



Fire Dampers

- UL, NFPA, IBC, MEA, CSFM
- Accommodate airflow in either direction
- Fire-resistance rating: 1 1/2 hr.
- Max. temp.: 165°F
- Curtain blade style (square & rectangular); single-blade (round)
- NFPA 80 requires retaining angles

Dynamic

- Steel spring-assist closing
- Velocity rating: 2,000 fpm
- Pressure rating: 4" wg

Static—For zero-pressure systems. Vertical-mount models close via gravity. Horizontal models have spring-assist closing.



Round

Square & Rectangular

Nom. Duct Dia.	Damper D	DYNAMIC VERTICAL/HORIZONTAL MOUNT	
		Item No.	\$ Each
4"	13 3/4"	2TFZ4	75.75
6"	13 3/4"	2TFZ5	77.55
8"	13 3/4"	2TFZ6	84.95
10"	13 3/4"	2TFZ7	89.60
12"	13 3/4"	2TFZ8	97.60
14"	13 3/4"	2TFZ9	129.85
Accessory			
165°F Fusible Link for Round		2TGJ3	6.27

Nom. Duct W	Nom. Duct H	DYNAMIC VERTICAL/HORIZONTAL MOUNT		STATIC VERTICAL MOUNT		STATIC HORIZONTAL MOUNT		RECOMMENDED RETAINING ANGLE	
		Item No.	\$ Each	Item No.	\$ Each	Item No.	\$ Each	Item No.	\$ Each
Square and Rectangular									
6"	6"	2TGE6	44.55	2TGA1	33.45	2TGC8	41.50	2TGG4	26.95
8"	8"	2TGE7	44.90	2TGA2	33.60	2TGC9	42.90	2TGG5	30.00
10"	6"	2TGE8	48.15	2TGA3	37.00	2TGD1	44.90	2TGG6	26.95
10"	10"	2TGE9	49.20	2TGA4	38.05	2TGD2	47.00	2TGG7	33.00
12"	6"	2TGF1	50.40	2TGA5	52.25	2TGD3	48.05	2TGG8	26.95
12"	8"	2TGF2	50.90	2TGA6	39.10	2TGD4	48.45	2TGG9	30.00
12"	10"	2TGF3	51.85	2TGA7	40.00	2TGD5	48.45	2TGH1	29.90
12"	12"	2TGF4	55.05	2TGA8	44.90	2TGD6	54.25	2TGH2	35.85
14"	12"	2TGF5	62.25	2TGA9	51.50	2TGD7	58.05	2TGH3	44.70
14"	14"	2TGF6	69.00	2TGC1	58.85	2TGD8	65.80	2TGH4	50.70
16"	8"	2TGF7	56.40	2TGC2	44.60	2TGD9	52.55	2TGH5	35.85
16"	12"	2TGF8	65.45	2TGC3	47.05	2TGE1	61.10	2TGH6	44.70
16"	16"	2TGF9	72.65	2TGC4	58.90	2TGE2	69.15	2TGH7	50.70
18"	18"	2TGG1	84.55	2TGC5	63.10	2TGE3	80.45	2TGH8	59.60
24"	12"	2TGG2	79.65	2TGC6	53.00	2TGE4	76.00	2TGH9	50.70
24"	24"	2TGG3	105.85	2TGC7	66.70	2TGE5	100.75	2TGI1	70.50
Accessory									
165°F Fusible Link for Square or Rectangular Dampers									
2TGJ2									
6.27									

165°F Fusible Link for Square or Rectangular Dampers

* Retaining plate included for installation

Motorized Smoke & Fire/Smoke Dampers

- UL, NFPA, IBC, MEA, CSFM
- Accommodate airflow in either direction
- Smoke leakage rating: Class II
- 3V blade (square); single-blade (round)
- Velocity rating: 2000 fpm (square); 3000 fpm (round)

Smoke—Factory-installed actuator forces damper blades to close in emergency smoke control situations.

Fire/Smoke—Designed for closure in emergency fire and smoke situations. Factory-installed actuators are prewired to a single junction box.

- Fire-resistance rating: 1 1/2 hr.



Round



Smoke, Square



Fire/Smoke, Square

Nom. Duct Dia.	Nom. Duct D	24VAC		120VAC		RECOMMENDED RETAINING ANGLE	
		Item No.	\$ Each	Item No.	\$ Each	Item No.	\$ Each
Smoke, Round							
6"	8 1/4"	3HG2	✓ 488.50	3HG7	✓ 498.25		
8"	8 1/4"	3HG3	✓ 514.50	3HG8	✓ 504.50		
10"	8 1/4"	3HG4	✓ 525.50	3HG9	✓ 525.50		
12"	8 1/4"	3HG5	✓ 548.50	3HG1	✓ 560.00		
14"	8 1/4"	3HG6	✓ 577.50	3HG2	✓ 577.50		
Fire/Smoke, Round*							
6"	15 5/8"	3HG6	✓ 529.50	3HL4	✓ 529.50		
8"	15 5/8"	3HG7	✓ 530.50	3HL5	✓ 541.00		
10"	15 5/8"	3HG8	✓ 557.50	3HL6	✓ 547.00		
12"	15 5/8"	3HG9	✓ 565.00	3HL7	✓ 565.00		
14"	15 5/8"	3HL1	✓ 591.50	3HL8	✓ 591.50		
16"	15 5/8"	3HL2	✓ 605.00	3HL9	✓ 605.00		
18"	15 5/8"	3HL3	✓ 639.50	3GN1	✓ 639.50		
Nom. Duct W	Nom. Duct H	24VAC		120VAC		RECOMMENDED RETAINING ANGLE	
		Item No.	\$ Each	Item No.	\$ Each	Item No.	\$ Each
Smoke, Square							
8"	8"	3HGG1	✓ 409.50	3HGG6	✓ 409.50	2TGG5	30.00
10"	10"	3HGG2	✓ 415.50	3HGG7	✓ 415.50	2TGG7	33.00
16"	16"	3HGG3	✓ 444.75	3HGG8	✓ 453.50	2TGH7	50.70
18"	18"	3HGG4	✓ 487.50	3HGG9	✓ 487.50	2TGH8	59.60
24"	24"	3HGG5	✓ 536.00	3HGH1	✓ 536.00	2TGI1	70.50
Fire/Smoke, Square							
8"	8"	3HGJ3	✓ 489.25	3HGJ9	✓ 489.25	2TGG5	30.00
10"	10"	3HGJ4	✓ 492.25	3HGK1	✓ 502.50	2TGG7	33.00
12"	12"	3HGJ5	✓ 548.50	3HGK2	✓ 548.50	2TGH2	35.85
16"	16"	3HGJ6	✓ 576.00	3HGK3	✓ 576.00	2TGH7	50.70
18"	18"	3HGJ7	✓ 617.00	3HGK4	✓ 617.00	2TGH8	59.60
24"	24"	3HGJ8	✓ 661.50	3HGK5	✓ 675.00	2TGI1	70.50

* Retaining plate included for installation



Insulated Access Doors

- 1" fiberglass insulation
- Rated up to 4" wg
- NFPA 80 requires access to fire dampers



Door H	Door W	Rough Opening H	Rough Opening W	HINGED CAM LOCK		DOUBLE CAM LOCK	
				Item No.	\$ Each	Item No.	\$ Each
6"	6"	5 1/2"	5 1/2"	2TFX2	27.95	5EFT0	23.25
8"	8"	7 1/2"	7 1/2"	2TFX3	32.25	5EFT1	25.85
10"	10"	9 1/2"	9 1/2"	2TFX4	36.40	5EFT2	31.15
12"	12"	11 1/2"	11 1/2"	2TFX5	40.75	5EFT3	33.70
14"	14"	13 1/2"	13 1/2"	2TFX6	49.35	5EFT4	39.80



Balancing Dampers

- Galvanized Steel
- Velocity rating: 2000 fpm
- Pressure rating: 1.0" wg
- Max. temp.: 180°F



Remote, Round



Manual, Square

Manual—Designed to regulate airflow, but not intended for use where positive shut-off or automatic control is needed. Features manual hand quadrant that can be locked in place.

Remote—Offer the same function as manual balancing dampers with the additional ability to control damper remotely with No. 48C165 at wall plate or diffuser. Includes factory-mounted 9V actuator. Optional accessories sold separately.

Duct W (in.)	Duct H (in.)	Item No.	\$ Each	Duct Dia. (in.)	Item No.	\$ Each	Description	
							Item No.	\$ Each
Manual, Square & Rectangular								
6	6	22CV77	30.85	6	21FX7	44.25	Quick Control Remote Kit	48C165 ✓ 279.50
8	8	22CV78	38.85	8	21FX8	48.10	Actuator Kit	48C164 ✓ 58.85
12	12	22CV79	38.00	10	21FX9	53.40	Cable Assembly, 14 ft., Nonplenum-Rated	48C168 11.93
10	10	22CV80	37.05	12	21FY1	59.00	Cable Assembly, 14 ft., Plenum-Rated	48C170 ✓ 50.30
12	6	22CV81	35.10	14	21FY2	72.45	Cable Assembly, 50 ft., Nonplenum-Rated	48C169 27.30
10	8	22CV82	35.10				Cable Assembly, 50 ft., Plenum-Rated	48C171 ✓ 106.55
12	8	22CV83	35.10	6	48C159	114.20	Cable Coupler Kit	48C163 11.08
8	6	22CV84	32.55	8	48C160	119.35	Wall/Ceiling Plate, Ivory	48C166 29.05
10	6	22CV85	33.85	10	48C161	125.30	Wall/Ceiling Plate, White	48C167 29.05
12	10	22CV86	38.35	12	48C162	129.55		



Round



Volume Control Dampers

Designed to regulate the volume of air moving through a duct system. Can be used as a positive shutoff or for automatic control. Install with blades in horizontal position. 24V and 120V actuators sold separately.



Square

Type	Galvanized Steel Frame	Extruded Aluminum Frame	Opposed Blades	Round, Single-Blade	TPR Seals	Silicone Seals	Velocity Rating (fpm)	Pressure Rating (in. wg)	Max. Temp. (°F)
Square 3V	X		X	X	X		2000-3000	2.5-6.0	100
Square Airfoil	X		X	X	X		2500-4000	3.0-8.0	100
Square Extruded		X	X				3000-6000	2.0-6.0	180
Round Single-Blade	X			X	X		3000	4	180

Duct Dia.	Item No.	\$ Each	3V BLADE		AIRFOIL BLADE		EXTRUDED BLADE	
			Duct W	Duct H	Item No.	\$ Each	Item No.	\$ Each
Round Single-Blade, Dayton								
6"	3HGN7	✓ 355.75	10"	10"	2LRV6	✓ 90.75	3HGN2	✓ 167.00
8"	3HGN8	✓ 362.00	12"	12"	2LRV7	✓ 92.55	3HGN3	✓ 168.50
10"	3HGN9	✓ 365.25	16"	16"	2LRV8	✓ 108.60	3HGN4	✓ 208.75
12"	3HGP1	✓ 372.50	18"	18"	2LRV9	✓ 136.75	3HGN5	✓ 240.00
14"	3HGP2	✓ 430.50	24"	24"	2LRZ1	✓ 161.50	3HGN6	✓ 292.25
Square, Dayton								
8"	3HGP3	✓ 362.00	10"	10"	2LRV6	✓ 90.75	3HGP3	✓ 288.50
10"	3HGN9	✓ 365.25	12"	12"	2LRV7	✓ 92.55	3HGP4	✓ 288.50
12"	3HGP1	✓ 372.50	16"	16"	2LRV8	✓ 108.60	3HGP5	✓ 369.75
14"	3HGP2	✓ 430.50	18"	18"	2LRV9	✓ 136.75	3HGP6	✓ 410.75
			24"	24"	2LRZ1	✓ 161.50	3HGP7	✓ 516.00

Voltage	Actuators (Power Open/Spring Close), GAV	W (in.)	H (in.)	D (in.)	Item No.	\$ Each
		3 3/8"	6 3/4"	2 1/4"	2LRZ2	✓ 174.50
		3 3/8"	6 3/4"	2 1/4"	2LRZ3	✓ 168.25

* AMCA certified. All dampers shown herein meet AMCA air performance ratings, but AMCA selects, tests, and certifies only the 12" x 12" and 24" x 24" sizes in an effort to equalize costs for small and large manufacturers.