin GI steel sheet blades, 1.2mm thick.
- Blades of higher thickness up to 1.5mm can be provided on request.
- Maximum height of blades is 250mm and blades shall be parallel or opposed operation.

Fusible Links

- Standard fusible link fuses at 72° C (165° F) UL Listed.
- Other rated temperatures (212° F) can also be provided on request.

Also available

Model FD561C: Construction same as above. Only the blades are manufactured from SS Grade 304

Model FD562C: Construction same as above, both casing and blades are SS Grade 304.

See overleaf for product sketches.

Bushes

- Brass bushes are standard. SS bearings optional

Linkages

- Linkages shall be internal only.

Springs

- Coil tension closure springs formed from Stainless Steel mounted internally with holding device

Finish

- Galvanized mill finish.

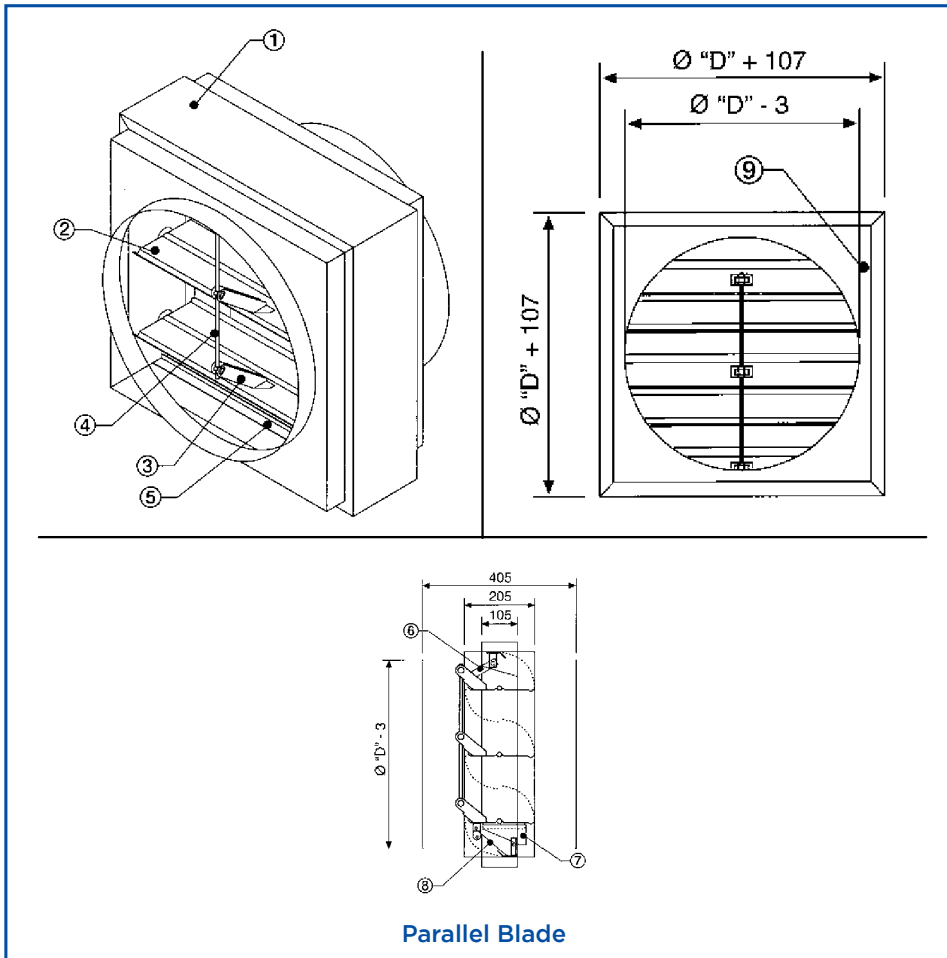
Size

- Minimum size - 200mm x 200mm
- Maximum size - 1000mm x 1000mm as single section.

Optional

- Retaining Angles: Minimum 30 x 30 x 2mm.
- Dampers upto 250mm high are single blade construction.

DIMENSIONS (mm)



SIZES (mm)

W (in mm)	H (in mm)	Number of Blades
100	200	1
150	250	1
200	300	2
250	350	2
300	400	2
350	450	2
400	500	3
450	600	3
500	700	4
550	800	4
600	900	5
650	1000	6
700		
750		
800		
850		
900		
950		
1000		

For other sizes, please contact Geo Global Sales Team.

Product Overview

In HVAC ductwork, Fire dampers need a periodic inspection and adjustment.

Access doors are designed to provide access to Fire dampers, Volume control dampers and Filters etc. in Ventilation systems. Duct Access doors allow easy and convenient access while providing a secure, positive seal when closed.

The AD 100 series models offer quality access doors with double skin construction in accordance to SMACNA requirements and quick simple installation. Access doors provide easy mounting and positive closure. All models are available in wide variety of sizes to suit any specific application.



MODEL: AD 100

Description & Specification of Access Doors

- Progressive action, zinc plated camlocks for positive closure
- 1" (25mm) thick Fibre glass insulation for reduced noise and heat transfer
- 2" thick insulation option is also available
- Synthetic gasket for positive seal
- Sizes and Models to suit most applications.
- Optional hinges and safety chains available

Blades

- Double walled 24 Gauge (0.7mm), galvanized steel sheet door panel for strength
- 1" (25mm) thick fibre glass wool insulation
- Notched knock-over tabs.
- Plated steel camlocks fasteners for closure
- Positive seal synthetic gasket
- Safety retaining chain on removable door
- Continuous piano type hinge in Model AD 100 H

Option

1-1/2" (40mm) thick fiberglass wool insulation
Or 2" (50mm) thick fiberglass wool insulation

Model: AD 100

- Access doors are designed to provide access to Fire dampers, Volume control dampers and Filters etc. in Ventilation systems.
- Access doors of 25mm thickness with double walled and mineral wool insulation.

Model: AD 100 H

- Continuous hinge on one edge.
- One Camlock on opposite edge centrally placed for sizes up to 350mm.
- Two Camlocks on opposite edge on larger sizes.

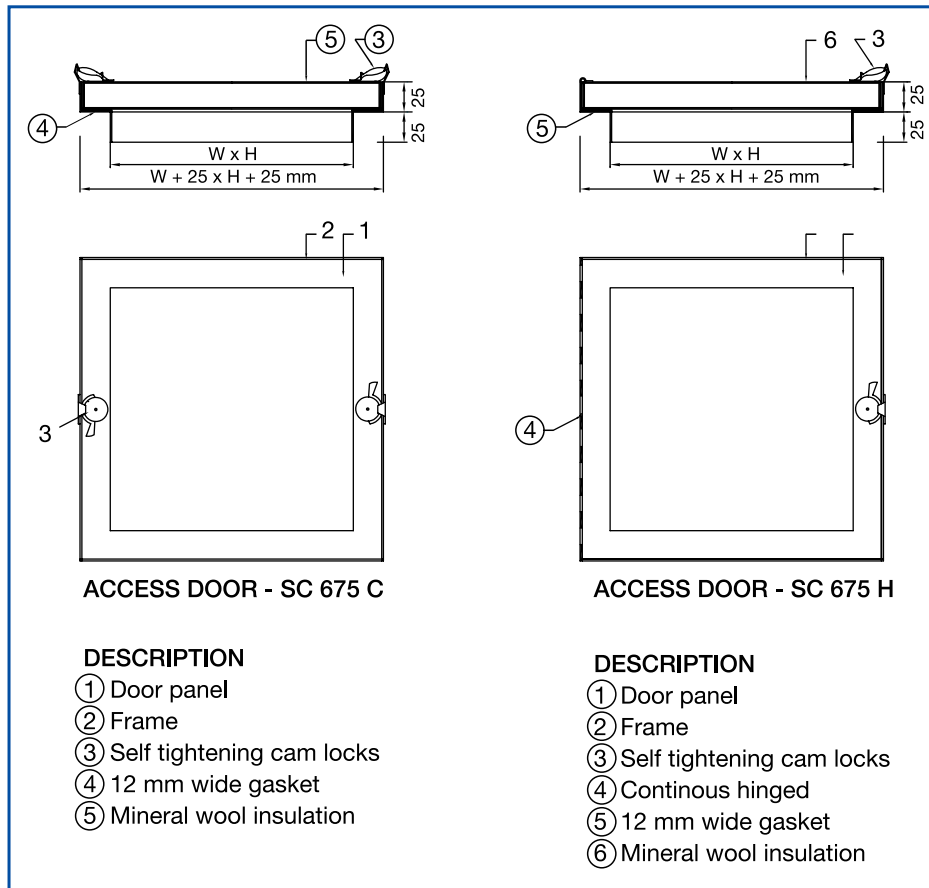
Model: AD 100 BH

- Butt hinged on one edge.
- One Camlock on opposite edge centrally placed for sizes up to 350mm.
- Two Camlocks on opposite edge on larger sizes.

Model: AD 100 C

- Self tightening camlocks
- Two per unit for sizes up to 350mm.
- Four per unit on larger sizes.

DIMENSIONS (mm)



AVAILABLE SIZES (MM)

W x H	Hole sizes*
200 x 150	200 x 150
200 x 200	200 x 200
300 x 300	300 x 300
600 x 600	600 x 600

*Holes in ductwork must be cut in accordance with sizes above.
Other sizes available on requests.*