

## Application

The MX-30, MX-32 and MX-40 mixing dampers employ triple-V blades and a rugged channel frame for automatic air control and manual balancing in low to medium dual or multi-duct applications.

## Standard Construction

**Frame:** 8" x 3/4" x 16" ga. (203 x 19 x 1.5) galvanized steel channel.

**Blades:** 6" x 16 gauge (152 x 1.5) galvanized steel — triple-V.

**Axles:** 1/2" (13) diameter plated steel hex.

**Linkage:** Concealed in frame.

**Bearings:** Synthetic

**Seals:** PVC blade edge seals and flexible metal jamb seals.

**Control Shaft:** 1/2" x 5" (13 x 127) round drive axle with shaft support bracket.

**Minimum Size:** Model MX-30 and MX-32: 6" x 4" (152 x 102)  
Model MX-40: 5" x 6" (127 x 152)

**Maximum Size:** Single section:  
Model MX-30 and MX-32: 36" x 24" (914 x 610)  
Model MX-40: 24" x 36" (610 x 914)  
Multiple sections: Model MX-40 only: Unlimited

## Options

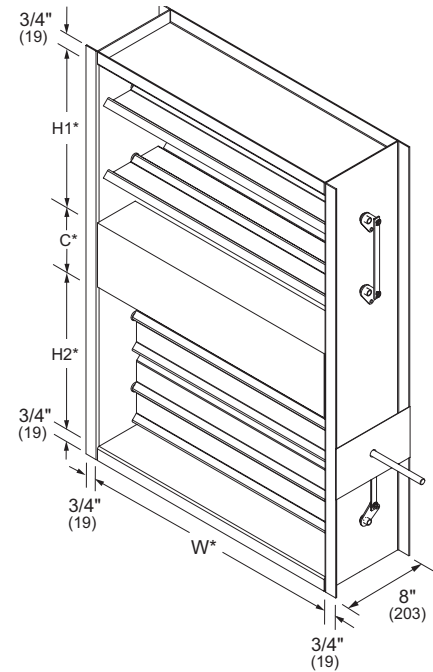
- Factory installed external mount actuator:
  - Manual locking quadrant (supplied loose)
  - 24 VAC  120 VAC  230 VAC
  - Pneumatic  Modulating
- Actuator/Quadrant standoff bracket - accommodates up to 3" (76) thick insulated duct
- Stainless steel oilite sleeve-type bearings.
- Type-304 stainless steel construction.

## Ratings

Damper Width	Maximum System Pressure	Maximum System Velocity
12" (305)	5.0 in. wg (1.2 kPa)	3000 fpm (15.2 m/s)
24" (610)	4.0 in. wg (1.0 kPa)	3000 fpm (15.2 m/s)
36" (914)	3.0 in. wg (0.8 kPa)	2500 fpm (12.7 m/s)
48" (1219)	2.5 in. wg (0.6 kPa)	2000 fpm (10.2 m/s)

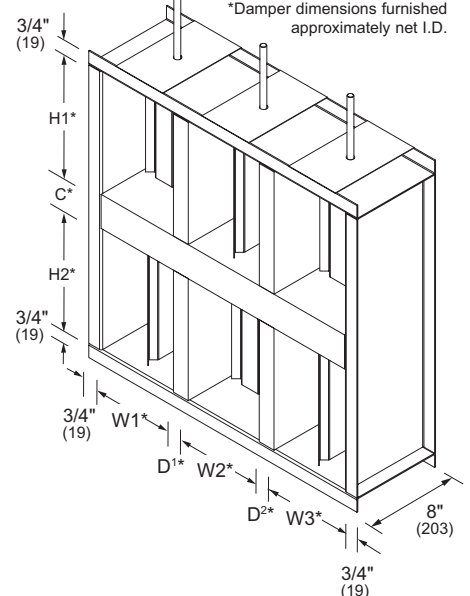
**Leakage:** 8.0 cfm/ft<sup>2</sup> @ 4 in. wg (0.04m<sup>3</sup>/s/ m<sup>2</sup> @ 1.00 kPa)  
4.0 cfm/ft<sup>2</sup> @ 1 in. wg (0.02m<sup>3</sup>/s/ m<sup>2</sup> @ 0.25 kPa)

**Temperature:** -25°F to 180°F (-32°C to +83°C)



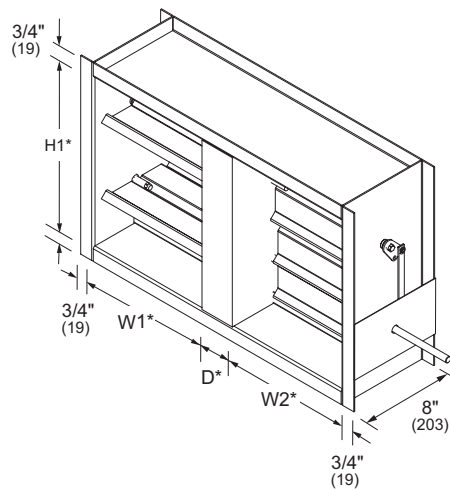
**Model MX-30**

\*Damper dimensions furnished approximately net I.D.



**Model MX-40**

\*Damper dimensions furnished approximately net I.D.



**Model MX-32**

\*Damper dimensions furnished approximately net I.D.