



## UL 555 - Classified Motorized Fire Damper

## B-20/30 Series

**Type** : Motorized Fire Damper  
**Model** : MFD-GB/SB/GSB/SGB-20/30-A/R  
**Fire Rating** : 20 Series-1½ hour ; 30 Series-3 hour.  
**Blade Type** : 3V Single Skin; A : Parallel Operation  
**Construction** : Galvanized Steel (GI), Stainless Steel (SS)

MFD B-20/30 Series is a high performance UL 555 Classified fire damper with 1½hr. / 3hr. fire rating, installed vertically or horizontally (with blades running horizontally) and is rated for airflow and leakage in either direction.

### UL-555 Test Ratings

Fire Rating : 1½ hrs. / 3 hrs  
 Max Velocity : 2000 fpm  
 Max Operating Pressure : 4 in. w.g (1000 pa)

### Standard Construction

#### Frame

16 gauge (1.4 mm - 1.7 mm) thick galvanized steel.

#### Blades

Parallel operated 3 'V' type blade made of 16 gauge (1.4 mm - 1.7 mm) thick galvanized steel.

#### Jamb Seals

Stainless steel.

#### Jack Shaft

½" x ½" (12 mm) Galvanized steel square shaft.

#### Thermal Response Device (TRD)

165°F.

#### Actuator

Honeywell (24V AC, 120V AC, 230V AC).

#### Sleeve

Minimum 0.9 mm, single section is field or factory installed.

Multiple section is factory installed.

Sleeve thickness as per NFPA table 3-4.6.3.

#### Bushes

Fire resistant bronze bush.

#### Limit Switches

For BMS open / close indication.

### Optional Fittings

#### Retaining Angles

1½" x 1½" x 16 gauge (40 x 40 x 1.5 mm).

#### Blade Seals

Silicon rubber blade seals.

#### Indicator

Externally mounted open / close visible indicator.

#### Push Button

Manual reset for damper.

#### Transitions (R)

Neck adapter for round duct connections.

#### Junction Box



Model : MFD-GB/SB/GSB/SGB-20/30-A/R UL 555 Damper meets the required standards of SMACNA, NFPA, IBC, BOCA, ICBO, UL.

MFD-B-20 Series - Models				
Model	Material		Damper Operation	
	Frame	Blade	Standard	Optional
MFD-GB-20-A/R	GI	GI	FC	FO
MFD-GSB-20-A/R	GI	SS	FC	FO
MFD-SGB-20-A/R	SS	GI	FC	FO
MFD-SB-20-A/R	SS	SS	FC	FO

MFD-B-30 Series - Models				
Model	Material		Damper Operation	
	Frame	Blade	Standard	Optional
MFD-GB-30-A/R	GI	GI	FC	FO
MFD-GSB-30-A/R	GI	SS	FC	FO
MFD-SGB-30-A/R	SS	GI	FC	FO
MFD-SB-30-A/R	SS	SS	FC	FO

Actuator Location		Operating Voltage	
Standard	Optional	Standard	Optional
Left Side	Right side	230 V	120 V / 24 V

**Actuator location standard:** Left side from rear view (Jack shaft view)

Note :

FC : Fail Close in the event of Fire